

Executive Summary

Blueprint for Academic Excellence School of Medicine - Greenville AY2018-2019

Introduction

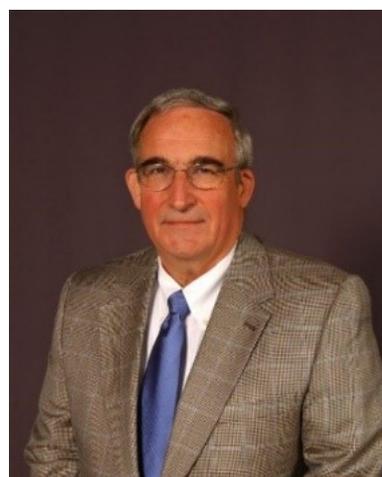
The University of South Carolina School of Medicine Greenville (USCSOM Greenville) offers a separately accredited, four-year undergraduate medical education program designed to produce a distinctive Doctor of Medicine (MD) degreed founded on the needs of the changing health delivery setting. Located on the Greenville Memorial Medical Campus of Greenville Health System (GHS), students are immersed in the healthcare delivery system from their first week and learn using the latest clinical, information and simulation technology to develop leadership, clinical and interpersonal skills essential to delivering the next generation of patient-focused health care with confidence and compassion.

Highlights

USCSOM Greenville achieved LCME full accreditation in February 2016 and graduated its inaugural class in May 2016. National standardized STEP examination 1st-time pass rates continue at or above the national average(96% STEP 1 and 98% STEP 2) and NRMP match results are strong for two consecutive classes with an average 99% placement of graduates. Applicant numbers continue to rise with 3,772 applications for the 100 spots in the class to enter July 2018.

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Jerry R. Youkey, MD



Blueprint for Academic Excellence

School of Medicine - Greenville

AY2018-2019

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Foundation for Academic Excellence

Mission Statement

Improve the health of the people and diverse communities we serve by educating health professionals who will care compassionately, teach innovatively, and improve constantly

Updated: 01/02/2012

Vision Statement

Transformation health care for the benefit of the people and communities we serve.

Updated: 01/02/2012

Values

- 1.USCSOM Greenville will be responsive to the changing health care needs of our society.
- 2.USCSOM Greenville will strive to consider the needs of the students, faculty, and administration in a manner which enhances the stature of both USC and GHS.
- 3.USCSOM Greenville understands that health care delivery is constantly evolving and that its physician graduates should facilitate and advocate transformation that improves care provision.
- 4.USCSOM Greenville will be integrated with all aspects of the GHS delivery system.
- 5.USCSOM Greenville will graduate physicians who understand and participate in research that compares the relative clinical effectiveness and outcomes of various treatments.
- 6.USCSOM Greenville supports development of a health care workforce that reflects future societal needs and the diversity of the communities served.
- 7.USCSOM Greenville will educate physicians to be champions for patient safety, standardization, evidenced based care, and quality; responsible to the medical needs of their community; sensitive to the societal cost of medicine; activists for the education of the future health care workforce; and practitioners that care for all patients regardless of race, social stature, or ability to pay.

Updated: 01/02/2012

Goals - Looking Back

Goals for the School of Medicine - Greenville for the previous Academic Year.

Goal 1 - LCME Accreditation

Goal Statement	Achieve LCME Full accreditation
Linkage to University Goal	•Ensuring Institutional Strength, Longevity, and Excellence
Alignment with Mission, Vision, and Values	USCSOMG will educate physicians to be champions for patient safety, standardization, evidenced based care, and quality. The LCME accreditation and re-accreditation process requires USCSOMG to demonstrate, maintain and continuously improve against competencies and established standards.
Status	Progressing as expected (multi-year goal)
Action Plan	Full Accreditation was achieved February 23, 2016
Achievements	Full Accreditation was achieved February 23, 2016
Resources Utilized	Collective team effort across leadership team
Goal Continuation	
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goal 2 - Faculty Development

Goal Statement	Complete Biomedical Sciences Department infrastructure and hire two to four additional faculty
Linkage to University Goal	•Assembling a World-Class Faculty of Scholars, Teachers, and Practitioners
Alignment with Mission, Vision, and Values	USCSOMG faculty selection, development, and promotion processes will favor those committed to their profession as a calling; who view their teaching ability as a gift and privilege
Status	Progressing as expected (multi-year goal)
Action Plan	Filled 3 new faculty appointments in Biochemistry and Pharmacology. Progressing as expected (multi-year goal)
Achievements	Filled 3 new faculty appointments in Biochemistry and Pharmacology USCSOMG faculty member Mohammed Khalil, PhD, has been selected to receive one of 6 USC 2017 Garnet Apple Awards for Teaching Innovation
Resources Utilized	Talent acquisition and team input during candidate interviews and selection
Goal Continuation	
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goal 3 - Commendable NRMP Match Rate

Goal Statement	Achieve 90% NRMP match rate
Linkage to University Goal	•Educating the Thinkers and Leaders of Tomorrow
Alignment with Mission, Vision, and Values	USCSCOMG graduates will be fully prepared and highly competitive to enter graduate medical education
Status	Progressing as expected (multi-year goal)
Action Plan	USCSOMG continues to strive for a higher than the national average NRMP match rate. The inaugural class matriculated in July 2012 and graduated on May 6, 2016. The 49 students achieved 100% residency placement. The 50 students in the class of 2017 achieved 98% residency placement.
Achievements	
Resources Utilized	
Goal Continuation	
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goal 4 - Biomedical Sciences Infrastructure

Goal Statement	Complete Biomedical Sciences Department infrastructure; recruit permanent Chair; complete faculty recruitment; and establish P&T unit criteria and non-tenure track criteria
Linkage to University Goal	•Assembling a World-Class Faculty of Scholars, Teachers, and Practitioners
Alignment with Mission, Vision, and Values	USCSOMG faculty selection, development, and promotion processes will favor those committed to their profession as a calling; who view their teaching ability as a gift and privilege
Status	Progressing as expected (multi-year goal)
Action Plan	A search for a permanent Chair of Biomedical Sciences was conducted in late 2014 and filled by February 2015. Promotion and tenure unit criteria for biomedical and clinical sciences were developed with significant input from USCSOMG faculty. The criteria were approved by the office of the Provost and the UCTP in 2014. Non-track unit criteria for biomedical sciences, clinical and research faculty were also developed and approved in 2015.
Achievements	
Resources Utilized	
Goal Continuation	
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goal 5 - Biomedical Sciences Research programs

Goal Statement	Initiate Biomedical Sciences (BMS) faculty research programs of their selection and establish collaborative relationships
Linkage to University Goal	•Assembling a World-Class Faculty of Scholars, Teachers, and Practitioners
Alignment with Mission, Vision, and Values	USCSOMG faculty selection, development, and promotion processes will favor those committed to their profession as a calling; who view their teaching ability as a gift and privilege. USCSOMG will graduate physicians who understand and participate in research
Status	Progressing as expected (multi-year goal)
Action Plan	All BMS faculty have been tasked by the chair to initiate relationships with clinical colleagues and to directly observe patient care activities as appropriate for the purpose of developing an understanding of the patient care and clinical delivery opportunities and interests of our partner institution, GHS. All BMS faculty participated in the Student Scholarship Mentor's Day, which provided an opportunity for them to meet faculty within our institutional environment who already engage actively and productively in research and scholarship. This engagement has allowed the faculty to begin linking collaboratively and strategically to ongoing research projects consistent with the institutional mission and vision. Strong achievements to date have been delivered by Jennifer Trilk, PhD, Thomas Nathaniel, PhD, Matt Tucker, PhD, and Mohammed Khalil, PhD.
Achievements	A search for a permanent Chair of Biomedical Sciences was conducted in late 2014 and filled by February 2015. Promotion and tenure unit criteria for biomedical and clinical sciences were developed with significant input from USCSOMG faculty. The criteria were approved by the office of the Provost and the UCTP in 2014. Non-track unit criteria for biomedical sciences, clinical and research faculty were also developed and approved in 2015.
Resources Utilized	Strongly supported by the USCSOMG Office of Faculty Affairs and the USC Office of the Provost
Goal Continuation	
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goals - Real Time

Goals for the School of Medicine - Greenville that are in progress for AY2018-2019.

Goal 1 - Response to LCME accreditation site visit survey

Goal Statement	Address issues underlying the findings of the LCME full accreditation site visit survey team delineated in the LCME letter of February 23, 2016 and provide a satisfactory report to the LCME by December 1, 2016
Linkage to University Goal	<ul style="list-style-type: none"> •Assembling a World-Class Faculty of Scholars, Teachers, and Practitioners •Ensuring Institutional Strength, Longevity, and Excellence
Alignment with Mission, Vision, and Values	<p>USCSOMG will educate physicians to be champions for patient safety, standardization, evidenced based care, and quality.</p> <p>The LCME accreditation and re-accreditation process requires USCSOMG to demonstrate, maintain and continuously improve against competencies and established standards.</p>
Status	Completed successfully
Action Plan	Initial response provided to LCME on November 30, 2016. Received response back on February 24, 2017, requiring follow-up by August 15, 2017. The USCSOMG leadership team successfully addressed noted areas and resolved all unsatisfactory elements, leaving only four elements with findings of satisfactory with monitoring---all involving reporting of ongoing routine periodic survey results. CQI activities including the previous LCME concerns continue to be pursued and formally monitored.
Achievements	Initial response provided to LCME on November 30, 2016. Received response back on February 24, 2017, requiring follow-up by August 15, 2017
Resources Utilized	Collective response compiled by Dean's Administration. No additional resources needed.
Goal Continuation	The USCSOMG leadership team will address noted areas and provide a response back to the LCME on or before the required deadline. Where appropriate, tactical and measureable plans will be set and initiated, with monitoring incorporated in the already developed CQI process
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goal 2 - Administrative Leadership Acquisition and Development

Goal Statement	Recruit and assimilate highly qualified individuals for three senior administrative positions: Senior Associate Dean for Academic Affairs, Associate Dean for Student Affairs and Associate Dean for Institutional Culture and Inclusivity
Linkage to University Goal	<ul style="list-style-type: none"> •Assembling a World-Class Faculty of Scholars, Teachers, and Practitioners •Ensuring Institutional Strength, Longevity, and Excellence
Alignment with Mission, Vision, and Values	USCSOMG faculty selection, development, and promotion processes will favor those committed to their profession as a calling; who view their teaching ability as a gift and privilege
Status	Completed successfully
Action Plan	Both the Associate Dean for Student Affairs (Paul Catalana, MD) and Associate Dean for Institutional Culture and Inclusivity (Brenda Thames, Ed.D) have been filled within the past year. Senior Associate Dean for Academic Affairs, Angela Sharkey, MD, joined USCSOMG in July 2017 and April Buchanan, MD was promoted to Assistant Dean for Academic Affairs.
Achievements	Senior Associate Dean for Academic Affairs, Angela Sharkey, MD, will join USCSOMG in July 2017. Both the Associate Dean for Student Affairs (Paul Catalana, MD) and Associate Dean for Institutional Culture and Inclusivity (Brenda Thames, Ed.D) have been filled within the past year.
Resources Utilized	
Goal Continuation	Maintain strong employment retention practices
Goal Upcoming Plans	Both the Associate Dean for Student Affairs (Paul Catalana, MD) and Associate Dean for Institutional Culture and Inclusivity (Brenda Thames, Ed.D) have been filled within the past year. Senior Associate Dean for Academic Affairs, Angela Sharkey, MD, joined USCSOMG in July 2017 and April Buchanan, MD was promoted to Assistant Dean for Academic Affairs.
Resources Needed	
Goal Notes	

Goal 3 - Diversity and Inclusivity Student pipeline enrichment

Goal Statement	Initiate a pre-matriculation program to promote academic success for students with diverse backgrounds holding an offer to attend USCSOMG
Linkage to University Goal	•Building Inclusive and Inspiring Communities
Alignment with Mission, Vision, and Values	USCSOMG supports development of a health care workforce that reflects future societal needs and the diversity of the communities served
Status	Completed successfully
Action Plan	GHS and USCSOMG have established a multi-tiered pipeline program, the Medical Experience (MedEx) Academy, aimed at increasing the number and diversity of the health care workforce. Efforts will be focused on making the MedEx Academy a more strategic pipeline through areas such as: enhancing partnerships with historically black colleges and universities (HBCUs), assistance in preparing students for medical school through immersion into a medical school-lite curriculum inclusive of academic and clinical learning experiences, testing practice, and other portfolio building activities, and continued input and engagement from the SC Diversity Leaders Initiative Advisory Council. Development of a MedEx Tier V program to provide individualized mentoring to address a student's specific area(s) of weakness in order to improve competitiveness of their application. The HBCU has been piloted with Claflin University and a MedEx site is in planning for Orangeburg.
Achievements	The inaugural class matriculated in July 2012 and graduated on May 6, 2016. The 49 students achieved 100% residency placement. The 49 students in the class of 2017 achieved 100% residency placement.
Resources Utilized	Process strongly supported by Office of Student Affairs, Interim Associate Dean for Academic Affairs, and faculty mentors and advisors
Goal Continuation	GHS and USCSOMG have established a multi-tiered pipeline program, the Medical Experience (MedEx) Academy, aimed at increasing the number and diversity of the health care workforce. Efforts will be focused on making the MedEx Academy a more strategic pipeline through areas such as: enhancing partnerships with historically black colleges and universities (HBCUs), assistance in preparing students for medical school through immersion into a medical school-lite curriculum inclusive of academic and clinical learning experiences, testing practice, and other portfolio building activities, and continued input and engagement from the SC Diversity Leaders Initiative Advisory Council
Goal Upcoming Plans	Development of a MedEx Tier V program to provide individualized mentoring to address a student's specific area(s) of weakness in order to improve competitiveness of their application. The HBCU pilot has been initiated with Claflin University and there has been a MedEx site established in Orangeburg.
Resources Needed	USCSOMG faculty and selected medical students will serve as instructors/mentors alongside the Office of Admissions for portfolio development and guidance. Funding support for the MedEx Academy has been and will continue to be funded from GHS and their philanthropy

Goal Notes

Resources needed: USCSOMG faculty and selected medical students will serve as instructors/mentors alongside the Office of Admissions for portfolio development and guidance. Funding support for the MedEx Academy has been and will continue to be funded from GHS and their philanthropy

Goal 4 - Establishing Distinguished Tracks

Goal Statement	Establish a plan for USCSOMG to elect population health related distinguished graduation tracks and pilot at least one topic area
Linkage to University Goal	•Spurring Knowledge and Creation
Alignment with Mission, Vision, and Values	<p>USCSOMG will establish a learning environment that emphasizes the relationship between undergraduate medical education and the real world of patient care.</p> <p>USCSOMG understands that health care delivery is constantly evolving and that its physician graduates should facilitate and advocate transformation that improves care provision.</p>
Status	Completed successfully
Action Plan	Faculty-lead task forces formed to develop business plans for the two identified distinguished tracks of Lifestyle Medicine (with focus on Exercise is Medicine) and Hospital-Based Quality Assurance (with focus on addiction) were initiated in March 2018 with 5 students in each track. Meanwhile additional interest areas in Conscious Professionalism, Population Health and other community focused areas will be further vetted and developed.
Achievements	Faculty-lead task forces developed business plans for the two identified distinguished tracks of Lifestyle Medicine and Hospital-Based Quality Assurance, and selected their first cohort of 5 students in each track in March 2018. Meanwhile additional interest areas in Conscious Professionalism, Population Health and other community focused areas will be further vetted and developed. Two distinguished tracks were initiated March 2018 with topic areas being Exercise is Medicine and Opioid Addiction.
Resources Utilized	
Goal Continuation	
Goal Upcoming Plans	Philanthropy will also be engaged for potential gifting opportunities related to these tracks
Resources Needed	Philanthropy will also be engaged for potential gifting opportunities related to these tracks
Goal Notes	

Goals - Looking Ahead

Goals for the School of Medicine - Greenville that are slated for the upcoming year.

Goal 1 - \$50M Scholarship Endowment Mini Campaign

Goal Statement	Launch \$50 million USCSOMG Scholarship Endowment Mini-Campaign USCSOMG continues to commit to awarding 20% of total tuition dollars for student scholarships to remain competitive and continue attracting the best applicants. This, combined with several efforts to raise financial literacy, has helped USCSOMG maintain a low average debt for its students, ranked in the mid-50th percentile. Both USC Development office and GHS Institutional Advancement Office are engaged in philanthropic efforts to raise this level of scholarship opportunity and are the primary drivers behind the upcoming \$50M scholarship endowment campaign. USCSOMG remains committed and sensitive to limiting student debt.
Linkage to University Goal	•Ensuring Institutional Strength, Longevity, and Excellence
Alignment with Mission, Vision, and Values	USCSOMG strives to alleviate the cost of medical education as a significant barrier to student matriculation and graduation, or as a factor in the selection of a career specialty
Status	Progressing as expected (multi-year goal)
Action Plan	This campaign was launched in 2017 and remains in its quiet phase. The effort has been broken down into the following sub-segments: Supporters of each of five colleges (Bob Jones, Furman, Clemson, USC, Wofford); the business community; foundations; and individuals. To date we have commitments for approximately \$6M endowed and \$5M in estate gifts. We continue to aggressively pursue the campaign.
Achievements	Approximately \$11M of endowed funds have been committed to date, \$6M cash and \$5M in estate gifts. The quiet phase of the campaign is ongoing with focus areas being supporters of 5 colleges (Furman, Clemson, USC, Wofford, and Bob Jones); area businesses; private individuals; foundations; and very high value prospects
Resources Utilized	Support from USC and GHS Development offices, as well as senior leadership
Goal Continuation	USCSOMG continues to commit to awarding 20% of total tuition dollars for student scholarships to remain competitive and continue attracting the best applicants. This, combined with several efforts to raise financial literacy, has helped USCSOMG maintain a low average debt for its students, ranked in the mid-50th percentile. Both USC Development office and GHS Institutional Advancement Office are engaged in philanthropic efforts to raise this level of scholarship opportunity and are the primary drivers behind the upcoming \$50M scholarship endowment campaign. USCSOMG remains committed and sensitive to limiting student debt.
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goal 2 - UGME and GME Research Strategy Development

Goal Statement	Development of a strategic plan centered around the USCSOMG and GME research endeavors
Linkage to University Goal	•Spurring Knowledge and Creation
Alignment with Mission, Vision, and Values	USCSOMG will graduate physicians who understand and participate in research that compares the relative clinical effectiveness and outcomes of various treatments
Status	Progressing as expected (multi-year goal)
Action Plan	HSC and SOM Strategic planning in process, GHS Executive Director for Research appointed (Des Kelly, MD), and BMS Vice Chair for Research appointed (Rich Goodwin, PhD). Faculty and student research engagement has also noticeably increased. Efforts will continue to broaden research efforts, publication, presentations, and external grant funding.
Achievements	GHS HSC and USCSOMG strategic planning processes are underway. GHS Executive Director of Research (Des Kelly, MD) appointed and USCSOMG Vice Chair of Research (Rich Goodwin, PhD) pending appointment. Faculty engagement in research has noticeably increased. Success will be measured by publication, presentation, and grant submission/award activities.
Resources Utilized	Resources are adequate for the strategic planning process. Resources necessary for implementation of the strategic plan will be determined
Goal Continuation	
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goal 3 - Curriculum Committee Enhancement

Goal Statement	Restructure curriculum committee to increase faculty ownership and participation and reestablish alignment with standards set forth by LCME Element 8
Linkage to University Goal	•Educating the Thinkers and Leaders of Tomorrow
Alignment with Mission, Vision, and Values	USCSOMG will educate physicians to be champions for patient safety, standardization, evidenced based care, and quality; responsible to the medical needs of the community; sensitive to the societal costs of medicine; activist for the education of the future health care workforce; and practitioners that care for all patients regardless of race, social stature or ability to pay
Status	Progressing as expected (multi-year goal)
Action Plan	The curriculum committee was restructured under the leadership of April Buchanan, MD, USCSOM G Assistant Dean for Academics. The faculty now is clearly in charge of and feels ownership for the curriculum. Once the strategic planning process is complete, we will restructure to bring together under single leadership the M1-M4 support staff.
Achievements	April Buchanan, MD, new Assistant Dean for Academic Affairs, led engaged faculty in critical review of objectives and outcomes of curriculum through restructuring of committee composition, committee member qualification and implementation of changes to curricular design. Once strategic plan is complete, we will reorganize M1-M4 curriculum support staff under single leadership to support the initiatives and changes being recommended.
Resources Utilized	Support from Office of Faculty Affairs and Academic Affairs
Goal Continuation	USCSOMG will educate physicians to be champions for patient safety, standardization, evidenced based care, and quality; responsible to the medical needs of the community; sensitive to the societal costs of medicine; activist for the education of the future health care workforce; and practitioners that care for all patients regardless of race, social stature or ability to pay
Goal Upcoming Plans	
Resources Needed	
Goal Notes	

Goal 4 - Student Success Program

Goal Statement	Establish a plan for the development of a student success program
Linkage to University Goal	•Educating the Thinkers and Leaders of Tomorrow
Alignment with Mission, Vision, and Values	USCSOMG believes that candidates for medical school who value professionalism and possess exceptional interprofessional communication skills can be prepared, identified, and selected to become successful practicing physicians
Status	Progressing as expected (multi-year goal)
Action Plan	The Student Success Program has been organized around 5 different groupings of expertise: coaches, staff, academic experts, student affairs, and support roles.
Achievements	Resources for Student Success support were reorganized as below: Student Success Coaches Student Success Staff Student Success Experts Supporting Roles (EAP, Career Counselors, IPM Faculty Mentors) Student Affairs Efficacy will be monitored by student success and by student satisfaction portrayed on routine periodic student surveys
Resources Utilized	See above
Goal Continuation	USCSOMG believes that candidates for medical school who value professionalism and possess exceptional inter-professional communication skills can be prepared, identified, and selected to become successful practicing
Goal Upcoming Plans	
Resources Needed	
Goal Notes	Effectiveness will be determined by student academic performance and student satisfaction as portrayed by routine periodic student surveys.

Academic Programs

Program Rankings

Academic programs that were nationally ranked or received external recognition during the Academic Year.

EMT Program - All USCSOMG students initially undergo 6.5 weeks of Emergency Medical Technician (EMT) training to state certification. The EMT program and the community-wide EMT Ops Day event held in the fall are the first of its kind across US medical schools and has been recognized in local and industry specific press for its ingenuity in providing early clinical exposure and broad community awareness to newly matriculated students.

Lifestyle Medicine - Dr. Jennifer Trilk, USCSOMG Assistant Professor of Physiology and Exercise Science pioneers the Lifestyle Medicine program that distinguishes USCSOMG as the first school within the US to incorporate exercise physiology into all four years of the curriculum. Dr. Trilk has spoken at numerous international and national conferences on her field of expertise bringing significant attention to USCSOMG's program and the various events and interest groups formed around that area. Articles including "Exercise Is What the Doctor Ordered", published by CNN in November 2016 and "Doctor's Not Taught to Discuss Diet, Nutrition With Patients," published in the Chicago Tribune in August 2016 are a few of the noteworthy recognitions received.

CenteringPregnancy - In October 2016, Dr. Amy Crockett, a maternal-fetal medicine physician with Greenville Health System and Clinical Associate Professor with USCSOMG was named the winner of the prestigious John P. McNulty Prize for her leadership in reducing preterm births in SC by expanding access to CenteringPregnancy group prenatal care to address the state's high rate of preterm birth. The award gave international recognition for USCSOMG and GHS regarding the commendable efforts made by Dr. Crockett and the students engaged alongside her in researching methods to decrease preterm rates, minimize racial disparity in preterm births, expanding access to prenatal care and realizing significant healthcare savings from infant healthcare costs.

Bradshaw Institute for Community Child Health and Advocacy - The Bradshaw Institute was launched in June 2016 to improve the well-being of children through targeted research and interventions, advocacy, healthy child development and community pediatrics. This newly formed, GHS-led partnership engages USCSOMG and several other research partners across SC including Clemson University, Furman University, Duke Endowment, and several other SC foundations and trusts, providing a critical link between the academic teaching and research activities in pediatrics for the USCSOMG students and GHS clinicians with the children and families of the community in Greenville.

Instructional Modalities

Innovations and changes to Instructional Modalities in unit's programmatic and course offerings that were implemented during the Academic Year.

Ultrasound technology as a diagnostic tool is now considered a standard of care in most healthcare institutions. Training medical students in their preclinical years in diagnostic and procedural ultrasound will ensure that students are better prepared to perform patient care in today's healthcare environment and will provide the time to achieve competency in performing the common tests expected. The use of live technology with standardized patients or classmates when appropriate will further enhance the student's ability to achieve better diagnostic accuracy and learning. Ultrasound training during the first and second years will be integrated into the biomedical sciences such that both curriculums will coincide. This modality started in March 2017.

Program Launches

Academic Programs that were newly launched during the Academic Year; those that received required approvals but which had not yet enrolled students are not included.

Faculty-lead task forces developed business plans for the two identified distinguished tracks of Lifestyle Medicine and Hospital-Based Quality Assurance, and selected their first cohort of 5 students in each track in March 2018. Meanwhile additional interest areas in Conscious Professionalism, Population Health and other community focused areas will be further vetted and developed. Two distinguished tracks were initiated March 2018 with topic areas being Exercise is Medicine and Opioid Addiction.

Program Terminations

Academic Programs that were newly terminated or discontinued during the Academic Year.

None

Supplemental Info - Academic Programs

Any additional information on Academic Programs appears as Appendix 1. (bottom).

Academic Initiatives

Experiential Learning for Undergraduates

Initiatives, improvements, challenges, and progress with Experiential Learning at the Undergraduate level.

Not applicable.

Experiential Learning For Graduate & Professional Students

Initiatives, improvements, challenges, and progress with Experiential Learning at the Graduate or Professional level.

Emergency Medical Technician (EMT) training - all matriculating USCSOMG students undergo 6.5 weeks, 200+ hours of Emergency Medical Technician (EMT) training, starting on their first day of medical school in July. Students must participate in a community-wide EMT Ops day that involves local law enforcement, firefighters, EMT and other emergency personnel in all-day disaster simulation training as a capstone functional exercise. Upon state certification, the students are required to participate as a member of the EMT team at least one shift per month during their M1 and M2 years. This program provides students emergency life and limb saving abilities, introduces team-based, inter-professional, patient-centered care early in their training and emphasizes the importance of accurate and empathetic communication and transitions in care handoffs. The program launched in summer 2012.

Interprofessional education experiences for USCSOMG are diverse, given the co-location and full integration with the GHS clinical learning environment, taking advantage of GHS resources and health professionals available for collaborative education. Students are able to interact and be educated alongside PharmD, nurse anesthesia, public health, residents, nursing students, nurse practitioner and other health profession trainees from a number of universities in the GHS clinical learning environment. The recently established collaborative partnership between GHS and Clemson University will build a nursing school on the USCSOMG/GHS campus by Fall 2018, providing enhanced opportunity for our students to learn with nursing students through blended curriculum, simulation, and other programs. This is in addition to the already established interprofessional education experiences within the EMT program and the Integrated Practice of Medicine (IPM) program's biomedical science courses, OSCE's and pandemic week learnings.

USCSOMG incorporates problem-based learning (PBL) through the use of synergistic material delivered in concert with clinical scenarios to include a case of the week for context and relevance, and often provided through small group learning using physician and faculty teams. When practicable, a flipped classroom approach is used and didactic material is integrated with and augmented by simulation center activities involving mannequins and standardized patients. USCSOMG values student inquiry as an essential element to learning and therefore blends these PBL approaches with traditional lectures and pre-clinical studies. Feedback collected through the Annual Student Evaluation of the Program To Date surveys indicates that this blended teaching model is effective.

M3/M4 curriculum is, in accord with traditional medical school curriculum, almost entirely experiential in nature. A somewhat unique aspect of the USCSOMG experience is the terminal 5 weeks of the M4 year designed as an intensification experience to assure optimal student preparation for GME internships. The first 3 weeks is a general experience to assure that all students are prepared with the core Entrustable Professional Activities. The second two weeks assures specialty-specific knowledge and skills appropriate to the NRMP match specialty of each student.

Affordability

Assessment of affordability and efforts to address affordability.

Despite being classified as having the country's highest tuition for non-resident students, USCSOM schools encourage non-resident matriculates to establish residency during their M1 year so that only resident based education expenses are applied in the M2-M4 years of their medical school education. As such, USCSOMG monitors the total cost of attendance over the full four years of education and ranks favorably against MUSC and other surrounding state schools of medicine for total tuition.

USCSOMG continues to commit to awarding 20% of total tuition dollars for student scholarships to remain competitive and continue attracting the best applicants. This, combined with several efforts to raise financial literacy, has helped USCSOMG maintain a low average debt for its students, ranked in the mid-50th percentile. Both USC Development office and GHS Institutional Advancement Office are engaged in philanthropic efforts to raise this level of scholarship opportunity and are the primary drivers behind the recently initiated \$50M scholarship endowment campaign. To date, \$11M has been committed (\$6m in gifts and \$5m in estate gifts). USCSOMG remains committed and sensitive to limiting student debt.

Reputation Enhancement

Contributions and achievements that enhance the reputation of USC Columbia regionally and nationally.

The aforementioned programs around EMT, Lifestyle Medicine, Centering Pregnancy, and the Bradshaw Institute of Community Child Health and Advocacy provide recognition to not only USCSOMG but USC Columbia on both a regional and national level. Press regarding newly funded scholarships such as the recently awarded full scholarship from Aflac, national leader in voluntary insurance sales, also provides reputation enhancement alongside participation in nationwide partnerships such as USCSOMG's by invitation only membership in the Teaching Kitchen Collaborative (more information in later section).

USCSOMG student and faculty members engaged in research and clinical trial activities heighten the collective scholarly activity and research efforts of the SOM and USC Columbia through their institutional and faculty appointments. Students and faculty have opportunities to publish in a peer reviewed publication, GHS Proceedings that was initiated in Fall 2016, increasing accessibility and readership while also enhancing credibility and recognition for contributing USCSOMG authors and researchers. This past fall, two USCSOMG faculty members published in AAMC's Academic Medicine.

Challenges

Challenges and resource needs anticipated for the current and upcoming Academic Years, not noted elsewhere in this report and/or those which merit additional attention.

USCSOMG exists in a unique education and research environment defined by the GHS Health Science Center clinical university model, in which four non-incorporated partners (Greenville Health System, University of South Carolina, Clemson University, and Furman University) have come together to collaboratively pursue highly applied health profession education and health services research within the 8-campus Upstate footprint of Greenville Health System. This model is still in its infancy and success is dependent upon the willingness and ability of the partners to cooperate across traditionally competitive lines to facilitate and support collaborative education programs and research initiatives of multi-institutional faculty, staff, and administration. In the current resource constrained environments of higher education and health care, the potential is great if that can be achieved.

Securing philanthropy for the purpose of student scholarship continues to remain a top financial challenge for USCSOMG. USCSOMG commits a minimum 10% of tuition revenue annually to medical school scholarships and needs to offset 20% of tuition payments, a threshold established in order to attract the best candidates, minimize financial burden as a barrier to entry and reduce student indebtedness. Since USCSOMG receives no state dollars, the SOM must rely on tuition revenue, grant and research funds, and significant funding from philanthropy to provide a sustainable funding source for the school beyond the GHS operational commitment.

Because of this, USCSOMG is working closely with the USC Development office to launch a campaign this year to raise \$50 million toward an endowment to support scholarships for the medical students., thus providing the additional 10% equivalent of tuition dollars needed for scholarship.

The proposed 7% employer contribution to the state pension plan over the next six years will have a resounding impact on the salary and fringe expenditures covered by USCSOMG to support its state employed faculty and staff. While the current South Carolina state budget proposal includes \$118M to cover portions of the otherwise unfunded mandate consequent to the pension bill, it appears that the USCSOMG commitment not to receive state line-item appropriations may preclude USCSOMG from partial cost relief from the state's efforts. The proposal, if approved, will result in a blended fringe rate of between 36-37% for USCSOMG faculty and staff in the next six years, a number reaching a point of economic instability in the absence of state financial support.

Supplemental Info - Academic Initiatives

Any additional information on Academic Initiatives appears as Appendix 2. (bottom)

Faculty Population

Faculty Employment Summary

Table 1. Faculty Employment by Track and Title.

	Fall 2017	Fall 2016	Fall 2015
Tenure-track Faculty	6	6	7
Professor, with tenure	2	2	2
Associate Professor, with tenure	2	2	3
Assistant Professor	2	2	2
Librarian, with tenure	0	0	0
Research Faculty	1	2	2
Research Professor	1	1	1
Research Associate Professor	0	1	1
Research Assistant Professor	0	0	0
Clinical/instructional Faculty	15	12	12
Clinical Professor	4	4	4
Clinical Associate Professor	4	6	6
Clinical Assistant Professor	7	2	2
Instructor	0	0	0
Lecturer	0	0	0
Visiting	0	0	0
Adjunct Faculty	0	0	1

Faculty Diversity by Gender and Race/Ethnicity

Note: USC follows US Department of Education IPEDS/ National Center for Education Statistics guidance for collecting and reporting race and ethnicity. See https://nces.ed.gov/ipeds/Section/collecting_re

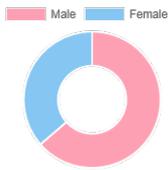
Table 2. Faculty Diversity by Gender and Race/Ethnicity, Fall 2016, Fall 2015, and Fall 2014.

	Fall 2017	Fall 2016	Fall 2015
Gender	22	20	21
Female	8	5	4
Male	14	15	17
Race/Ethnicity	22	20	21
American Indian/Alaska Native	0	0	0
Asian	0	0	0
Black or African American	3	4	4
Hispanic or Latino	3	2	2
Native Hawaiian or Other Pacific Islander	0	0	0
Nonresident Alien	0	0	0
Two or More Races	0	0	0
Unknown Race/Ethnicity	0	0	0
White	16	14	15

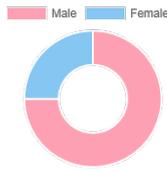
Illustrations 1 and 2 (below) portray this data visually.

Illustration 1. Faculty Diversity by Gender

2017 Faculty Gender



2016 Faculty Gender



2015 Faculty Gender

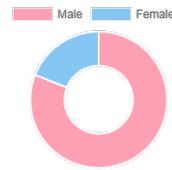
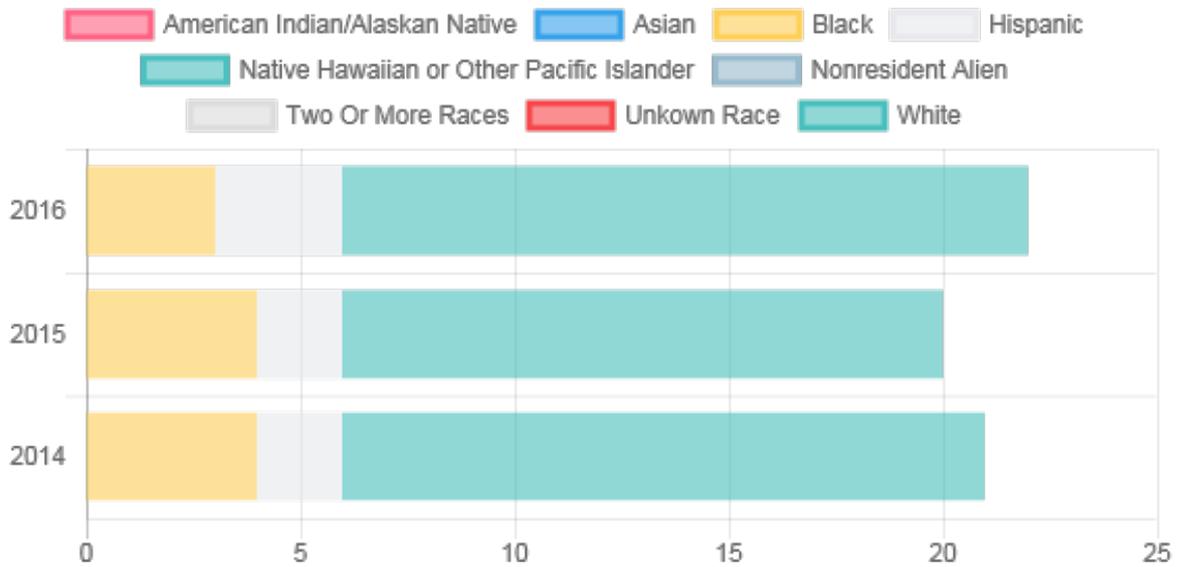


Illustration 2. Faculty Diversity by Race & Ethnicity



Faculty Information

Research and Scholarly Activity

Please refer to Appendix 3, which provides detailed information from the Office of the Vice President for Research, department of Information Technology and Data Management, including:

1) The total number and amount of externally sponsored research proposal submissions by funding source for the appropriate Fiscal Year.

2) Summary of externally sponsored research awards by funding source for the appropriate Fiscal Year. Total extramural funding processed through Sponsored Awards Management (SAM) in the Fiscal Year, and federal extramural funding processed through SAM in the Fiscal Year. (Available at:

http://sam.research.sc.edu/awards.html) Amount of sponsored research funding per faculty member in FY YYYY (by rank, type of funding; e.g., federal, state, etc., and by department if applicable).

3) Number of patents, disclosures, and licensing agreements for three most recent Fiscal Years.

The proposed 7% employer contribution to the state pension plan over the next six years will have a resounding impact on the salary and fringe expenditures covered by USCSOMG to support its state employed faculty and staff. While the current South Carolina state budget proposal includes \$118M to cover portions of the otherwise unfunded mandate consequent to the pension bill, the USCSOMG commitment not to receive state line-item appropriations precludes USCSOMG from partial cost relief from the state's efforts. The proposal, if approved, will result in a blended fringe rate of between 36-37% for USCSOMG faculty and staff in the next six years, a number reaching a point of economic instability in the absence of state financial support.

REFERENCE_ USCSOMG BMS Detailed Research Focus Areas AY17

REFERENCE_USCSOMG BMS Faculty Publications Grants Presentations Info AY17

Faculty Development

Efforts at Faculty Development, including investments, activities, incentives, objectives, and outcomes.

Optional

Faculty development at USCSOMG is focused on equipping the faculty for the immediate needs of teaching, research and scholarship, and service. The long term priorities are focused on increasing resilience among the physician faculty and building and sustaining functional teams across all faculty levels. Uniquely, USCSOMG has a full time Director of Professional Development dedicated to spearheading faculty leadership efforts and the school invests significant resources in individual and group development in response to priorities and needs.

Other Activity

Efforts at Faculty Development, including investments, activities, incentives, objectives, and outcomes.

Optional

N/A

Supplemental Info - Faculty

Any additional content on Faculty Information appears as Appendix 4. (bottom)

Supplemental Academic Analytics Report

Content from Academic Analytics appears as Appendix 5. (bottom)

Teaching

Faculty to Student Ratio

The formula used to compute the ratio uses data from Faculty Population by Track and Title and Student Enrollment by Time Basis, as follows:

$$\frac{(Total\ Full-time\ Students + 1/3\ Part-time\ Students)}{((Total\ Tenure-track\ Faculty + Total\ Research\ Faculty + Total\ Clinical/Instructional\ Faculty) + (1/3\ Adjunct\ Faculty))}$$

Table 4. Faculty-to-Student Ratio, Fall 2017, Fall 2016, and Fall 2015

Fall 2017	Fall 2016	Fall 2015
1:13.9	1: 18.5	1:12.7

Analysis of Ratio

Analysis of the ratio, agreement with the data, and plans for the future to impact this ratio.

USCSOMG provides several options for student access. Classes in the preclinical years for the medical school are organized as modules, each with a single course director and several faculty from different disciplines. The course director organizes and maintains communication between students and module faculty and offers office hours for expanded access. In most cases, there are only two classes/modules running concurrently. USCSOMG utilizes a high proportion of learner centered small group (6-10 students/group) sessions in which students have direct access to faculty. In addition, students have access to discussion boards via Canvas where they can ask questions to faculty or other students. The Biomedical Sciences faculty is nearly at full staff with a remaining three positions in physiology, immunology and neurosciences currently in recruitment. While USCSOMG believes that the faculty ratios were already sufficient to support the growing needs of the SOM with the increased matriculating class size, additional clinical faculty involved in M1 student IPM were engaged to reduce the student:faculty ratio to between 7 and 8. This expansion also helped enhance clinical skills by allowing for more individualized mentoring time between faculty and students; better management and oversight of M1s performing H&Ps on hospitalized patients; and additional skill mentoring time for newly added curriculum material such as bedside ultrasound.

In the clinical years, students are enrolled in clinical clerkships throughout the GHS clinical learning environment with access to over 900 appointed clinical faculty, a size determined to be more than adequate to handle the educational goals of the school, with plans to expand even further in additional disciplines such as hospital based internal medicine. This unique position is possible through the co-location and integrated partnership between USCSOMG and the expansive GHS clinical footprint. Protected time of the course directors (10-30% depending on the length of the course), clerkship directors (30%), and fourth year course directors (20%), ensure that the USCSOMG has adequate time commitments, reasonable for the size of the student body.

Faculty Awards Received

During AY2017-2018 faculty of SOM-G were recognized for their professional accomplishments in the categories of Research, Service, and Teaching.

Research Awards

Recipient(s)	Award	Organization
--------------	-------	--------------

Service Awards

Recipient(s)	Award	Organization
--------------	-------	--------------

Student Recruiting and Retention

Student Recruitment

Efforts, including specific actions, to recruit students into College/School programs.

The USCSOMG Applicant pool has continued to grow steadily since matriculating the first class in 2012 and today continues to be robust and enable student selection under rigorous admission criteria.

Efforts are underway to strengthen direct relationships with local, regional and statewide undergraduate institutions with pre-medical programs to further develop an early decision process and pre-admission programs. Already established with Furman University, Clemson University and Bob Jones University, these pre-matriculation programs provide a select number of guaranteed spots for rising seniors meeting established admissions criteria, generating a pipeline of well-qualified students into USCSOMG that are likely to remain within SC for their training and subsequent medical careers. Wofford College has already committed to acceptance of an early decision spot for the upcoming matriculating class and to pursuit of a scholarship program to support a rising Wofford senior through their full four years at USCSOMG. A similar pilot is being implemented at Claflin University to initiate a broad HBCU initiative.

The Medical Experience (MedEx) Academy is a K-12 through college pipeline program that attracts students to careers in healthcare by providing unique opportunities to explore health care through simulation, lectures, workshops, research and community service. Operated by GHS and funded over 80% through philanthropic funds, the MedEx Academy is now in its sixth year and is structured as a tiered offering that varies in grade of students, length of program and intensity, providing a significant and well diversified workforce development pipeline and a mechanism for USCSOMG to increase and enhance student recruitment. MedEx continues to expand the colleges and universities in the state and region feeding students into this pipeline and is being franchised to Orangeburg in association with the Claflin University initiative. MedEx experienced students now constitute approximately 14% of the USCSOM Greenville student body.

USCSOMG is also able to leverage partnerships through an initiative between Furman University and Historically Black Colleges and Universities (HBCUs) across the state to target outstanding undergraduates. Preparation includes immersion in the "medical school-lite" curriculum, MCAT practice, interview skills and other portfolio building engagements and offers an admission pipeline that increases the diversity of the applicant pool and better prepares selected matriculating students for entry and success through their medical school education.

USCSOMG focus on individuals with a variety of "life paths" who have different racial, ethnic, gender, geographic, socioeconomic and academic backgrounds is highlighted in the recruitment materials that are made available through the USCSOMG website and also by brochure. School material also contains information on the curriculum and all requirements to obtain the MD degree, course descriptions, immunizations, behavioral objectives, school curricular objectives and the multiple avenues for reporting mistreatment.

REFERENCE_USCSOMG Admissions Data

Student Retention

Efforts at retaining current students in College/School programs.

A three tiered career advising program is in place to enhance the probability of success for matriculated students and enrich their learning experience with adequate mentorship, advisement and resources. Modeled after the AAMC Careers in Medicine (CIM) Program, most of the activities in place at USCSOMG are coordinated through the Office of Student Affairs and include:

- (a) Faculty Mentors - clinical faculty in the IPM longitudinal module that are assigned to students in small groups during the M1 and M2 years. These faculty mentors are expected to assist students in matters related to study habits, organization skills, time management skills, mastery of content and personal well-being. Mentors support and encourage students, check in with them occasionally and look for any signs that a student may be struggling personally or academically and then assist in finding resources that are available to aid in these situations.
- (b) Career Counselors - clinical faculty specifically trained to assist with career planning, M3 and M4 scheduling and the residency application and match processes, while continuing to support students and assist them when they may be having academic or personal difficulty. Students chose their career counselors through a lottery system and counsellors follow them from mid-M2 year through graduation
- (c) Specialty Advisors - clinical faculty members who can provide specialty specific advice to students interested in pursuing that field. Guidance is provided related to residency match, residency training, away rotations and other topics related to planning for a career in their specific field of medicine.

Additional activities such as student-lead interest groups, peer tutoring and the continued administrative support from the Office of Student Affairs and Admissions is available. USCSOMG has further established learning communities, referred to as "Colleges" that are designed to promote camaraderie, a sense of community, wellness and mentorship through activities related to team building and civic engagement, another critical component to enriching student retention efforts.

USCSOMG incorporates an extensive formative assessment program in the curriculum that enables early identification of students experiencing academic difficulty. Those identified receive additional assistance and counseling supportive of academic success and, as needed, are offered individualized assessment, personalized study plans, special tutoring and other additional academic support or educational testing if deemed appropriate by the Student Evaluation & Performance Committee.

Resources for study skills, time management, test-taking strategies and other similar programs and offerings are provided throughout each student's entire time at USCSOMG alongside financial aid, literacy and debt management services to mitigate stressors and/or reasons that may lead to student drop out or transfer.

The USCSOMG Charter class graduated 97% 5-year graduation rate for its initial 3 classes, well above the national average. This represents a loss of only 4 students, 1 of whom decided against a career in medicine while the other 3 graduated in May 2017.

Student Enrollment & Outcomes

The following data was provided by USC's Office of Institutional Research, Assessment, and Analytics.

Note: Student enrollment and outcomes data are calculated by headcount on the basis of primary program of student only.

Student Enrollment by Level & Classification

Table 5. Student Enrollment by Level & Classification.

	Fall 2017	Fall 2016	Fall 2015
Undergraduate Enrollment			
Freshman	0	0	0
Sophomore	0	0	0
Junior	0	0	0
Senior	0	0	0
Sub Total	0	0	0
Graduate Enrollment			
Masters	0	0	0
Doctoral	0	0	0
Graduate Certificate	0	0	0
Sub Total	0	0	0
Professional Enrollment			
Medicine	378	333	280
Law	0	0	0
PharmD	0	0	0
Sub Total	378	333	280
Total Enrollment (All Levels)	378	333	280

Illustration 3. Undergraduate Student Enrollment by Classification

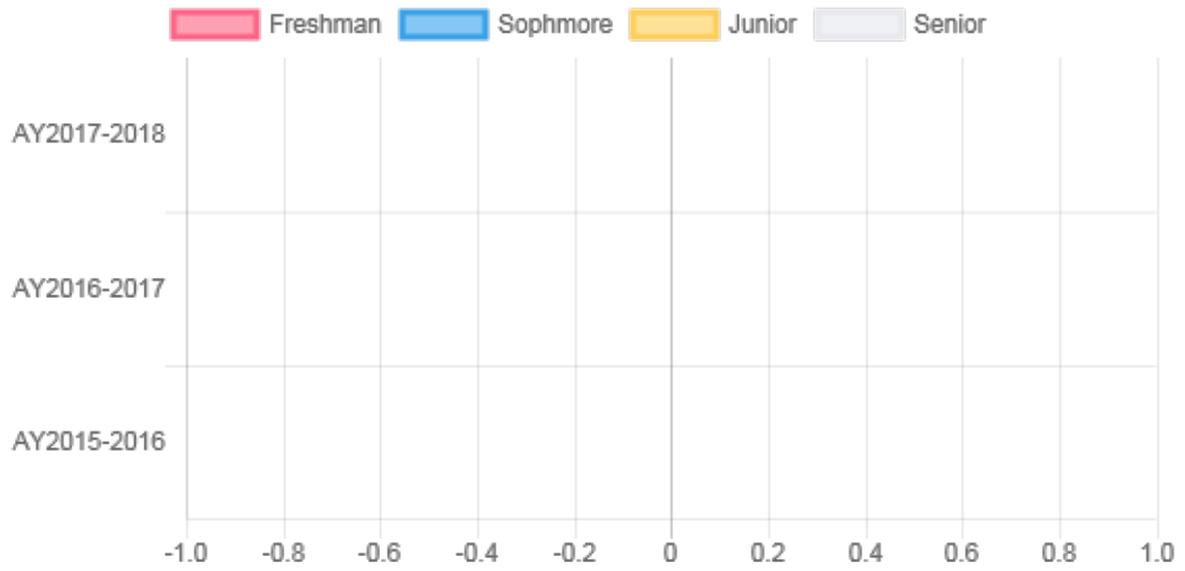


Illustration 4. Graduate/Professional Student Enrollment by Classification

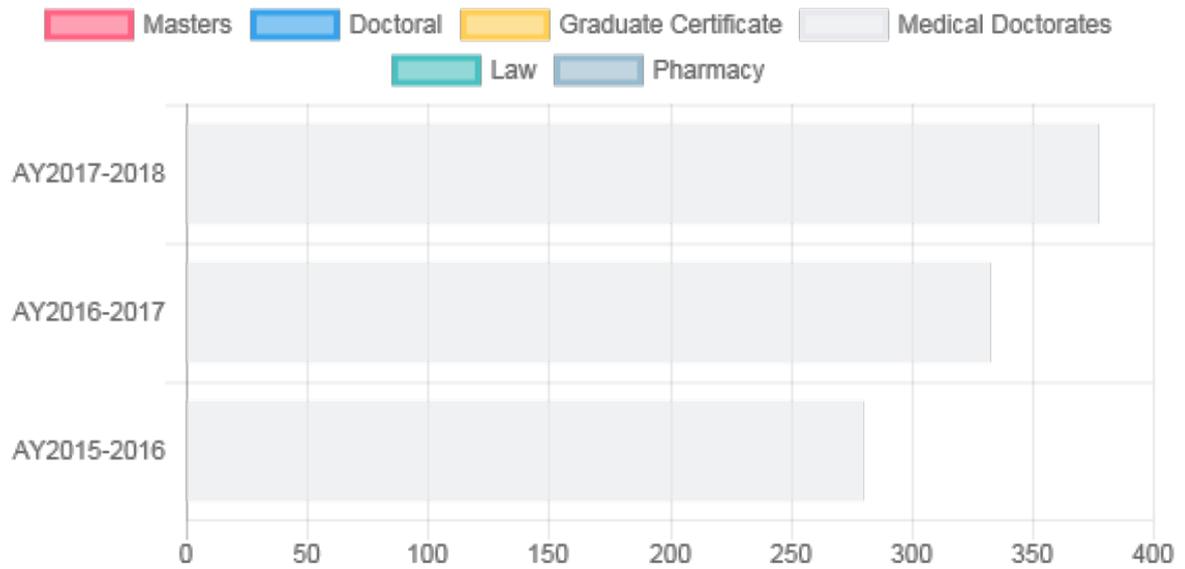
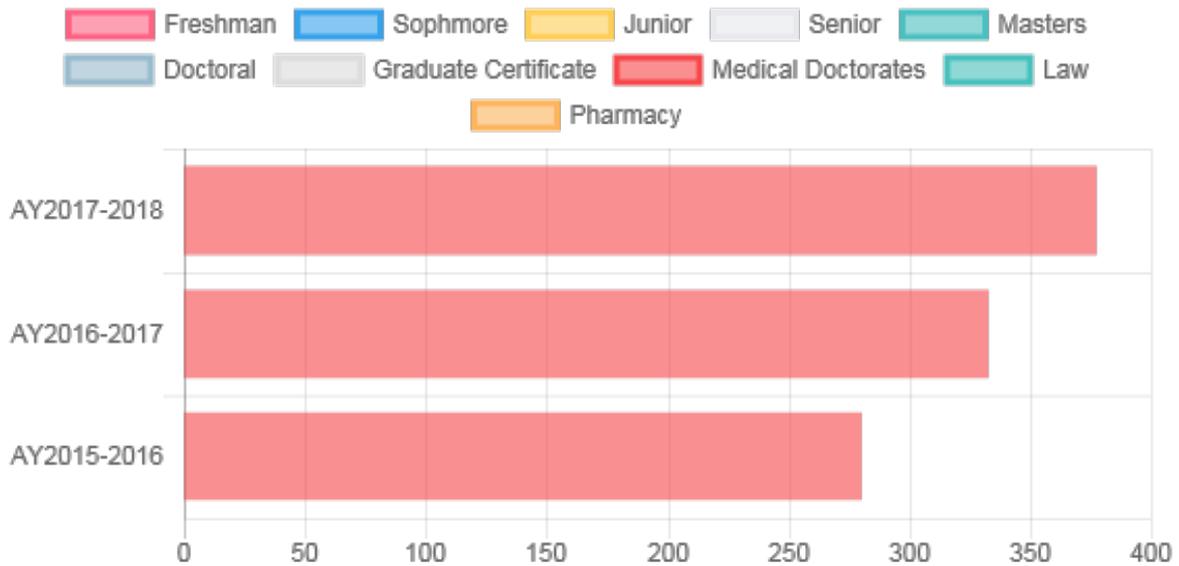


Illustration 5. Total Student Enrollment by Classification (All Levels)



Enrollment by Time Status

Table 6. Student Enrollment by Level and Time Status.

	Fall 2017	Fall 2016	Fall 2015
Undergraduate	0	0	0
Full-Time	0	0	0
Part-Time	0	0	0
Graduate/Professional	378	333	280
Full-Time	377	333	279
Part-Time	1	0	1
Total - All Levels	378	333	280
Full-Time	377	333	279
Part-Time	1	1	1

Student Diversity by Gender

Table 7. Student Enrollment by Gender.

	Fall 2017	Fall 2016	Fall 2015
Undergraduate	0	0	0
Female	0	0	0
Male	0	0	0
Graduate/Professional	378	333	280
Female	210	185	151
Male	168	148	129

Illustration 6. Undergraduate Student Diversity by Gender

2018 Undergraduate Gender



2017 Undergraduate Gender



2016 Undergraduate Gender

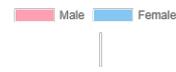
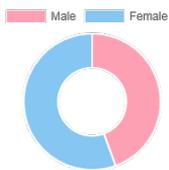
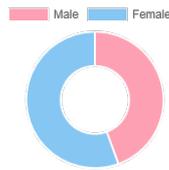


Illustration 7. Graduate/Professional Student Diversity by Gender

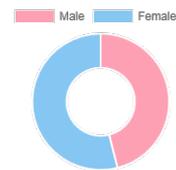
2018 Graduate Gender



2017 Graduate Gender



2016 Graduate Gender



Student Diversity by Race/Ethnicity

Table 8. Student Enrollment by Race/Ethnicity.

	Fall 2017	Fall 2016	Fall 2015
Undergraduate	0	0	0
American Indian/Alaska Native	0	0	0
Asian	0	0	0
Black or African	0	0	0
Hispanic or Latino	0	0	0
Native Hawaiian or Other Pacific Islander	0	0	0
Nonresident Alien	0	0	0
Two or More Races	0	0	0
Unknown	0	0	0
Race/Ethnicity			
White	0	0	0
Graduate/Professional	378	333	280
American Indian/Alaska Native	1	0	1
Asian	25	24	18
Black or African	28	18	16
Hispanic or Latino	18	18	12
Native Hawaiian or Other Pacific Islander	0	0	0
Nonresident Alien	0	0	0
Two or More Races	10	9	7
Unknown	1	2	3
Race/Ethnicity			
White	295	262	223

Illustration 8. Undergraduate Student Diversity by Race/Ethnicity

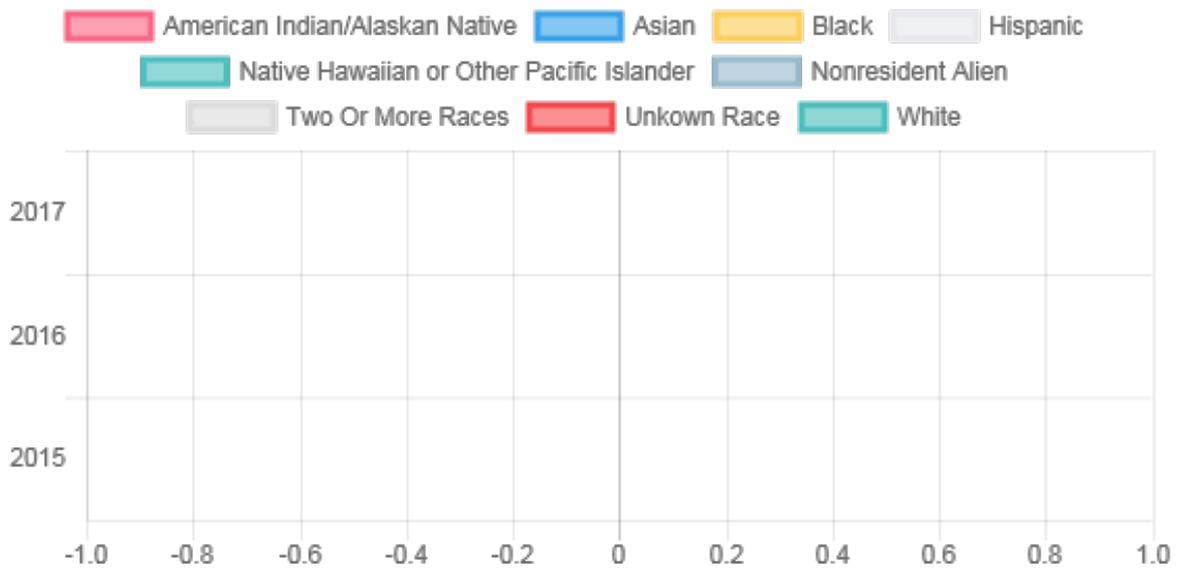
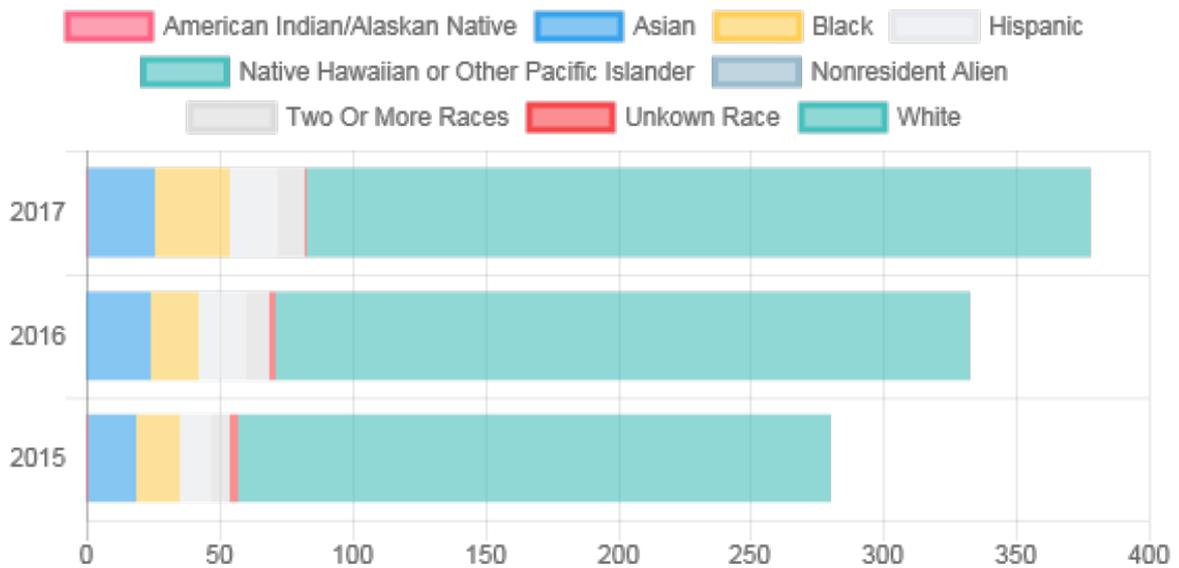


Illustration 9. Graduate/Professional Student Diversity by Race/Ethnicity



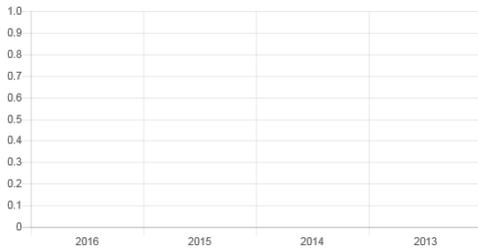
Undergraduate Retention

Table 9. Undergraduate Retention Rates for First-time Full-time Student Cohorts

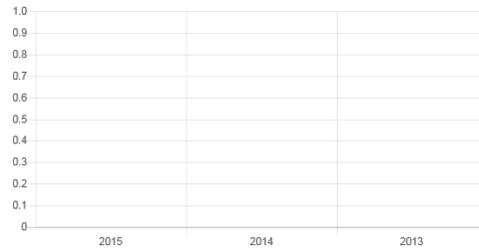
	First Year	Second Year
Fall 2016 Cohort	0%	N/A
Fall 2015 Cohort	0%	N/A
Fall 2014 Cohort	0%	0%
Fall 2013 Cohort	0%	0%

Illustration 10. Undergraduate Retention, First- and Second Year

First Year



Second Year



Student Completions

Graduation Rate - Undergraduate

Table 10. Undergraduate Graduation Rates for First-time Full-time Student Cohorts at 4-, 5-, and 6 Years.

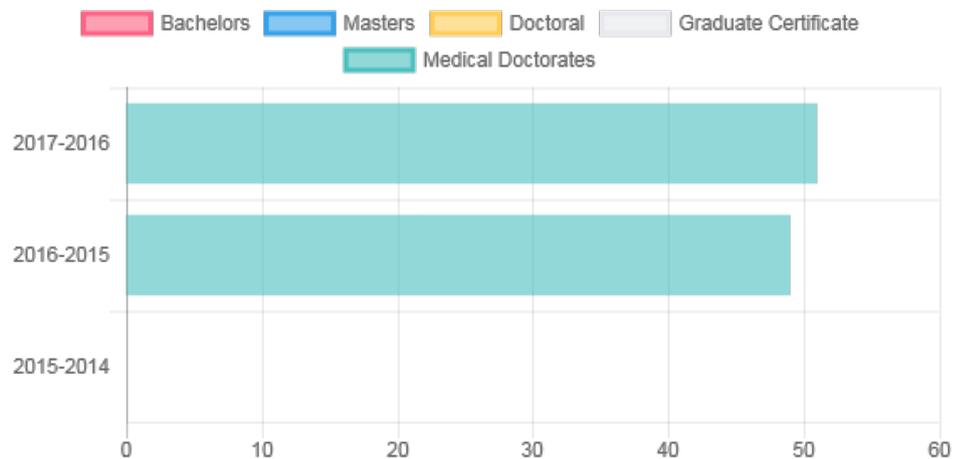
	4-Year	5-Year	6-Year
Fall 2011 Cohort	0%	0%	0%
Fall 2010 Cohort	0%	0%	0%
Fall 2009 Cohort	0%	0%	0%

Degrees Awarded by Level

Table 11. Degrees Awarded by Level.

	AY2016-2017	AY2015-2016	AY2014-2015
Associates Degree	0	0	0
Bachelors	0	0	0
Masters	0	0	0
Doctoral	0	0	0
Medical	51	49	0
Law	0	0	0
Pharmacy Doctorate	0	0	0
Graduate Certificate	0	0	0

Illustration 11. Degrees Awarded by Level



Alumni Engagement & Fundraising

Alumni

Substantial activities, engagements, and initiatives with alumni during AY2017-2018, focusing on relationships and activities with alumni.

Graduating its first class in 2016, USCSOMG's current 49 alumni represent a small but growing population, increasing by graduating a class of 53 students in May 2017. Alumni interest surveys and highlights of USCSOMG program developments have been shared over the past year and initial stages of furthering engagement include biannual communications targeted around the holidays and graduation. Creative work is underway for expansion of the external website to develop an Alumni section for related news, events, and other details regarding student success, placements, and life events. USCSOMG has been engaged in discussions centering on young alumni activities and mentorship programs with prospective and current USCSOMG students, and a "friends of the school" group. Plans to develop this approach are being discussed and initiated throughout the current and upcoming academic year.

Development, Fundraising and Gifts

Substantial development initiatives and outcomes during AY2017-2018, including Fundraising and Gifts.

GHS completed its Second Century Campaign in 2016, one year ahead of plan, raising \$91 million (14% increase over goal) to strengthen clinical care and expand academic research programs. The success of the campaign provided over \$20.1 million specifically to academic programs, with \$12.7 million being designated directly for USCSOMG.

USCSOMG, with support from the USC Columbia Office of Development has launched a campaign to raise \$50 million toward an endowment to support scholarships for the students of USCSOMG. This mini-campaign is engaging local physicians, corporations, universities and colleges, along with small and major gift donors, through a variety of naming opportunities to the Academic program, building, and several locations throughout the 3 story facility, named scholarships and distinctive programs. USCSOMG has commitments for \$11M and hopes to raise an additional \$14 million during the silent phase over the next 12-18 months, before launching a more public and broader ask. Full tuition scholarship, such as the recently awarded Aflac scholarship in January 2017, and the development of the Paladin Scholarship with Furman University and a similar full tuition scholarship with Bob Jones University have been successful additions for USCSOMG students. Efforts toward similar agreements with Wofford College, Clemson University and other local undergraduate programs are underway and look promising to strengthen the USCSOMG applicant pipeline and enlarge funding for scholarships by tapping into a broader range of donors and undergraduate alumni.

Supplemental Info - Alumni Engagement & Fundraising

Any additional information on Alumni Engagement and Fundraising appears as Appendix 6. (bottom)

Community Engagement

Description

Community engagement and community based research, scholarship, outreach, service or volunteerism conducted during AY2017-2018, including activities at the local, state, regional national and international levels.

The school provides several opportunities for students to participate in required and voluntary service learning/community activities. Students are required to participate in emergency medical technician (EMT) training consisting of one, 12-hour ambulance shift per month as active EMTs. The goal of this experience is for students to understand the needs of patients in the community they service, and to increase their awareness of the societal challenges to health care, including access and affordability. Equally important is the goal for students to appreciate the environments from which patients come, and the fact that, after receiving episodic care, patients will return to the same environment in which they became ill or injured.

This program annually provides 14,400 hours of free EMT service to the community and means that there are over 400 EMT trained emergency responders at the medical school to provide bench strength in the event of a mass casualty in the Upstate.

Voluntary service learning/community opportunities also include:

- Community Health Needs Assessments - students receive comprehensive overview of key health indicators, population distribution, top chronic disease states, as well as an overview of GHS health promotion and educational offerings and partnerships
- Public forums and interactions with community leaders and stakeholder, including the Minority Advisory Council (health disparities), Diversity Advisory Council (cultural and linguistic diversity) and Campus Community Advisory Council (advocacy group for the citizens of the community addressing health systems plans and services)
- Minority Health Summit - student conduct basic health assessments
- Take a Loved One to the Doctor Day - students assist with breast and prostate screenings
- Heart Forum - students conduct vital signs assessments
- Susan G. Komen Race for the Cure - students distribute cancer/access information and resources
- Free medical clinics
- Public service organizations
- Berea Middle - GHS Adopt a School Program
- GHS MedEx Academy - student roundtable lunch and learns
- GHS Health Careers Club
- Boy Scouts of America Medical Explorer Program

In addition, student interest groups are encouraged to sponsor seminars, luncheons, and community service days, and to provide information with respect to service-learning needs and opportunities related to their specific area of interest. During orientation, students are informed about potential opportunities by the GHS Department of Community Relations that also post periodic updates of additional opportunities on the class home page. The student body Colleges program provides an incentive for students to participate and collectively share in these experiences, furthering comradery and teamwork across the classes.

Finally, the current and prospective impact of the Tracks of Distinction has been stated previously in the new programs launch section.

Community Perceptions

How unit assesses community perceptions of engagement, as well as impact of community engagement on

students, faculty, community and the institution.

The Health Sciences Center, in which USC is a primary partner alongside Clemson University, Furman University and GHS, is an example of how coming together and leveraging joint resources, talent and interests can be a successful model to enlarge the academic footprint in response to needs of the population for growing healthcare workforce needs. Through that relationship, community needs awareness, engagement and support will remain in the forefront of the USCSOMG faculty, staff, resident and student focus, with support for such embedded deeply within the culture.

The Lifestyle Medicine collaborative lead by USCSOMG infiltrates into the community through establishment and programmatic oversight of the human performance lab; provision of a 6-week Exercise is Medicine program for patients with chronic diseases cared for at 6 GHS primary care sites; and faculty providing consultative and coaching support in healthy lifestyles in cooperation with the local Life Center, YMCAs and other community organizations.

USCSOMG leadership and faculty collaborate with GHS to host an annual Minority Health Summit to educate and increase awareness of major health disparities that disproportionately affect the lives of minorities in the community. This free event, held each April, includes healthy lifestyle presentations, physician-led educational talks, overviews of ways to engage with HBCU Initiatives and Pipeline programs, exercise demonstrations and more.

Incentivizing Faculty Engagement

Policies and practices for incentivizing and recognizing community engagement in teaching and learning, research, and creative activity.

USCSOMG emphasizes service that promotes the stature and engagement of USCSOMG and the GHS Health Science Center through its promotion and tenure unit criteria. Service both inside the institution and outside within the community is built into the promotion system to incentivize and reward teamwork, engagement and resilience to fuel the population health model.

Supplemental Info - Community Engagement

Any additional information on Community Engagement appears as Appendix 7. (bottom)

Collaborations

Internal Collaborations

USC Arnold School of Public Health - There is a growing presence of the Arnold School at GHS, along with plans to expand its presence as the research arm of the GHS CCI.

USC School of Medicine Nurse Anesthesia Program - There is a longstanding satellite of the USCSOM Columbia CRNA program at GHS.

South Carolina College of Pharmacy - There are SCSop P3/P4 students permanently at GHS with plans to expand the number to 20 over the next few years.

USC College of Nursing - 4th year nursing students and NP students do elective rotations at GHS.

USC College of Social Work - Discussions have been initiated with Dean Gehlert to explore collaborative programs for social work programs at GHS, eg LISW and LMSW

External Collaborations

GHS Health Sciences Center (primary academic partners - University of South Carolina, Clemson University and Furman University; strategic partner - Greenville Technical College)

Other Collaborations

Our most significant academic collaborations and multidisciplinary efforts that are not otherwise accounted for as Internal or External Collaborations.

Lifestyle Medicine Education Collaborative (LMED) - an international membership collaborative that offers leadership, guidance and resources to advance the adoption and implementation of lifestyle medicine curricula throughout medical education. Co-directed by USCSOMG Assistant Professor of Physiology and Exercise Science, Jennifer Trilk, Ph.D. More information: <http://lifestylemedicineducation.org/>

Teaching Kitchen Collaborative (TKC), jointly led by The Culinary Institute of America and Harvard T.H. Chan School of Public Health is an invitation network of thought leading organizations using teaching kitchen facilities as catalysts of enhanced personal and public health across medical, corporate, school and community settings. USCSOMG was invited to join in Winter 2016. More information: www.tkcollaborative.org

Supplemental Info - Collaborations

Any additional information about Collaborations appears as Appendix 8. (bottom)

Campus Climate and Inclusion

Campus Climate & Inclusion

Activities unit conducted within AY2017-2018 that were designed to improve campus climate and inclusion.

USCSOMG named Brenda Thames, Ed.D., as USCSOMG Associate Dean for Institutional Culture and Inclusivity in Fall 2016 and, under her leadership, has continued to focus on executing the GHS 2014-16 Diversity Strategic Plan and the USC Strategic Plan for Diversity which have three primary areas of focus with regard to academics: 1) need to develop a future health care workforce that mirrors the diversity of the communities served, 2) need to ensure that the future health care workforce receives the education and training necessary to ensure quality outcomes among diverse patient populations in order to prevent health and health care disparities, and 3) need to improve the understanding and prevention of the persistent health disparities affecting minority communities in the region through high quality research. A strategic leadership direction has been presented and approved by the USCSOMG Dean's Cabinet in early 2017 to further the efforts surrounding inclusivity.

Student recruitment for diversity has focused on the MedEx Academy (described earlier), the Furman University/HBCU collaborative initiative, and the South Carolina Diversity Leaders Initiative Advisory Council (SCDLI), all of which have seen growth over the academic year. Successes include engagement and awareness through numerous discussions with all collaborative partners including a community meeting hosted in November 2016, selection and orientation of institutional leadership (university provosts), creation of a MedEx Academy Board and selection of program leaders that are tasked with the program development and implementation. These programs continue to function as the cornerstone of the medical student diversity strategy and were highlighted at the 2018 Urban League celebration.

The SOM, in collaboration with GHS, is committed to development of leaders at all levels of the organization with an emphasis on the development of emotional/social intelligence and self-awareness as leaders. Conscious leadership and professionalism concepts have been initiated and taught to students in an extracurricular fashion throughout the academic year via newly established lunch lecture series, institution wide leadership development retreats, leadership grand rounds and team meetings while also embedding teachings of cultural competencies in the Medicine and Society as well as Clinical Diagnosis and Reasoning curriculum modules.

Supplemental Info - Campus Climate & Inclusion

Any additional information about Campus Climate and Inclusion appears as Appendix 9. (bottom)

Concluding Remarks

Quantitative Outcomes

Explanation of any surprises with regard to data provided in the quantitative outcomes throughout this report.

Data is consistent with expectations

Cool Stuff

Describe innovations, happy accidents, good news, etc. that occurred within your unit not noted elsewhere in your reporting.

USCSOMG M1 student, Natasha Topoluk, PhD, was awarded the 2017 American Society of Neuroimaging Oldendorf Award for her abstract, Clinical Correlations of Vector of Neoplastic Spread in Patients with Pituitary Adenomas. This research award for a first year medical school student is notable and compliments her offers to present at numerous domestic and international symposiums on her research.

Jasmine Smith, a current USCSOMG M3 student, was selected for a 10-week clinical research oncology rotation with the Medical Student Rotation (MSR) for Unrepresented Populations, supported by the Conquer Cancer Foundation Mission Endowment and other leading biopharma companies. Jasmine was one of seven medical students selected to participate in 2017.

USCSOM Greenville had a 100% residency match for its 3rd consecutive year.

Appendix 2. Academic Initiatives



**Greenville Health System
Scholarly Activity Annual Report**

*Academic Year 2017
July 1, 2016 – June 30, 2017*

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CANCER INSTITUTE (INCLUDING ITOR & CIOS)

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

- Edenfield J, **Schammel C**, Collins J, **Schammel D**, **Edenfield WJ**. Metaplastic Breast Cancer: Molecular Typing and Identification of Potential Targeted Therapies at a Single Institution. Clin Breast Cancer. 2016 Jul 25. pii: S1526-8209(16)30197-5. doi: 10.1016/j.clbc.2016.07.004. [Epub ahead of print] PubMed PMID: 27568101. *(also listed in Pathology (primary author))*
1. Andorsky DJ, Abdulraheem Yacoub, Jason M. Melear, Morton Coleman, Kathryn S. Kolibaba, Heather Dawn Brooks, Jacob D. Bitran, **Suzanne R. Fanning**, Frederick Lansigan, Justin L. Ricker, Kenneth A. Foon, Dongfang Liu, Mary Llorente, Jiahui Li, Jeff Porter Sharman. Phase IIIb randomized study of lenalidomide plus rituximab (R²) followed by maintenance in relapsed/refractory NHL: Analysis of patients with double-refractory or early relapsed follicular lymphoma (FL). J Clin Oncol 35, 2017 (suppl; abstr 7502)
 2. Bendell, JC, Joleen Marie Hubbard, Bert H. O'Neil, Derek J. Jonker, Alexander Starodub, James D. Peyton, Thorvardur Ragnar Halfdanarson, Benjamin Rolland Nadeau, John D. Zubkus, Bamidele Adesunloye, **Edenfield WJ**, Youzhi Li, Wei Li, Axel Grothey, Laura Borodyansky, Chiang Li. Phase 1b/II study of cancer stemness inhibitor napabucasin (BBI-608) in combination with FOLFIRI +/- bevacizumab (bev) in metastatic colorectal cancer (mCRC) patients (pts). DOI: 10.1200/JCO.2017.35.15 suppl 3529 Journal of Clinical Oncology 35, no. 15 May 2017 3529.
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- Collins J., Jordan Brown, Christine Schammel, Kevin Hutson, **W. Jeffery Edenfield**. Meaningful Analysis of Small Data Sets: A Clinician's Guide GHS Proc. June 2017; 2 (1): 16-19. *(also listed in Pathology (primary author))*

7. Cote GM, Nicole Grace Chau, Alexander I. Spira, **William Jeffery Edenfield**, Scott Andrew Laurie, Donald A. Richards, Stephen Lane Richey, Yuan Gao, Youzhi Li, Wei Li, et al. A phase 1b/2 study of amcasertib, a first-in-class cancer stemness kinase inhibitor in advanced head and neck cancer. *J Clin Oncol* 35, 2017 (suppl; abstr 6032).
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12. Falchook, Geoffrey Shapiro, **Chung KY**, Robert Martin Conry, David S. Phase I trial of a novel stapled peptide ALRN-6924 disrupting MDMX- and MDM2-mediated inhibition of WT p53 in patients with solid tumors and lymphomas. | 2017 ASCO Annual Meeting. *J Clin Oncol* 35 (suppl; abstr 2505)
13. **Fanning S**, et al. Ublituximab (TG-1101), a Novel, Glycoengineered Anti-CD20 Antibody, in Combination with Ibrutinib Is Safe and Highly Active in Patients with Relapsed and/or Refractory Chronic Lymphocytic Leukemia: Results of a Phase 2 Trial. *BJH-2016-00977.R1*
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colorectal cancer: results from NSABP protocol LTS-01. *J Cancer Surviv.* 2016 Aug 25. [Epub ahead of print] PubMed PMID: 27562475.

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2. **Yates, Julia.** *Chapter 34: Caring for the Cancer Survivor.* In Eggert, J. (ed.) *Cancer Basics: Second Edition.* Published by Oncology Nursing Society, 2017, pp. 735 – 758.

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2. **O'Rourke MA, Regina Franco, Kerri Susko, Michael Wirth, Benjamin Hollowell, Douglas McCormick, LeAnn Perkins, Ye Shen, Matthew Hudson, Katie Daniels, James Hebert, Sara Robb.** Mindfulness Intervention to Improve Symptomatology among Cancer Survivors at the Greenville Health System (GHS) Cancer Institute Center for Integrative Oncology and Survivorship (CIOS). Abstract 74, oral presentation
3. **O'Rourke MA, Regina Franco, Kerri Susko, William Hendry, Elizabeth Crowley, Alex Christ, John Hanna, Annie Anderson, Sofge Jameson, Jack Ginsberg, James Burch.** Use of

Heart Rate Variability (HRV) Biofeedback for Symptom Management among Cancer Survivors at the Greenville Health System (GHS) Cancer Institute Center for Integrative Oncology and Survivorship (CIOS). Abstract 58, oral presentation.

4. **Roman, S.** Cognition in the Multiple Myeloma Patient. ASBMT/CIBMTR BMT Tandem Meetings, 23 February 2017, Orlando, FL.
5. **Strickland, J.** Effects of Psychosocial Support on Hematopoietic Stem Cell Transplant Survival. ASBMT/CIBMTR BMT Tandem Meetings, 23 February 2017, Orlando, FL.

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2. Becerra C, Braiteh FS, Spira AI, Langleben A, Panasci LC, Vukelja SJ, Hinshaw LM, Goodwin RA, Panella TJ, **Edenfield WJ**, Kossler K, Hume S, Li Y, Hitron M, Li C. A Phase Ib/II Study of Cancer Stemness Inhibitor Napabucasin (BB608) Combined with Weekly Paclitaxel in Advanced Triple Negative Breast Cancer. *J Clin Oncol* 34, 2016 (suppl; abstr 1094).
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7. DesRoshers T, Holmes L, O'Donnell L, Guo Q, **Shammel D**, **Edenfield WJ**, Konos C, Crosswell HE. A complex 3D model of glioblastoma for patient-specific drug response profiling. *AACR*, July 2016 Volume 76, Issue 14

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10. Eckhardt SG, **Gluck WL**, Gutierrez M, Peterson C, Mazhari R, Benaim E. Results of a Phase 1 Study of RX-5902 in Advanced Solid Tumors (ST): an Orally Bioavailable Inhibitor of Phosphorylated P68, targeting solid tumors. 2016 ASCO Annual Meeting Abstracts
11. Eckhardt SG, **Gluck WL**, Gutierrez M, Peterson C, Mazhari R and Benaim E. Phase 1/2a Study of RX-5902 in Advanced Solid Tumors (ST): an Orally Bioavailable Inhibitor of Phosphorylated P68 and Modulator of β Catenin Nuclear Translocation. ESMO abstract 2016.
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13. Forero-Torres A, Wertheim MS, Tycel J. Phillips , Gutierrez ME, **Edenfield WJ**, Yeleswaram S, Bleam M, Zhou L, Pulini JH, Faivre T, Miao H, Spear M, Ramchandren R. Preliminary safety, efficacy, and pharmacodynamics of a highly selective P13K8 inhibitor, INCB050465, in patients with previously treated B-cell malignancies. AACR, July 2016. Volume 76, Issue 14 Supplement.

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14. Franco RA, Perkins L, O'Rourke MA. Greenville health system (GHS) experience with risk reduction endocrine therapy for women diagnosed with breast lobular carcinoma in situ (LCIS). | 2017 ASCO Annual Meeting Abstracts.
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CARE COORDINATION INSTITUTE (CCI)

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4. Egan BM. Metformin lowers blood pressure in obese and insulin resistant individuals without diabetes. *JASH*. 2017;11:132–133.
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11. Egan BM. Is there a role for very low-dose combination therapy in hypertension management? *JASH*. 2017; (in press).
12. Egan BM, Li J, Wagner CS. Controlling systolic blood pressure below 140 mmHg in most hypertensive patients matches Systolic Blood Pressure Intervention Trial Intensive Treatment: Practical implications for primary care. *Hypertension J*. 2017;3:1–8.

13. Sarasua S, Li J, Hernandez G, Ferdinand KC, Tobin JN, Fiscella KA, Jones DW, Sinopoli A, Egan BM. The 2013 Cholesterol Guideline and opportunities for improving cardiovascular outcomes. *J Clin Hypertension*. 2017;(published online ahead of print [DOI: 10.1111/jch.13004]).
14. Turan TN, Lynn MJ, Nizam A, Egan BM, Le N-A, Lopes-Virella MF, Hermayer KL, Harrell J, Derdeyn CP, Fiorella D, Janis S, Lane B, Montgomery J, Chimowitz MI. Relationship between risk factor control and vascular events in the SAMMPRIS Trial. *Neurology*. 2017;88:1–7.

BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

PEER REVIEWED MEETING ABSTRACTS

GHS DEPARTMENT OF ANESTHESIOLOGY (INCLUDING CRNA)

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. Cobb, H, Condra, J, Montgomery, M, Patil, N, Wohlers, R, Wrenn, E. Comparison of Flow Dynamics of Peripherally and Centrally Inserted Intravenous Catheters Using a Rapid Infusion System (ThermaCor1200). AANA Journal. 2017, 85:256-260. *(CRNA)*

BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

PEER REVIEWED MEETING ABSTRACTS

GHS DEPARTMENT OF EMERGENCY MEDICINE

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. **Blackwell TH**, Halsey RM, Reinovsky JH. Emergency Medical Technician Training for Medical Students: a Two-Year Experience. *Prehospital Emergency Care* 2016; 20:102.
2. Crowe RP, Levine R, Rodriguez S, Larrimore AD, **Pirrallo RG**. Public perception of Emergency Medical Services in the United States. *Prehosp Disaster Med* 2016;31(Suppl. 1):s112-s117.
3. **Fabiano S**, Moody R. An Unusual Case of Shortness of Breath. *Air Medical Journal* May 2017. J.2017.02.007
4. Faul M, Zu L, **Sasser SM**. Hospitalized Traumatic Brain Injured Patients: Trauma Center Utilization and High Interfacility Transfers among Older Adults. Accepted for Publication, January 2016. *Prehospital Emergency Care*. 2016 Sept-Oct; 20(5):594-600.
5. Faul M, Lurie P, Kinsman JM, Dailey MW, Crabaugh C, **Sasser SM**. Multiple Naloxone Administrations Among Emergency Medical Service Providers is Increasing. *Prehospital Emergency Care*. May 2017.
6. **Gray JD**, Wilson CJ. Streptococcus gallolyticus (bovis): a rare presentation of meningitis in the ED. *Am J of Emerg Med*. 2016; 34(3): 677. DOI: 10.1016/j.ajem.2015.06.055
7. Haley KB*, Lerner EB, Guse CE, PIRRALLO RG: The Effect of System-Wide Interventions of the Assessment and Treatment of Pain by Emergency Medicine Services Providers. *Prehospital Emergency Care* 2016;18:1-7.
8. Kudenchuk PJ, Brown SP, Daya M, Rea T, Nichol G, Morrison LJ, Leroux B, Vaillancourt C, Wittwer L, Callaway CW, Christenson J, Egan D, Ornato JP, Weisfeldt ML, Stiell IG, Idris AH, Aufderheide TP, Dunford JV, Colella MR, Vilke GM, Brienza AM, Desvigne-Nickens P, Gray PC, Gray R, Seals N, Straight R, Dorian P; Resuscitation Outcomes Consortium Investigators [**PIRRALLO RG**]. Amiodarone, Lidocaine, or Placebo in Out-of-Hospital Cardiac Arrest. *N Engl J Med* 2016;375(8):802-3.
9. **Pittman MA**, Yarris LM, Lall MD, Smith JL, Wills CP, Ufberg JW, Hegarty CB, Love JN. Do Emergency Medicine Residency Graduates Feel Prepared To Manage Closed Fractures After Training? *Acad Emerg Med* 2017;24:92-7.
10. Walchok J., **Lutz, M.**, Shope, C., Gue' G, Furmanek D., **Pirrallo, R.**, Dix, A. Can paramedics draw uncontaminated blood cultures prior to prehospital antibiotic administration? *Prehospital Emergency Care* 2016, 20:154(A76).
11. Walchok JG, **Lutz ME**, Shope CF, Gue' G, Furmanek D., **Pirrallo, R.**, Dix, A. How well does a prehospital sepsis assessment tool correlate with elevated serum lactate levels: Is a paramedic's assessment enough? *Prehospital Emergency Care* 2016; 20:154(A77).

BOOK AND BOOK CHAPTERS

1. Annett S, Cassas K, and Bryan S. Gender differences: Considerations for the Female Endurance Athlete. In: Miller T, editor. Endurance Sports Medicine- A Clinical Guide. Switzerland: Springer International Publishing; 2016. P 55-70. ISBN 978-3-319-32980-2, August 2016.
2. Blackwell, T: EMS: Introduction and Ground Transport. in Walls, ed. Rosen's Emergency Medicine: Concepts and Clinical Practice, 9th ed. Elsevier . Louis, 2017. Chapter 190. May 2017
3. Fabiano S. Airway Anatomy. In: Papadakos P, Gestring M, editors. The Encyclopedia of Trauma Care. Springer, Heidelberg, New York, Dordrecht London; 2015.p 93-98
4. Pfennig CL, Slovis CM. Electrolyte Disorders. In Walls, editor. Rosen's Emergency Medicine: Concepts and Clinical Practice. 9th ed., 2017. Elsevier. Chapter 117

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Bitner M**, Hobbs J, **Dix A**. Disaster Workshop: Active Shooter Preparedness and Tourniquets. 2017 Annual Post Graduate Seminar (*also posted in SIM Education*)
2. **Blackwell T**, Halsey M, Reinovsky J. Emergency Medical Technician Training for Medical Students: a Two-Year Experience. 2016 National Association of EMS Physicians Annual Meeting, San Diego, CA.
3. **Blackwell T**. Focused Performance Cardiac Arrest Resuscitation. 2016 GHS Prehospital Medicine Conference.
4. **Blackwell T**. Crash of US Air Flight 1016. 2016 GHS Prehospital Medicine Conference.
5. **Blackwell T**. Disaster Care: Concepts and Reality-Structure. 2017 National EMS Medical Director's Course and Practicum, 2017 National Association of EMS Physicians Annual Meeting.
6. **Blackwell T**. Disaster Care: Concepts and Reality-Operations. 2017 National EMS Medical Director's Course and Practicum, 2017 National Association of EMS Physicians Annual Meeting.
7. **Bridges, E**. How to Teach. *Medical University of SC Grand Rounds*. Columbia, South Carolina; 2016 August 4.
8. **Morrow, D**. World Conference of Ultrasound in Medical Education, Texas Tech- Lubbock, Texas September 22-24 2016.
Ultrasound Phantom: Making Your Own
Session Chair Dustin Morrow MD
Faculty James Maher MD / Cynthia Smith MD

Focused Assessment With Sonography in Trauma Panel / Workshop
Faculty Irene Ma MD / Samuel Campbell MD / Dustin Morrow MD / Peter Steinmetz MD / Jim Tsung MD

Ultrasound for First Responders Panel / Workshop

Faculty: Mahmoud Elbarbary, Sajju Joseph, Dustin Morrow, Gregor Prosen, Michael Wagner, Susan Wieggers

9. **Pfennig, C.** *Lytes On or Lytes Off? Deadly Electrolyte Emergencies. New York Medical College (Metropolitan Hospital Center) Department of Emergency Medicine Grand Rounds. New York, New York; May 2017*
10. **Pfennig, C.** *Stress Me Out: Adrenal Emergencies. New York Medical College (Metropolitan Hospital Center) Department of Emergency Medicine Grand Rounds. New York, New York; May 2017*
11. **Pfennig, C.** *DKA and Hyperosmolar Syndrome- High-Yield Pearls and Pitfalls. American College of Emergency Physicians Scientific Assembly. Las Vegas, Nevada; October 2016*
12. **Pfennig, C.** *Half-Baked: Emergencies in the First 20 Weeks of Pregnancy. American College of Emergency Physicians Scientific Assembly. Las Vegas, Nevada; October 2016*
13. **Pfennig, C.** *Lytes On or Lytes Off? Deadly Electrolyte Emergencies. American College of Emergency Physicians Scientific Assembly. Las Vegas, Nevada; October 15-18, 2016*
14. **Pfennig, C.** *Wait! There is a Baby in There: Imaging of the Pregnant Patient. American College of Emergency Physicians Scientific Assembly. Las Vegas, Nevada; October 2016*
15. **Pfennig, C.** *Northwest Seminars Emergency Medicine Update, Hilton Head, SC; March 2017*
Is there a LYTE at the End of the Tunnel? Electrolyte Emergencies
Wait! There's a Baby in There- Imaging of the Pregnant Patient.
My Baby Stopped Breathing: The New BRUE
Obstetrics 911
Stuff Down There: An Update in STDs
Papules, Purpura, Petechiae, Oh My! Dermatological Emergencies
Stress Me Out: Adrenal Emergencies
16. **Pirrallo R.** *Development of EMS Protocols. Medical Director Course Pre-conference, EMS ASIA 2016. Seoul, South Korea; August 2016*
17. **Pirrallo R.** *Ambulance Crash: Should We Always do a Hot-Run. EMS ASIA 2016. Seoul, South Korea; August 2016.*
18. **Pirrallo R.** *Chairperson, Symposium: Prehospital Neurologic Emergency EMS ASIA 2016. Seoul, South Korea; August 2016.*
19. **Sasser, S.** *Implementing Advanced Automatic Collision Notification Protocols in EMS. Webinar. American College of Emergency Physicians. Aug 2016*
20. **Sasser, S.** *The Role of Bystanders in Disaster Preparedness and Response, Joint Counterterrorism Awareness Workshop Series, San Francisco, CA, July 2016*

21. **Sasser, S.** The Role of Bystanders in Disaster Preparedness and Response, Joint Counterterrorism Awareness Workshop Series, Phoenix, AZ, Aug 2016
22. **Sasser, S.** The Role of Bystanders in Disaster Preparedness and Response, Joint Counterterrorism Awareness Workshop Series, Mcallen, TX, Sep 2016
23. **Sasser, S.** Implementing AACN Protocols in Your EMS System. *American College of Emergency Physicians*, Dallas, TX; Sep 2016
24. **Sasser, S.** Advanced Automatic Collision Notification in EMS Systems. American College of Emergency Physicians Scientific Assembly EMS Preconference, Las Vegas, Nevada; October2016.
25. **Sasser, S.** The Role of Bystanders in Disaster Preparedness and Response. *Joint Counterterrorism Awareness Workshop Series, Federal Emergency Management Agency*, Austin, TX;Feb2017
26. **Sasser, S.** The Role of Bystanders in Disaster Preparedness and Response. *Joint Counterterrorism Awareness Workshop Series, Federal Emergency Management Agency*, Jacksonville, FL;March2017
27. **Sasser, S.** The Role of Bystanders in Disaster Preparedness and Response. *Joint Counterterrorism Awareness Workshop Series, Federal Emergency Management Agency*, Baltimore, MD; April 2017
28. **Sasser, S.** The Role of Bystanders in Disaster Preparedness and Response. *Joint Counterterrorism Awareness Workshop Series, Federal Emergency Management Agency*, Greenville, SC; November 2016
29. **Sasser, S.** The Role of Bystanders in Disaster Preparedness and Response. *Joint Counterterrorism Awareness Workshop Series, Federal Emergency Management Agency*, New Orleans, LA; October2016
30. **Sasser, S.** We got a bleeder!. *Coastal Emergency Medicine Conference*, Kiawah, SC;June2016

PEER REVIEWED MEETING ABSTRACTS

Atwood, C; Denis, R; Dumas, K; **Pfennig-Bass, C.** *University of South Carolina School of Medicine-Greenville Colleges Program.* Association of American Medical Colleges/ 2016 Group on Student Affairs (GSA), Careers in Medicine (CiM) and Organization of Student Representatives (OSR) Professional Development Conference Poster Session. St. Louis, Missouri. June 2016. (poster)

1. **Blackwell T**, Halsey M, Reinovsky J. Emergency Medical Technician Training for Medical Students: a Two-Year Experience. *Prehosp Emerg Care*, 2016; 20:160.
2. Graves C, McCoy C, **Ramsay A**, Hardison L, Richardson W. "Carbon monoxide poisoning from detergent suicide attempt." – Poster presentation, North American Congress of Clinical Toxicology (NACCT) Annual Meeting, Boston, MA, September 2016.
3. Walchok J., **Lutz, M.**, Shope, C., Gue' G, Furmanek D., **Pirrallo, R.**, Dix, A. Can paramedics draw uncontaminated blood cultures prior to prehospital antibiotic administration? *Prehospital Emergency Care* 2016, 20:154(A76).
4. Walchok JG, **Lutz ME**, Shope CF, Gue' G, Furmanek D., **Pirrallo, R.**, Dix, A. How well does a prehospital sepsis assessment tool correlate with elevated serum lactate levels: Is a paramedic's assessment enough? *Prehospital Emergency Care* 2016; 20:154(A77).

GHS DEPARTMENT OF FAMILY MEDICINE

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. **Asif IM, Wiederman M**, Kapur R. Journal Clubs in Sports Medicine Fellowship Programs: Results From a National Survey and Recommendations for Quality Improvement. *Clin J Sport Med*. 2016 Nov 2. [Epub ahead of print] PubMed PMID: 27811547. (also in USCSOMG)
2. **Asif IM**, Harmon KG. Incidence and Etiology of Sudden Cardiac Death: New Updates for Athletic Departments. *Sports Health*. 2017 May/Jun;9(3):268-279. doi: 10.1177/1941738117694153. Epub 2017 Feb 1. PubMed PMID: 28452637.
3. **Asif IM**, Stovak M, Ray T, Weiss-Kelly A. Primary Care Sports Medicine Fellowship: AMSSM Proposed Standards of Excellence. *Clin J Sport Med*. 2017 May;27(3):231-244. doi: 10.1097/JSM.0000000000000428. PubMed PMID: 28448427.
4. **Asif IM**, Stovak M, Ray T, Weiss-Kelly A. The primary care sports medicine fellowship: American Medical Society for Sports Medicine proposed standards of excellence. *Br J Sports Med*. 2017 Sep;51(18):1328-1337. doi: 10.1136/bjsports-2016-097428. Epub 2017 May 8. PubMed PMID: 28483929.
5. **Albano AW Jr**, Senter C, Adler RH, Herring SA, **Asif IM**. The Legal Landscape of Concussion: Implications for Sports Medicine Providers. *Sports Health*. 2016 Aug 16. pii: 1941738116662025. [Epub ahead of print] PubMed PMID: 27530613.
6. Drezner JA, Sharma S, Baggish A, Papadakis M, Wilson MG, Prutkin JM, Gerche A, Ackerman MJ, Borjesson M, Salerno JC, **Asif IM**, Owens DS, Chung EH, Emery MS, Froelicher VF, Heidbuchel H, Adamuz C, Asplund CA, Cohen G, Harmon KG, Marek JC, Molossi S, Niebauer J, Pelto HF, Perez MV, Riding NR, Saarel T, Schmied CM, Shipon DM, Stein R, Vetter VL, Pelliccia A, Corrado D. International criteria for electrocardiographic interpretation in athletes: Consensus statement. *Br J Sports Med*. 2017 May;51(9):704-731. doi: 10.1136/bjsports-2016-097331. Epub 2017 Mar 3. PubMed PMID: 28258178.
7. Drezner JA, Harmon KG, **Asif IM**, Marek JC. Why cardiovascular screening in young athletes can save lives: a critical review. *Br J Sports Med*. 2016 Jul 14. pii: bjsports-2016-096606. doi: 10.1136/bjsports-2016-096606. [Epub ahead of print] PubMed PMID: 27418320.
8. Drezner JA, O'Connor FG, Harmon KG, Fields KB, Asplund CA, **Asif IM**, Price DE, Dimeff RJ, Bernhardt DT, Roberts WO. AMSSM Position Statement on Cardiovascular Preparticipation Screening in Athletes: Current Evidence, Knowledge Gaps, Recommendations, and Future Directions. *Clin J Sport Med*. 2016 Sep;26(5):347-61. doi: 10.1097/JSM.0000000000000382. PubMed PMID: 27598018.
9. Drezner JA, Owens DS, Prutkin JM, Salerno JC, Harmon KG, Prosis S, Clark A, **Asif IM**. Electrocardiographic Screening in National Collegiate Athletic Association Athletes. *Am J Cardiol*. 2016 Sep 1;118(5):754-9. doi: 10.1016/j.amjcard.2016.06.004. Epub 2016 Jun 14. PubMed PMID: 27496294.

10. Drezner JA, O'Connor FG, Harmon KG, Fields KB, Asplund CA, **Asif IM**, Price DE, Dimeff RJ, Bernhardt DT, Roberts WO. Infographic: AMSSM position statement on cardiovascular preparticipation screening in athletes: Current evidence, knowledge gaps, recommendations and future directions. *Br J Sports Med.* 2016 Oct 4. pii: bjsports-2016-096946. doi: 10.1136/bjsports-2016-096946. [Epub ahead of print] PubMed PMID: 27707743.
11. Harmon KG, **Asif IM**, Maleszewski JJ, Owens DS, Prutkin JM, Salerno JC, Zigman ML, Ellenbogen R, Rao AL, Ackerman MJ, Drezner JA. Incidence and Etiology of Sudden Cardiac Arrest and Death in High School Athletes in the United States. *Mayo Clin Proc.* 2016 Nov;91(11):1493-1502. doi: 10.1016/j.mayocp.2016.07.021. PubMed PMID: 27692971.
12. Khodae M, Currie DW, **Asif IM**, Comstock RD. Nine-year study of US high school soccer injuries: data from a national sports injury surveillance programme. *Br J Sports Med.* 2016 Dec 28. pii: bjsports-2015-095946. doi: 10.1136/bjsports-2015-095946. [Epub ahead of print] PubMed PMID: 28031189.
13. Luiten RC, Ormond K, Post L, **Asif IM**, Wheeler MT, Caleshu C. Exercise restrictions trigger psychological difficulty in active and athletic adults with hypertrophic cardiomyopathy. *Open Heart.* 2016 Oct 17;3(2):e000488. PubMed PMID: 27843566; PubMed Central PMCID: PMC5073663.
14. Sharma S, Drezner JA, Baggish A, Papadakis M, Wilson MG, Prutkin JM, La Gerche A, Ackerman MJ, Borjesson M, Salerno JC, **Asif IM**, Owens DS, Chung EH, Emery MS, Froelicher VF, Heidebuchel H, Adamuz C, Asplund CA, Cohen G, Harmon KG, Marek JC, Molossi S, Niebauer J, Pelto HF, Perez MV, Riding NR, Saarel T, Schmied CM, Shipon DM, Stein R, Vetter VL, Pelliccia A, Corrado D. International recommendations for electrocardiographic interpretation in athletes. *Eur Heart J.* 2017 Feb 20. doi: 10.1093/eurheartj/ehw631. [Epub ahead of print] PubMed PMID: 28329355.
15. Toresdahl BG, **Asif IM**. Update on Zika Virus: Considerations for the Traveling Athlete. *Sports Health.* 2016 Jul 19. pii: 1941738116659060. [Epub ahead of print] PubMed PMID: 27436751.

BOOK AND BOOK CHAPTERS

1. Annett S, **Cassas K, Bryan S**. Gender Differences: Considerations for the Female Endurance Athlete. In TL Miller (ed.) *Endurance Sports Medicine: a Clinical Guide* (2016), Springer International Publishing, Switzerland. (*also listed in Orthopaedics*)

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Albano, Andrew M** (Author), Schutzbach, Brian (Author & Presenter), ACSM National Conference, "Encouraging Exercise in the Palmetto State: A Descriptive Analysis of HIIT and Its' Associated Injuries," ACSM, Denver, CO. (June 2017).
2. **Albano, Andrew M** (Author & Presenter), Hale, Allyson (Author), Ewing, Joseph (Author), Wiederman, Michael (Author), Asif, Irfan (Author), AMSSM Annual Meeting, "An Assessment of Clinician Confidence in Determining Fitness to Drive in Concussed Athletes," AMSSM, San Diego, CA. (May 2017).

3. **Albano, Andrew M**, Annual Traumatic Brain Injury Conference, "Life After Concussion - Coordinatng a Safe Return to Academics & Athletics," Raleigh, NC. (October 28, 2016).
4. **Asif IM**. Navigating the AMSSM. AMSSM Fellows Conference, Cincinnati, OH, 30 July 2016.
5. **Asif IM**. How Do I Pay for My Study? AMSSM Fellows Conference, Cincinnati, OH, 31 July 2016.
6. **Benedum, M.**, Wyncott, D., Fletke, K., Smith, D., Elsayed, T., Halpert, K., Burdick J., Meredith, T., Wheeler, H., Scott, R., Viera, A, and Todd Zakrajsek. "Make Them CARE: Coaching to Advance Resident Engagement." Society of Teachers in Family Medicine, Annual Spring Conference. San Diego, CA May 2017. Works-in-Progress Presentation. ." (2017 - Present).
7. **Benedum, M.**, Wyncott, D., Fletke, K., Smith, D., Elsayed, T., Halpert, K., Burdick J., Meredith, T., Wheeler, H., Scott, R., Viera, A, and Todd Zakrajsek. "What is Coaching? A Deeper Dive in the the Make The, CARE Trial: Coaching to Advance Resident Engagement." Society of Teachers in Family Medicine, Annual Spring Conference. San Diego, CA May 2017. Seminar Presentation.." (2017 - Present).
8. Dysinger W, Frates E, **Morris E**, Sannidhi D. (October, 2016). Group visits in lifestyle medicine. In D. Katz (Chair) Lifestyle Medicine 2016: Healthy People, Healthy Planet. Symposium conducted at the meeting of the American College of Lifestyle Medicine, Naples, FL, October 23-26, 2016.
9. Emerson, J., **Benedum, M.**, and Casey Hurst. "Residents as Teachers: There's a Top 10 for That!" Society of Teachers in Family Medicine, Annual Spring Conference. San Diego, CA May 2017. Works-in-Progress Presentation.." (2017 - Present).
10. **Green, Vincent E**, AAFP Program Directors Workshop, "Resilience and Self Awareness: Building the Muscle for Effective Leadership in Residency Education," American Academy of Family Physicians, Kansas City, MO. (March 24, 2017).
11. **Masocol, Robert Virgil**, 64th Annual Meeting, "EIM and Lifestyle Medicine: Implementation in a High Risk Clinical Setting," American College of Sports Medicine, Denver, CO. (May 30, 2017).
12. Khodae, Morteza (Author & Presenter), **Masocol, Bobby** (Author & Presenter), Wiederman, Michael W. (Author & Presenter), 26th Annual Meeting, "Research, Scholarship, and Publications -- Starting Strategies for Success," American Medical Society for Sports Medicine, San Diego, CA. (May 11, 2017).
13. **Masocol, Robert Virgil**, 44th Annual Meeting, "The association between physical activity and markers of chronic disease in a high risk residency clinic," North American Primary Care Research Group, Colorado Springs, Co. (November 12, 2016).
14. **Masocol, Robert Virgil**, Asif, Irfan, Lifestyle Medicine Education Summit, "Incorporating Lifestyle Medicine Into The Clinical Sciences," Lifestyle Medicine Education Collaborative, Greenville SC. (October 8, 2016).
15. **Morris E**, Bautista S, Herrick S, Gardner J. (October, 2016). Professionals in training expert panel: How to run a Lifestyle Medicine Interest Group. In D. Katz (Chair) Lifestyle Medicine

- 2016: Healthy People, Healthy Planet. Symposium conducted at the meeting of the American College of Lifestyle Medicine, Naples, FL, October 23-26, 2016.
16. **Morris E**, Bonnet J. (October, 2016). The power of students. In J. Trilk and E. Phillips (Co-founders) Lifestyle Medicine Education Collaborative Summit. Symposium conducted at the meeting of the Lifestyle Medicine Education Collaborative, Greenville, SC, October 7-9, 2016.
 17. **Saccocio, Saria** (Panelist), Blackstone, MD, Marcus (Panelist), Kirsner, John (Panelist), Yance, Jim (Panelist), Clinically Integrated Networks (CIN) v2, Co-Panelists Marchus Blackstone, MD, John Kirsner, Jim Yanci. (May 2017 - Present).
 18. **Saccocio, Saria** (Panelist), Miller, John (Panelist), Heigel, Catherine (Panelist), "Eliminating Harm: Zero is Possible, Moderator, Panelists, John Miller and Catherine Heigel," South Carolina Hospital Association Annual Meeting. (January 2017 - Present).
 19. **Saccocio, Saria** (Presenter), Smoking Cessation Leadership Center Webinar, "From Tar Wars to a Comprehensive Tobacco and Nicotine APPROACH: Addressing Social Determinants of Health and Tobacco-related Disparities, Engaging Health Professionals and Strengthening Smoking Cessation." (January 2017 - Present).
 20. **Saccocio, Saria** (Presenter), American Academy of Family Physicians FMX, "Up, Down, Sideways, and Across: Sustainable Leadership in an Ever-Changing Environment," American Academy of Family Physicians. (September 2016 - Present).
 21. **Saccocio, Saria** (Presenter), Schwartz, Karen (Presenter), "Code Spesis: Better Process, Saving Lives." (September 2016 - Present).
 22. **Saccocio, Saria** (Presenter), Women Lead HERe Conference, "Want to be Popular...or Will You Lead?," Healthcare Financial Management Association South Carolina Chapter. (September 2016 - Present).
 23. Saccocio, Saria (Panelist), Lamberton, Natalie (Panelist), Conroy, Joanne (Panelist), Women Leaders in Healthcare, "Success at Any Age: Cross-generational Leaders Share Their Best Career Advice," Modern Healthcare. (August 2016 - Present).
 24. Zeller, Timothy Aaron, Festival of Flowers Medical Symposium, "Asthma Update," Self Regional Healthcare, Greenwood, SC. (June 2016).

PEER REVIEWED MEETING ABSTRACTS

GHS DEPARTMENT OF INTERNAL MEDICINE

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. **Abrams GA**, Jamal H, Deeter WT 3rd, Patil N. LOGIQ E9 Shear Wave Elastography for Detection of Liver Fibrosis in Patients with Chronic Hepatitis C Virus. *South Med J*. 2016 Nov;109(11):730-734. PubMed PMID: 27812720.
2. **Avasarala J**. Is A Neurologist Needed to Diagnose Acute Stroke in the Emergency Department?: Too Many Cooks Might Spoil the Broth. *JAMA Neurol*. 2016 Sep 6. doi: 10.1001/jamaneurol.2016.2527. [Epub ahead of print] PubMed PMID: 27599026.
3. **Avasarala J**. Stroke Diagnosis and Treatment in the Emergency Department-Reply. *JAMA Neurol*. 2017 Mar 1;74(3):362-363. doi: 10.1001/jamaneurol.2016.5564. PubMed PMID: 28114619.
4. **Avasarala J**. Letter re: Gray matter MRI differentiates neuromyelitis optica from multiple sclerosis using random forest. *Neurology*. 2017 May 9;88(19):1875. doi: 10.1212/WNL.0000000000003929. PubMed PMID: 28483993.
5. **Avasarala J**, Jain S, Urrea-Mendoza E. Approach to Fingolimod-Induced Lymphopenia in Multiple Sclerosis Patients: Do We Have a Roadmap? *J Clin Pharmacol*. 2017 May 25. doi: 10.1002/jcph.945. [Epub ahead of print] PubMed PMID: 28543950.
6. **Avasarala J**, Sotirchos ES, Bhargava P, Calabresi PA. Safety and immunologic effects of high- vs low-dose cholecalciferol in multiple sclerosis. *Neurology*. 2016 Jul 26;87(4):445-6. doi: 10.1212/WNL.0000000000002937. PubMed PMID: 27462039.
7. **Avasarala J**. Comment and Response. *JAMA Neurology*. 2017 Jan 23. Retrieved from <http://jamanetwork.com/pdfaccess.ashx?url=/data/journals/neur/0/>.
8. **Avasarala J**, Wesley K. Optimization of acute stroke care in the emergency department: a call for better utilization of healthcare resources amid growing shortage of neurologists in the United States. *CNS Spectr*. 2017 Feb 17:1-3. doi: 10.1017/S109285291700013X. [Epub ahead of print] PubMed PMID: 28209212.
9. **Avasarala J**. Standardization of MRI data and disability quantification in the post-EPIC era. *CNS Spectr*. 2017 Feb 9:1-2. doi: 10.1017/S1092852917000153. [Epub ahead of print] PubMed PMID: 28179041.
10. **Avasarala J**. Leptomeningeal Enhancement for Multiple Sclerosis: Another Radiological Biomarker for a Relapse? *JAMA Neurol*. 2017 Apr 3. doi: 10.1001/jamaneurol.2017.0123. [Epub ahead of print] PubMed PMID: 28384731.
11. **Avasarala J**. Redefining Acute Relapses in Multiple Sclerosis: Implications for Phase 3 Clinical Trials and Treatment Algorithms. *Innov Clin Neurosci*. 2017 Apr 1;14(3-4):38-40. eCollection 2017 Mar-Apr. PubMed PMID: 28584696; PubMed Central PMCID: PMC5451037.

12. **Avasarala J**, Sotirchos ES, Bhargava P, Calabresi PA. Safety and immunologic effects of high- vs low-dose cholecalciferol in multiple sclerosis. *Neurology*. 2016 Jul 26;87(4):445-6. doi: 10.1212/WNL.0000000000002937. PubMed PMID: 27462039.
13. **Avasarala J**. It's Time for Combination Therapies in Multiple Sclerosis. *Innov Clin Neurosci*. 2017, May – June: 14(5-6): 12-14.
14. Beale C, **Tilkemeier P**. Understanding the past to appropriately guide us in the future. *J Nucl Cardiol*. 2016 Aug;23(4):693-4. doi: 10.1007/s12350-015-0257-6. Epub 2015 Aug 14. PubMed PMID: 26271960.
15. Devani K, **Patil N**, Simons-Linares CR, Patel N, Jaiswal P, Patel P, Patel S, Savani C, Sajani K, Young M, Reddy C. Trends in Hospitalization and Mortality of Venous Thromboembolism in Hospitalized Patients With Colon Cancer and Their Outcomes: US Perspective. *Clin Colorectal Cancer*. 2016 Sep 20. pii: S1533-0028(16)30180-3. doi: 10.1016/j.clcc.2016.09.006. [Epub ahead of print] PubMed PMID: 27777043.
16. Geschwind MD, Paras N. Deutetrabenazine for Treatment of Chorea in Huntington Disease. *JAMA*. 2016 Jul 5;316(1):33-5. doi: 10.1001/jama.2016.8011. PubMed PMID: 27380339.
17. Grabowski G, Robertson RN, Barton BM, Cairns MA, **Webb SW**. Blunt Cerebrovascular Injury in Cervical Spine Fractures: Are More-Liberal Screening Criteria Warranted? *Global Spine J*. 2016 Nov;6(7):679-685. Epub 2016 Feb 23. PubMed PMID: 27781188; PubMed Central PMCID: PMC5077706. (*Dept. of Neurosurgery*)
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23. **Maddux PT, Farrell MB, Ewing JA, Tilkemeier PL.** Improved compliance with reporting standards: A retrospective analysis of Intersocietal Accreditation Commission Nuclear Cardiology Laboratories. *J Nucl Cardiol.* 2016 Nov 9. [Epub ahead of print] PubMed PMID: 27830436.
24. **Maddux PT, Farrell MB, Ewing JA, Tilkemeier PL.** Improving compliance with Intersocietal Accreditation Commission (IAC) reporting standards: A serial comparison of 523 labs over seven years. *J Nucl Cardiol.* 2017 May 4. doi: 10.1007/s12350-017-0904-1. [Epub ahead of print] PubMed PMID: 28474194.
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28. **Sharman JP, Farber CM, Mahadevan D, Schreeder MT, Brooks HD, Kolibaba KS, Fanning S, Klein L, Greenwald DR, Sportelli P, Miskin HP, Weiss MS, Burke JM.** Ublituximab (TG-1101), a novel glycoengineered anti-CD20 antibody, in combination with ibrutinib is safe and highly active in patients with relapsed and/or refractory chronic lymphocytic leukaemia: results of a phase 2 trial. *Br J Haematol.* 2017 Feb;176(3):412-420. doi: 10.1111/bjh.14447. PubMed PMID: 27982425.
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BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Fanning, S.** Update in Aggressive NHL. South Carolina Osteopathic Medical Society, Edward Via Osteopathic Medical School, Spartanburg, SC, 29 September 2016.
2. **Cosby, Otis MD** 'Believe It – Job Fit Matters: Keys to Success as an Employed Physician Leader' April 29, 2017 at the University of Tennessee-Knoxville Physician Executive MBA program at The Annual Physician Leadership Symposium 2017.
3. Heldman, E. Urrea-Mendoza, N. Mennucci, C. Zimmerman, J. Giuffrida, A. Hadley, Z. Mari, M. Burack, I. Itin, F. Revilla. Reliability of Continuous Parkinson's Assessment Using Wearables D. International Parkinson and Movement Disorder Society. 21st International Congress. June 4-9, 2017 Vancouver, BC.
4. Hadley, E. Urrea-Mendoza, N. Mennucci, C. Zimmerman, J. Giuffrida, Z. Mari, M. Burack, I. Itin, F. Revilla, D. Heldman. Wearable motion quantification and electronic diaries for long-term monitoring of Parkinson's disease International Parkinson and Movement Disorder Society. 21st International Congress. June 4-9, 2017 Vancouver, BC.
5. Fanning, Suzanne MD '**Lenalidomide Plus Rituximab (R²) in Patients With Relapsed/Refractory Marginal Zone Lymphoma: A Subset Analysis of the MAGNIFY Trial**' June 17, 2017 at The International Conference on Malignant Lymphoma - 14th annual meeting in Lugano, Switzerland
6. Tilkemeier, P. "Structured Reporting: Read It Then Report It Right", American College of Cardiology Annual Meeting 2017, Washington, DC, March 17, 2017.

PEER REVIEWED MEETING ABSTRACTS

1. **Fanning, Suzanne R.** Deconditioning in Stem Cell Transplant Cancer Patients Referred to the "Moving on [poster] 2017 BMT Tandem Meetings, American Society for Blood & Marrow Transportation, 22 Feb 2017, Orlando, FL.
2. **Campen, C.** A Retrospective Review of Two Different Antiemetic Regimens for the Prevention of Nausea and Vomiting Associated with High Dose Chemotherapy for Outpatient Autologous Stem Cell Transplantation. [poster] 2017 BMT Tandem Meetings, American Society for Blood & Marrow Transportation, 22 Feb 2017, Orlando, FL.

GHS DEPARTMENT OF OBSTETRICS & GYNECOLOGY (OBGYN)

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. Abbott JF, Pradhan A, Buery-Joyner S, Casey PM, Chuang A, Dugoff L, Dalrymple JL, **Forstein DA**, Hampton BS, Hueppchen NA, Kaczmarczyk JM, Katz NT, **Nuthalapaty FS**, Page-Ramsey S, Wolf A, Cullimore AJ; APGO Undergraduate Medical Education Committee.. To the Point: Integrating Patient Safety Education Into the Obstetrics and Gynecology Undergraduate Curriculum. *J Patient Saf.* 2016 Jul 26. [Epub ahead of print] PubMed PMID: 27465297.
2. Ahn SH, Khalaj K, Young SL, **Lessey BA**, Koti M, Tayade C. Immune-inflammation gene signatures in endometriosis patients. *Fertil Steril.* 2016 Nov;106(6):1420-1431.e7. doi: 10.1016/j.fertnstert.2016.07.005. PubMed PMID: 27475412.
3. Chen L, **Crockett A**, **Covington-Kolb S**, Heberlein E, Zhang L, Sun X. Rationale and Design of a Randomized Controlled Trial of CenteringPregnancy and Birth Outcomes. *BMC Pregnancy and Childbirth.* 2017 April 13. PMID:28403832.
4. Chen L, **Crockett AH**, **Covington-Kolb S**, Heberlein E, Zhang L, Sun X. Centering and Racial Disparities (CRADLE study): rationale and design of a randomized controlled trial of centeringpregnancy and birth outcomes. *BMC Pregnancy Childbirth.* 2017 Apr 13;17(1):118. doi: 10.1186/s12884-017-1295-7. PubMed PMID: 28403832; PubMed Central PMCID: PMC5390374.
5. **Crockett A**, Heberlein EC, Glasscock L, **Covington-Kolb S**, Shea K, Khan IA. Investing in CenteringPregnancy™ Group Prenatal Care Reduces Newborn Hospitalization Costs. *Womens Health Issues.* 2017 Jan - Feb;27(1):60-66. doi: 10.1016/j.whi.2016.09.009. PubMed PMID: 27838034.
6. **Crockett AH**, Pickell LB, Heberlein EC, Billings DL, **Mills B**. Six- and twelve-month documented removal rates among women electing postpartum inpatient compared to delayed or interval contraceptive implant insertions after Medicaid payment reform. *Contraception.* 2017 Jan;95(1):71-76. doi: 10.1016/j.contraception.2016.07.004. PubMed PMID: 27400823.
7. Dugoff L, Pradhan A, Casey P, Dalrymple JL, Abbott JF, Buery-Joyner SD, Chuang A, Cullimore AJ, **Forstein DA**, Hampton BS, Kaczmarczyk JM, Katz NT, **Nuthalapaty FS**, Page-Ramsey SM, Wolf A, Hueppchen NA. Pelvic and breast examination skills curricula in United States medical schools: a survey of obstetrics and gynecology clerkship directors. *BMC Med Educ.* 2016 Dec 16;16(1):314. PubMed PMID: 27986086; PubMed Central PMCID: PMC5162080.
8. **Eichelberger KY**, Manuck TA. Progesterone has no place in the prevention of preterm delivery: AGAINST: A call for a measured response to the OPPTIMUM trial. *BJOG.* 2016 Aug;123(9):1511. doi: 10.1111/1471-0528.14161. PubMed PMID: 27440593.
9. **Eichelberger KY**. On odds, age, and preterm birth. *BJOG.* 2016 Dec 28. doi: 10.1111/1471-0528.14464. [Epub ahead of print] PubMed PMID: 28029213.

10. **Eichelberger KY**, Doll K, Ekpo GE, Zerden ML. Black Lives Matter: Claiming a Space for Evidence-Based Outrage in Obstetrics and Gynecology. *Am J Public Health*. 2016 Oct;106(10):1771-2. doi: 10.2105/AJPH.2016.303313. PubMed PMID: 27626348.
11. Evans-Hoeker E, **Lessey BA**, Jeong JW, Savaris RF, Palomino WA, Yuan L, Schammel DP, Young SL. Endometrial BCL6 Overexpression in Eutopic Endometrium of Women With Endometriosis. *Reprod Sci*. 2016 Sep;23(9):1234-41. doi: 10.1177/1933719116649711. PubMed PMID: 27222232. (*also posted in Pathology*)
12. Evans E, Matteson K, Orejuela F, Alperin M, Balk E, El-Nashar S, Gleason J, Grimes C, Jeppson P, Mathews C, **Wheeler TL**, Murphy M. Salpingo-oophorectomy at the Time of Benign Hysterectomy: A Systematic Review. *Obstet Gynecol*. Sep 2016; 128 (3): 476-85. PMID: 27500347.
13. **Fox CW**, Young SL, Jeong J, Palomino WA, **Lessey BA**. BCL6 and Sirt1 expression in unexplained infertility versus unexplained recurrent pregnancy loss. *Fertility and Sterility* September 2016 Volume 106, Issue 3, Supplement, Page e219. <http://dx.doi.org/10.1016/j.fertnstert.2016.07.630>.
14. **Fox CW**, Azores-Gococo D, Swart L, Holoch K, Savaris RF, **Likes CE, Miller PB, Forstein DA, Lessey BA**. Luteal phase HCG support for unexplained pregnancy loss – a low hanging fruit? *Reproductive BioMedicine Online*. 2017 Mar 01;34(3):319-324. doi: 10.1016/j.rbmo.2016.11.016. 2016 Dec 21. PMID: 28041830
15. **Fox CW, Lessey BA, Miller PB**. Do I Really Need to Stop Taking Estrogen? Greenville, South Carolina: GHS Proceedings; 2016 Nov;1(2):92-3.
16. Fryer K, Keiser S, Trofatter K, **Eichelberger KY**, Heberlein E. The role of race/ethnicity in cerclage efficacy. *J Matern Fetal Neonatal Med*. 2016 Nov 16:1-4. doi: 10.1080/14767058.2016.1249843. [Epub ahead of print] PubMed PMID: 27774834.
17. Gray SL, Lackey BR, **Boone WR**. Effects of Panax ginseng, zearalenol, and estradiol on sperm function. *J Ginseng Res*. 2016 Jul;40(3):251-9. doi: 10.1016/j.jgr.2015.08.004. Epub 2015 Aug 24. PubMed PMID: 27616901; PubMed Central PMCID: PMC5005360.
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19. Keenan-Devlin L, Ernst L, Ross K, Qadir S, Grobman W, Holl J, **Crockett A**, Miller G, Borders A. Maternal Income during Pregnancy is Associated with Chronic Placental Inflammation at Birth. *Am J perinatal*. 2017 Apr 6. PMID:28384838.
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21. Lane A, Williams S, **Keiser S, Elder J**. Body of Knowledge. *Obstetrics and Gynecology*. 2016 October. 128: 43S. doi: 10.1097/01.aog.0000502675.66289.73.
22. Lane A, Williams S, **Keiser S, Elder J**. Body of Knowledge: Using Prosections to Teach Pelvic Anatomy in OBGYN Residency. *GHS Proceedings*. June 2017; 2 (1): 32-37.
23. Lefringhouse JR, **Elder JW**, Baldwin LA, Miller RW, DeSimone CP, van Nagell JR Jr, Samoyoa LM, West DS, Dressler EV, Liu M, Ueland FR. Prospective Validation of an Intraoperative Algorithm to Guide Surgical Staging in Early Endometrial Cancer. *Gynecol Oncol*. 2017 Apr;145(1):50-54. doi: 10.1016/j.ygyno.2017.01.032. Epub 2017 Feb 9.
24. Lingenfelter BM, Jiang X, Schnatz PF, O'Sullivan DM, Minassian SS, **Forstein DA**. CREOG In-Training Examination Results: Contemporary Use to Predict ABOG Written Examination Outcomes. *J Grad Med Educ*. 2016 Jul;8(3):353-7. doi: 10.4300/JGME-D-15-00408.1. PubMed PMID: 27413437; PubMed Central PMCID: PMC4936852.
25. Mendes da Silva D, Azevedo Gross L, de Paula Guedes Neto E, **Lessey BA**, Savaris RF. The Use of Resveratrol as an Adjuvant Treatment of Pain in Endometriosis: A Randomized Clinical Trial. *J. Endocr. Soc.* (2017) 1 (4): 359-369. DOI: <https://doi.org/10.1210/js.2017-00053>. Published: 15 March 2017.
26. Miller G, Borders A, **Crockett A**, Ross K, Qadir S, Keenan-Devlin L, Leigh A, Ham P, Ma J, Arevalo J, Ernst L, Cole S. Maternal Socioeconomic Disadvantage is Associated with Transcriptional Indications of Greater Immune Activation and Slower Tissue Maturation in Placental Biopsies and Newborn Cord Blood. *Brain, Behavior and Immunity*. 2017 April. PMID:28434870.
27. **Miller PB**, Savaris RF, **Forstein DA, Likes CE**, Nichols C, Cooper LJ, **Lessey BA**. Laparoscopic surgery improves pregnancy outcomes in women with suspected endometriosis with or without pathological confirmation. *Clin Exp Obstet Gynecol*. 2016;43(1):31-6. PubMed PMID: 27048014.
28. **Nuthalapaty FS, Higdon HL, Forstein DA**, Smith SE, DeCesare JZ, Shephard CJ, Higgins RV, Ray CH, Savage AH, Zite NB, Kuper SG, Brost BC. *Gynecology and Obstetrics Fundamentals of Residency: Internship Training (GO FOR IT) Trial*. *GHS Proceedings, Greenville, South Carolina*. November 2016; 1(2):105-112.
29. **Nuthalapaty FS**, Lewis TFF, Zinski A, Jackson JR. The Relationship Between Clerkship Allocation Method and Specialty Choice. *GHS Proceedings, Greenville, South Carolina*. (in press).
30. Olivera CK, Meriwether K, El-Nashar S, Grimes CL, Chen CC, Orejuela F, Antosh D, Gleason J, Kim-Fine S, **Wheeler T**, McFadden B, Balk EM, Murphy M; Systematic Review Group for the Society of Gynecological Surgeons. Nonantimuscarinic treatment for overactive bladder: a systematic review. *Am J Obstet Gynecol*. 2016 Jul;215(1):34-57. doi: 10.1016/j.ajog.2016.01.156. Review. PubMed PMID: 26851599.
31. Reiter JL, Drendel HM, Chakraborty S, **Schellinger M**, Lee MJ, Mor G. Cytogenetic features of human trophoblast cell lines SWAN-71 and 3A-subE. *Placenta*. 2017 April. 52: 17-20. doi: 10.1016/j.placenta.2017.02.010.

32. **Schellinger MM**, Abernathy MP, Amerman B, May C, Foxlow LA, Carter AL, Barbour K, Luebbehusen E, Ayo K, Bastawros D, Rose RS, Haas DM. Improved Outcomes for Hispanic Women with Gestational Diabetes Using the Centering Pregnancy[©] Group Prenatal Care Model. *Matern Child Health J*. 2016 Jul 16. [Epub ahead of print] PubMed PMID: 27423239.
33. Taylor HS, Giudice LC, **Lessey BA**, Abrao MS, Kotarski J, Archer DF, Diamond MP, Surrey E, Johnson NP, Watts NB, Gallagher JC, Simon JA, Carr B, Dmowski WP, Leyland N, Rowan JP, Duan WR, Ng J, Schwefel B, Thomas JW, Jain RI, Chwalisz K. Treatment of Endometriosis-Associated Pain with Elagolix, an Oral GnRH Antagonist. *N Engl J Med*. 2017 May 19. doi: 10.1056/NEJMoa1700089. PubMed PMID: 28525302.
34. Tollånes MC, Strandberg-Larsen K, **Eichelberger KY**, Moster D, Lie RT, Brantsæter AL, Meltzer HM, Stoltenberg C, Wilcox AJ. Intake of Caffeinated Soft Drinks before and during Pregnancy, but Not Total Caffeine Intake, Is Associated with Increased Cerebral Palsy Risk in the Norwegian Mother and Child Cohort Study. *J Nutr*. 2016 Sep;146(9):1701-6. doi: 10.3945/jn.116.232272. Epub 2016 Aug 3. PubMed PMID: 27489007; PubMed Central PMCID: PMC4997283.

BOOK AND BOOK CHAPTERS

1. **Wang LTH**. Extramammary Paget disease of the vulva – Chapter 36. *Gynecological Dermatology: Symptoms, Signs and Clinical Management*. Editors: Gudula Kirtschig, Susan M Cooper. Published by JP Medical Ltd. 2016.

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Crockett A**. Update on Zika Virus and the South Carolina Experience. South Carolina OBGYN Society Annual Meeting. Charleston, South Carolina. September 2016.
2. **Crockett A**. Better together; expanding group prenatal care in South Carolina. CityMatCH Annual Urban MCH Leadership Conference. Philadelphia, Pennsylvania. September 2016.
3. **Dellinger EH**. Fetal Intracranial Anatomy. 36th Annual Medical Ultrasound Symposium at the University of North Carolina, Wilmington, North Carolina. March 4, 2017.
4. **Eichelberger K**. Optimizing progesterone therapy in the days after OPPTIMUM: What's an Obstetrician to Do? South Carolina OBGYN Society Annual Meeting. Charleston, South Carolina. September 2016.
5. **Eichelberger KY**. The Need for Workforce Diversity in Maternal-Fetal Medicine. SMFM National Meeting, Special Focus Group. Las Vegas, Nevada. January 23, 2017.
6. **Eichelberger KY**. Gender Equity in Academic Medicine. SMFM National Meeting, Special Focus Group. Las Vegas, Nevada. January 24, 2017.
7. **Forstein DA**. Kick start the morning-REI new hot topics/Stump the Doc. 84th Annual ACOOG Conference. Palm Springs, California. March 30, 2017.

8. **Forstein DA.** Managing Patients with Secondary Amenorrhea. 84th Annual ACOOG Conference. Palm Springs, California. March 30, 2017.
9. **Holmes M.** The need for adolescent- specific reproductive health care in SC. SC Board of Pharmacy testimony. Columbia, South Carolina. January 18, 2017.
10. **Holmes M.** Who's Teaching Sex Ed and What Are They Teaching? North American Society for Pediatric and Adolescent Gynecology Annual Clinical and Research Meeting. Chicago, Illinois. April 20 2017.
11. **Holmes M.** Adolescent Pregnancy Prevention. American Congress of Obstetricians and Gynecologists Annual Clinical Meeting. San Diego, California. May 6, 2017.
12. **Holmes M.** Talking to Children about Sexuality. American Congress of Obstetricians and Gynecologists Annual Clinical Meeting. San Diego, California. May 8, 2017.
13. **Lessey BA.** Potential protein/peptide based blood biomarkers. Serves on Endometriosis Biomarker Advisory Board – Abbvie. Chicago, Illinois, June 12, 2017.
14. **Lessey BA.** “Endometriosis - Update on Diagnosis and Treatment”. StartART Annual Conference, Las Vegas, Nevada. August 5, 2016.
15. **Lessey BA.** “PCOS-Overview and Genetic Risks”. StartART Annual Conference, Las Vegas, Nevada. August 5, 2016.
16. **Lessey BA.** Optimizing Endometrial Receptivity, Chair - Interactive Symposium. American Society for Reproductive Medicine Annual Meeting. Salt Lake City, Utah. October 15 – 19, 2016.
17. **Lessey BA.** BCL6 and Sirt1 Expression in Unexplained Infertility, Greenville Health System Cancer Institute. Greenville, South Carolina. November 7, 2016.
18. **Lessey BA.** T-118 Aberrant Over-Expression of SIRT1 and K-Ras Reveals a Mechanism for Progesterone Resistance in Women with Endometriosis. Poster presented at 64th Annual Meeting of the Society for Reproductive Investigation. Orlando, Florida. March 15-18, 2017.
19. **Lessey BA.** RNA Binding Protein, HuR/TTP Axis in Endometriosis. Poster presented at 64th Annual Meeting of the Society for Reproductive Investigation. Orlando, Florida. March 17, 2017.
20. **Lessey BA.** Immune Basis of Infertility. Invited speaker at Mini-Symposium II. 64th Annual Meeting of the Society for Reproductive Investigation. Orlando, Florida. March 17, 2017.
21. **Lessey BA.** Pro-Inflammatory Effects of IL-33 in Endometriosis.” Poster presented at 64th Annual Meeting of the Society for Reproductive Investigation. Orlando, Florida. March 18, 2017.

22. **Lessey BA.** Endometriosis. Guest Lecture at Reproductive Endocrinology & Infertility Series, Department of Obstetrics and Gynecology, Brigham and Women's Hospital, Harvard Medical School. Boston, Massachusetts. March 29, 2017.
23. **Lessey BA.** New Thoughts on Endometriosis and Fertility. Invited Seminar Moderator, 13th World Congress on Endometriosis. Vancouver, British Columbia, Canada, May 17 – 20, 2017.
24. **Lessey BA.** Unraveling the Mystery of Infertility and Endometriosis. Invited Chair, Pre-Congress Course, 13th World Congress on Endometriosis. Vancouver, British Columbia, Canada, May 17 – 20, 2017.
25. **Mills BB, Crockett A, Van Deman J,** Heberlein E. Utilization of Immediate Postpartum Etonorgestrel American Society for Reproductive Medicine Annual Meeting. Salt Lake City, Utah. October, 2016.
26. **Nuthalapaty FS.** Five Pearls from Sir William Osler (or things that I wish someone had told me before I went to Medical School). Alpha Epsilon Delta Honor Society. Furman University, Greenville, South Carolina. January 2017.
27. **Nuthalapaty FS.** Five Reasons not to become a Maternal-Fetal Medicine Physician. Alpha Epsilon Delta Honor Society. Clemson University, Clemson, South Carolina. March 2017.
28. **Puls L.** Cancer: The Oncologist's Council for the Counselor. Medicine and Faith Conference: Facing the Trials of Cancer and Obesity. Westminster Theological Seminary, Philadelphia, Pennsylvania. September 21, 2016.
29. **Roudebush WE,** Hill LK Jr. Significant Impact of Body Mass Index on a Modified Sperm Motility-Morphology Algorithm. American Society for Reproductive Medicine Scientific Congress & Expo, Salt Lake City, Oct 15-19, 2016. (poster)
30. **Wiper DW.** Endometrial Cancer: An Update. SC OB/GYN Society Meeting, Charleston, South Carolina. September 16, 2016.

PEER REVIEWED MEETING ABSTRACTS

1. **Crockett A.** The South Carolina Centering Pregnancy Expansion Project: Improving racial disparities in preterm birth. Society for Maternal Fetal Medicine Award of Research Excellence, Poster Session IV, Abstract 728. Awarded at 37th Annual Meeting in Las Vegas, Nevada, January 2017.
2. Desrochers T, Holmes L, Guo Q, O'Donnell L, Shuford S, **Puls L, Elder, JW,** Edenfield J, Crosswell H. Complex, 3D Tissues for Modeling the Immune Response in Cancer and Predicting the Activity of Immunotherapies. American Association of Cancer Research, 2016.
3. Diamond MP, Simon J, **Lessey BA,** Taylor HS, Rowan JP, Chwalisz K, Schwefel B, Thomas JW, Jain RH, Williams LA. The Effect of Elagolix On The Endometrium: Safety Results From Two Randomized, Placebo-Controlled Studies in Women With Endometriosis-Associated Pain. (O-

- 232) American Society for Reproductive Medicine 2016 Annual Meeting, Salt Lake City, Utah, October 15 – 19, 2016.
4. **Fox CW**, Young SL, Jeong J, Palomino WA, **Lessey BA**. BCL6 and Sirt1 Expression in Unexplained Infertility Versus Unexplained, Recurrent Pregnancy Loss. (P-299) American Society for Reproductive Medicine 2016 Annual Meeting, Salt Lake City, Utah, October 15 – 19, 2016.
 5. Heberlein E, **Covington-Kolb S, Crockett A**, Glasscock L, Shea K, Khan I. “CenteringPregnancy Reduces Newborn Hospitalization Costs.” Poster Presentation. CityMatCH Annual Urban MCH Leadership Conference, Philadelphia, Pennsylvania. September 2016.
 6. Hoff HS, Yuan L, **Lessey BA**, Young SL. Complex Differential Expression Of Colony Stimulating Factor (Csf) Ligands And Receptors In The Human Endometrium. (0-25) American Society for Reproductive Medicine 2016 Annual Meeting, Salt Lake City, Utah, October 15 – 19, 2016.
 7. **Lessey BA**, Diamond MP, Simon JA, Duan WR, Thomas JW, Chwalisz K. The effect on Elagolix on the endometrium: Results from two randomized, placebo-controlled studies in women with endometriosis-associated pain. 13th World Congress on Endometriosis. Vancouver, British Columbia, Canada. May 17 – 20, 2017.
 8. Savaris R, da Silva DM, Gross L, **Lessey BA**. The use of resveratrol for pain in endometriosis a randomized clinical trial. Poster presented at ESHRE (European Society of Human Reproduction and Embryology). 32nd Annual Meeting in Helsinki, Finland. July 3-6, 2016.
 9. Surrey E, Giudice LC, **Lessey BA**, Taylor HS, Williams LA, Rowan JP, Chwalisz K, Schwefel B, Thomas JW, Jain RI. Use of Elagolix For The Management of Endometriosis-Associated Pain: Secondary Efficacy Results From Two Randomized, Placebo-Controlled Studies. (P-434) American Society for Reproductive Medicine 2016 Annual Meeting, Salt Lake City, Utah, October 15 – 19, 2016.
 10. Taylor HS, Giudice LC, **Lessey BA**, Abrao M, Kotarski J, Williams LA, Rowan JP, Chwalisz K, Duan WR, Schwefel B, Thomas JW, Jain RI. Elagolix, an oral gonadotropin-releasing hormone antagonist, for the management of endometriosis-associated pain: safety and efficacy results from two double-blind, randomized, placebo-controlled studies. (P-440) American Society for Reproductive Medicine 2016 Annual Meeting, Salt Lake City, Utah, October 15 – 19, 2016.
 11. Young SL, Jeong JW, Schammel DP, **Lessey, BA**. Endometrial B-cell lymphoma 6 (BCL6) and Sirtuin 1 (SIRT1) Immunostaining are prognostic factors for implantation failure in the setting of ART. Poster presented at ESHRE (European Society of Human Reproduction and Embryology). 32nd Annual Meeting in Helsinki, Finland. July 3-6, 2016.

GHS DEPARTMENT OF ORTHOPAEDICS (INCLUDING STEADMAN HAWKINS)

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. Abildgaard JT, Bentley JC, **Hawkins RJ**, **Tokish JM**. Arthroscopic Removal of a Loose Polyethylene Glenoid Component With Bone Grafting and Patch Augmentation for Glenoid Osseous Defect. *Arthroscopy Techniques*. 2017 May 1;6(3):e529-e535. doi:10.1016/j.eats.2016.11.011. eCollection 2017 Jun. PubMed PMID: 28706796.
2. Alexander TC, Beicker C, **Tokish JM**. Arthroscopic Remplissage for Moderate-Size Hill-Sachs Lesion. *Arthrosc Tech*. 2016 Aug 29;5(5):e975-e979. eCollection 2016 Oct. PubMed PMID: 27900256; PubMed Central PMCID: PMC5123989.
3. Andrisevic E, **Westberry DE**, Pugh LI, Bagley AM, **Tanner S**, Davids JR. Correction of Tibial Torsion in Children With Cerebral Palsy by Isolated Distal Tibia Rotation Osteotomy: A Short-term, In Vivo Anatomic Study. *J Pediatr Orthop*. 2016 Oct-Nov;36(7):743-8. doi: 10.1097/BPO.0000000000000525. PubMed PMID: 27603097.
4. Antosh IJ, **Tokish JM**, Owens BD. Posterior Shoulder Instability Current Surgical Management. *Sports Health: A Multidisciplinary Approach*. 2016 Oct 3:1941738116672446.
5. Arnold A, Thigpen CA, Beattie PF, **Kissenberth MJ**, Shanley E. Overuse Physeal Injuries in Youth Athletes. *Sports Health*. 2017 Mar/Apr;9(2):139-147. doi: 10.1177/1941738117690847. Epub 2017 Feb 6. PubMed PMID: 28165873; PubMed Central PMCID: PMC5349397.
6. Bailey LB, **Thigpen CA**, **Hawkins RJ**, Beattie PF, Shanley E. Effectiveness of Manual Therapy and Stretching for Baseball Players With Shoulder Range of Motion Deficits. *Sports Health*. 2017 May/June;9(3):230-237. doi: 10.1177/1941738117702835. Epub 2017 Apr 12. PubMed PMID: 28402756.
- Brooks J**, Seeanner J, Hennessy S, Manganelli J, Crisler M, Rosopa P, Jenkins C, Anderson M, Drouin N, Belle L, Truesdail C, **Tanner S**. Interactive Tools for Measuring Visual Scanning Performance and Reaction Time. *Am J Occup Ther*. 2017 Mar/Apr;71(2):7102350010p1-20102350020p6. doi: 10.5014/ajot.2017.020461. PubMed PMID: 28218598; PubMed Central PMCID: PMC5317392. *(also in Rehabilitation – primary author)*
7. Bunta AD, Edwards BJ, Macaulay WB Jr, **Jeray KJ**, Tosi LL, Jones CB, Sietsema DL, Kaufman JD, Murphy SA, Song J, Goulet JA, Friedlaender GE, Swiontkowski MF, Dirschl DR. Own the Bone, a System-Based Intervention, Improves Osteoporosis Care After Fragility Fractures. *J Bone Joint Surg Am*. 2016 Dec 21;98(24):e109. doi: 10.2106/JBJS.15.01494. PubMed PMID: 28002377.
8. Claessen FM, Stoop N, Doornberg JN, Guitton TG, van den Bekerom MP, Ring D; Science of Variation Group. Interpretation of Post-operative Distal Humerus Radiographs After Internal

- Fixation: Prediction of Later Loss of Fixation. *J Hand Surg Am.* 2016 Oct;41(10):e337-e341. doi: 10.1016/j.jhsa.2016.07.094. PubMed PMID: 27522299. (Collaborator: **Jeray KJ, Palmer MJ**)
9. Collinge CA, Hymes R, Archdeacon M, Streubel P, Obremskey W, Weber T, Watson JT, Lowenberg D; Members of the Proximal Femur Working Group of the Southeast Trauma Consortium.. Unstable Proximal Femur Fractures Treated With Proximal Femoral Locking Plates: A Retrospective, Multicenter Study of 111 Cases. *J Orthop Trauma.* 2016 Sep;30(9):489-95. doi: 0.1097/BOT.0000000000000602. PubMed PMID: 27144821. (Collaborator: **Jeray KJ**)
10. Fixation using Alternative Implants for the Treatment of Hip fractures (FAITH) Investigators. Fracture fixation in the operative management of hip fractures (FAITH): an international, multicentre, randomised controlled trial. *Lancet.* 2017 Apr 15;389(10078):1519-1527. doi: 10.1016/S0140-6736(17)30066-1. Epub 2017 Mar 3. PubMed PMID: 28262269; PubMed Central PMCID: PMC5597430 (Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Pace TP, Porter SE, Beckish ML, Adams JD, Creek AT, Gurich RW, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
11. Gurich RW Jr, Langan JW, Teasdall RJ, Tanner SL, Sanders JL. Tourniquet Deflation Prior to 20 Minutes in Upper Extremity Intravenous Regional Anesthesia. *Hand (N Y).* 2017 Jan 1;1558944716686214. doi: 10.1177/1558944716686214. [Epub ahead of print] PubMed PMID: 28718350.
12. **Gurich RW**; Luminita Rezeanu, MD; and **Scott E. Porter, MD, MBA, FACS**. Adamantinoma of the Forearm: A Chronologic Presentation of a Slow-Growing Malignancy *GHS Proc.* June 2017;2(1):62-66 (*also posted in Pathology*)
13. **Hawkins RJ**. Recommendations for Evaluating and Selecting Appropriately Valued Outcome Measures. *Instr Course Lect.* 2016;65:587-92. PubMed PMID: 27049224
14. **Jackson LT**, Crisler M, **Tanner ST**, Brooks JO, **Jeray KJ**. Effects of Upper Extremity Immobilization and Use of a Spinner Knob on Vehicle Steering *HAND*. Article first published online: October 19, 2016. DOI: <https://doi.org/10.1177/1558944716675133>
15. Labronici PJ, Pires RE, Franco MV, Freitas R, Araújo GC, Pires e Albuquerque RS, Gameiro VS, **Jeray K**. Medial Malleolar Fractures: An Anatomic Survey Determining the Ideal Screw Length. *Ann Med Health Sci Res* 2016;6:308-10.
16. Mellema JJ, Mallee WH, Guitton TG, van Dijk CN, Ring D, Doornberg JN; Science of Variation Group & Traumaplatform Study Collaborative.. Online Studies on Variation in Orthopedic Surgery: Computed Tomography in MPEG4 Versus DICOM Format. *J Digit Imaging.* 2017 Jan 24. doi: 10.1007/s10278-016-9939-0. [Epub ahead of print] PubMed PMID: 28120143. (Collaborator: **Jeray KJ, Palmer MJ**)

17. Noonan TJ, Thigpen CA, Bailey LB, **Wyland DJ, Kissenberth M, Hawkins RJ**, Shanley E. Humeral Torsion as a Risk Factor for Shoulder and Elbow Injury in Professional Baseball Pitchers. *Am J Sports Med.* 2016 Sep;44(9):2214-9. doi:10.1177/0363546516648438. Epub 2016 Jun 8. PubMed PMID: 27281279.
18. **Porter SE.** Navigating Postgraduate Orthopaedic Surgery Education. *J Am Acad Orthop Surg.* 2017 Apr 27. doi: 10.5435/JAAOS-D-17-00226. [Epub ahead of print] PubMed PMID: 28459712.
19. **Porter SE**, Jobin CM, Lynch TS, Levine WN. Survival Guide for the Orthopaedic Surgery Match. *J Am Acad Orthop Surg.* 2017 Jun;25(6):403-410. doi: 10.5435/JAAOS-D-17-00196. PubMed PMID: 28489710.
20. **Porter SE**, Graves M. Resident Selection Beyond the United States Medical Licensing Examination. *J Am Acad Orthop Surg.* 2017 Jun;25(6):411-415. doi: 10.5435/JAAOS-D-17-00242. PubMed PMID: 28489711.
21. Ratner D, Backes J, **Tokish JM.** Arthroscopic Reduction and Balloon Humeroplasty in the Treatment of Acute Hill-Sachs Lesions. *Arthrosc Tech.* 2016 Nov 21;5(6):e1327-e1332. doi: 10.1016/j.eats.2016.08.007. eCollection 2016 Dec. PubMed PMID: 28149732; PubMed Central PMCID: PMC5263854.
22. Roberson TA, Abildgaard JT, Wyland DJ, Siffri PC, Geary SP, Hawkins RJ, Tokish JM. "Proprietary Processed" Allografts: Clinical outcomes and biomechanical properties in anterior cruciate ligament reconstruction. *Am J Sports Med.* 2017 Feb 1:363546516687540. doi: 10.1177/0363546516687540.
23. Roberson TA, Granade CM, Adams KJ, Momaya AM, Kwapisz A, Kissenberth MJ, Tolan SJ, Hawkins RJ, Tokish JM. Non-operative management versus reverse shoulder arthroplasty for treatment of three and four-part proximal humerus fractures in the elderly. *J Shoulder Elbow Surg.* 2017 Jun ;26(6):1017-1022. Published online: 2017Jan27. DOI: <http://dx.doi.org/10.1016/j.jse.2016.10.013>
24. Roberson TA, Tokish JM. Superior Capsular Reconstruction for Irreparable Rotator Cuff Tears. *Techniques in Shoulder & Elbow Surgery.* 2017 Mar 1;18(1):8-14. doi: 10.1097/BTE.0000000000000111
25. Roberson TA, Tokish JM. Acromioclavicular Joint Injuries in the Contact Athlete. *Operative Techniques in Sports Medicine.* 2016 Dec 31;24(4):254-61. <http://dx.doi.org/10.1053/j.otsm.2016.09.004>
26. Roberson TA, Wyland DJ. Meniscal Allograft Transplantation With Soft Tissue in Bone Socket Fixation: Arthroscopic Technique With Technical Pearls. *Arthrosc Tech.* 2017 Apr 24;6(2):e483-e489. doi: 10.1016/j.eats.2016.11.009. eCollection 2017 Apr. PubMed PMID: 28580271; PubMed Central PMCID: PMC5443661. Shaha JS, Cook JB, Rowles DJ, Bottoni CR, Shaha SH, **Tokish JM.** Clinical Validation of the Glenoid Track Concept in Anterior Glenohumeral Instability. *J Bone Joint Surg Am.* 2016 Nov 16;98(22):1918-23.

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28. Tokish JM, Alexander TC, Kissenberth MJ, Hawkins RJ. Pseudoparalysis: a systematic review of term definitions, treatment approaches, and outcomes of management techniques. J Shoulder Elbow Surg. 2017 Jun 30;26(6):e177-87. DOI: <http://dx.doi.org/10.1016/j.jse.2017.02.024>
29. Tokish JM, Chisholm JN, Bottoni CR, Groth AT, Chen W, Orchowski JR. Implementing an Electronic Patient-Based Orthopaedic Outcomes System: Factors Affecting Patient Participation Compliance. Military Medicine. 2017 Jan;182(1):e1626-30.
30. **Tokish JM, Kissenberth MJ, Tolan SJ, Salim TI, Tadlock J, Kellam T, Long CD, Crawford A, Lonergan KT, Hawkins RJ, Shanley E.** Resilience correlates with outcomes after total shoulder arthroplasty. J Shoulder Elbow Surg. 2017 May;26(5):752-756. doi: 10.1016/j.jse.2016.12.070. Epub 2017 Feb 10. PubMed PMID: 28190668.
31. **Tokish JM**, Lafosse L, Giacomo GD, Arciero R. Patients in Whom Arthroscopic Bankart Repair is Not Enough: Evaluation and Management of Complex Anterior Glenohumeral Instability. Instr Course Lect. 2017 Feb 15;66:79-89. PubMed PMID:28594490.
32. Washburn R 3rd, Anderson TM, Tokish JM. Arthroscopic Rotator Cuff Augmentation: Surgical Technique Using Bovine Collagen Bioinductive Implant. Arthrosc Tech. 2017 Mar 13;6(2):e297-e301. doi: 10.1016/j.eats.2016.10.008. eCollection 2017 Apr. PubMed PMID: 28580245; PubMed Central PMCID: PMC5442588. Waterman B, Owens BD, Tokish JM. Anterior Shoulder Instability in the Military Athlete. Sports Health: A Multidisciplinary Approach. 2016 Sep 30:1941738116672161.
33. Waterman BR, Chandler PJ, Teague E, Provencher MT, **Tokish JM**, Pallis MP. Short-Term Outcomes of Glenoid Bone Block Augmentation for Complex Anterior Shoulder Instability in a High-Risk Population. Arthroscopy. 2016 Sep;32(9):1784-90. doi: 10.1016/j.arthro.2016.01.051. PubMed PMID: 27132776.
34. **Watson ST, Schaller TM, Tanner SL, Adams JD, Jeray KJ.** Outcomes of Low-Energy Basicervical Proximal Femoral Fractures Treated with Cephalomedullary Fixation. J Bone Joint Surg Am. 2016 Jul 6;98(13):1097-1102.
35. **Wyland DJ**, Beicker C. Osteochondral Autograft Transfer Technique for Glenoid Osteochondral Defect. Arthrosc Tech. 2016 Aug 29;5(5):e965-e970. eCollection 2016 Oct. PubMed PMID: 27909662; PubMed Central PMCID: PMC5123990.
36. Zura R, Braid-Forbes MJ, **Jeray K**, Mehta S, Einhorn TA, Watson JT, Della Rocca GJ, Forbes K, Steen RG. Letter to the Editor in response to Drs. Safiri and Ayubi. Bone. 2016 Dec 23. pii: S8756-3282(16)30372-6. doi: 10.1016/j.bone.2016.12.010. [Epub ahead of print] PubMed PMID: 28017816
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BOOK AND BOOK CHAPTERS

1. Abildgaard JT, **Tokish JM**. The Senior Athlete. In: Madden CC, Putukian M, Young CC, McCarty EC, editors. *Netter's Sports Medicine*, 2nd ed. Philadelphia: Elsevier 2017. p 85-94.
2. Abrams JS, Bell RH, Tokish JM (eds). *Advanced Reconstruction: Shoulder 2*. 2nd ed. Rosemont, IL: AAOS;2016
3. **Creek AT, Jeray KJ**. Chapter 19: Distal Tibia Pilon: Staged Fixation – Fibular Fixation and then Tibia. In: *Fractures of the Tibia: A Clinical Casebook*. Tejwani NC (ed), Springer International Publishing: Switzerland. 2016. 211– 222.
4. Hawkins RJ, Backes JR, Bentley JC, Kissenberth MJ. Reverse Total Shoulder Arthroplasty for Rotator Cuff Tear Arthropathy. In: Abrams JS, Bell RH, Tokish JM (eds). *Advanced Reconstruction: Shoulder 2*. 2nd ed. Rosemont, IL: AAOS;2016: 447-464
5. **Jeray KJ**. Section Editor, Lower Extremity, Orthopaedic Knowledge Update: Trauma 5. American Academy of Orthopaedics. August 2016.
6. **Lazarus, D.**, Edmonds, E. W. Shoulder, Humerus, and Elbow Trauma. *Orthopaedic Knowledge Update: Pediatrics 5*. American Academy of Orthopaedics. August 31, 2016
7. Stannard JP, **Adams JD**. Chapter 42: Knee Dislocations. Lower Extremity, Orthopaedic Knowledge Update: Trauma 5. American Academy of Orthopaedics. August 2016. 523-532.
8. Tokish JM, Abrams JS. Arthroscopic Approaches in Anterior Instability with Moderate Humeral Bone Loss: the Remplissage Technique. In: Abrams JS, Bell RH, Tokish JM (eds). *Advanced Reconstruction: Shoulder 2*. 2nd ed. Rosemont, IL: AAOS;2016: 97-110

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. Lonergan KT, Tolan SJ, Kissenberth MJ, Hawkins RJ, Bentley JC, Griscom JT, Hunt Q, Granade CM, Adams KJ, Tokish JM. Younger patients do worse functionally than older patients after reverse total shoulder arthroplasty with a lateralized design. Poster Presentation. South Carolina Orthopedic Association Annual Meeting, Kiawah Island, SC. August 2016.
2. Shanley E, Salim TI, Tadlock J, Kellam T, Kissenberth MJ, Lonergan KT, Tokish JM. The Incidence and Effect of Fatty Atrophy, Positive Tangent Sign, and Rotator Cuff Tears on Outcomes After Total Shoulder Arthroplasty. Poster Presentation. South Carolina Orthopedic Association Annual Meeting, Kiawah Island, SC. August 2016.
3. Thigpen CA, Kissenberth MJ, Hunt Q, Tolan SJ, Swinehart D, Gutta CS, Roberson TA, Hawkins RJ, Tokish JM. Teres Minor Hypertrophy is a Common and Negative Predictor in Outcomes after Rotator Cuff Repair. Poster Presentation. South Carolina Orthopedic Association Annual Meeting, Kiawah Island, SC., August 2016

4. Tokish JM, Hawkins RJ, Abrams JS, Arciero RA. Challenging cases in shoulder instability: decision making and technical solutions. Instructional Course Lecture, AOSSM Annual Meeting, Colorado Springs, CO, July 2016.
5. Tokish JM, MacDonald P, Hawkins RJ, Karas S. Challenges and controversies in the separated shoulder. Instructional Course Lecture. AOSSM Annual Meeting, Colorado Springs, CO, July 2016.
6. Tokish JM, Kissenberth MJ, Tolan SJ, Lonergan KT, Hawkins RJ, Salim TI, Mercuri JM, Shanley E. Resilience Correlates to Outcomes after Total Shoulder Arthroplasty. Poster Presentation. South Carolina Orthopedic Association Annual Meeting, Kiawah Island, SC. August 2016.
7. Atwal G, Provencher MT, Lo I, Tokish JM. Challenging Cases in Shoulder Instability Decision Making and Technical Solutions. AANA Annual Meeting. Denver 2017
8. Kissenberth MJ, Shanley E, Tolan SJ, Lonergan KT, Roberson TA, Griscom JT, Adams KJ, Hawkins RJ, Tokish JM. Subscapularis Repair is unnecessary after Lateralized Reverse Shoulder Arthroplasty. Canadian Orthopedic Association, Ottawa, 2017.
9. Moderator: Jonathon Levy. Faculty: Mark Mighell, Mark Frankle, Richard J Hawkins. 3 and 4 Part Proximal Humerus Fractures -- "The Gambler" Edition. AAOS Annual Meeting, San Diego, 2017.
10. Roberson TA, Granade CM, Kissenberth MJ, Lonergan KT, Tolan SJ, Adams KJ, Hawkins RJ, Tokish JM. Non-operative management is just as good as reverse shoulder arthroplasty for treatment of three and four-part proximal humerus fractures in the elderly. AAOS Annual Meeting, San Diego, 2017
11. Shaha, JS, Shaha SH, Tokish JM. Preoperative Resilience is Predictive of Postoperative Return to Duty and Functional Outcome Scores Following Arthroscopic Bankart Repair. Poster presentation, AANA Annual Meeting, Denver, 2017
12. Shanley E, Kissenberth MJ, Brooks J, Gilliland RG, Thorpe J, Nance D, Tokish JM. Heads Up Football Training Decreases Concussion Rates in High School Football Players. AOSSM Specialty Day, San Diego, 2017
13. Shanley E, Kissenberth MJ, Brooks J, Gilliland RG, Thorpe J, Nance D, Tokish JM. Heads Up Football Training Decreases Concussion Rates in High School Football Players. AAOS Annual Meeting, San Diego, 2017
14. Shanley E, Tolan SJ, Washburn R, Tadlock J, Kellam T, Kissenberth MJ, Lonergan KT, Hawkins RJ, Tokish JM. The Incidence and Effect of Fatty Atrophy, Positive Tangent Sign, and Rotator Cuff Tears on Outcomes After Total Shoulder Arthroplasty. Poster Presentation. AAOS Annual Meeting, San Diego, 2017

15. Shanley E, Momaya AM, Kwapisz A, Kissenberth MJ, Tolan SJ, Lonergan KT, Wyland DJ, Hawkins RJ, Tokish JM. Does Functional Bracing of the Unstable Shoulder Improve Return to Play in Scholastic Athletes? AANA Annual Meeting, Denver, 2017
16. Shanley E, Momaya AM, Kwapisz A, Kissenberth MJ, Tolan SJ, Lonergan KT, Wyland DJ, Hawkins RJ, Tokish JM. Non-Operative vs. Operative Management of Posterior Shoulder Instability: Evidence to Support Decision Making in the Scholastic Athlete. Poster presentation, AANA Annual Meeting, Denver, 2017
17. Shanley E, Momaya AM, Kwapisz A, Kissenberth MJ, Tolan SJ, Lonergan T, Wyland DJ, Hawkins RJ, Tokish JM. Non-Operative vs. Operative Management of Posterior Shoulder Instability: Evidence to Support Decision Making in the Scholastic Athlete. Poster presentation, Canadian Orthopedic Association, Ottawa, 2017.
18. Shanley E, Tolan SJ, Washburn R, Tadlock J, Kellam T, Kissenberth MJ, Lonergan KT, Hawkins RJ, Tokish JM. The Incidence and Effect of Fatty Atrophy, Positive Tangent Sign, and Rotator Cuff Tears on Outcomes After Total Shoulder Arthroplasty. Poster presentation, Canadian Orthopedic Association, Ottawa, 2017.
19. Thigpen CA, Kissenberth MJ, Hunt Q, Tolan SJ, Swinehart SD, Gutta CS, Roberson TA, Hawkins RJ, Tokish JM. Teres Minor Hypertrophy Is A Common And Negative Predictor Of Outcomes After Rotator Cuff Repair. ASES Specialty Day, San Diego, 2017.
20. Tokish JM, Arciero RA, Di Giacomo G, Lafosse L. New Frontiers in Shoulder Instability: From Cutting Open to Cutting Edge and Back Again. Instructional Course Lecture. AAOS Annual Meeting, San Diego, 2017
21. Tokish, JM. AAOS-JOA Combined ICL: How to deal with bone loss in unstable shoulder, AAOS Annual Meeting, San Diego, 2017
22. Tokish JM, Shanley E, Kissenberth MJ, Tolan SJ, Lonergan KT, Granade CM, Roberson TA, Abildgaard JT, Hawkins RJ. The Effect of Critical Shoulder Angle, Acromial Humeral Distance, Acromial Index, Center of Rotation, and Deltoid Lever Arm on Outcomes and Range of Motion in Patients Undergoing Reverse Total Shoulder Arthroplasty. AAOS Annual Meeting, San Diego, CA. 2017
23. Tokish JM, Barber A, Getelman M, Ryu R. State of the Art Grafts and Patches in Rotator Cuff Surgery: Augmentation, Interpositions, Superior Capsular Reconstruction and Bio-inductive Implant. AANA Annual Meeting, Denver, CO. 2017
24. Tokish, JM. Improved Return To Play In Intercollegiate Contact Athletes Following Arthroscopic Stabilization For Anterior Shoulder Instability: A Prospective Multicenter Study. ISAKOS 2017, Shanghai, China, June 2017.

25. Watson S, Gudger G, Tokish JM, Tolan SJ. Outcomes of Trabecular Metal Glenoid Components in Total Shoulder Arthroplasty. Poster Presentation. AAOS Annual Meeting, San Diego, CA. 2017
26. **Creek AT**, Stasikelis P. Tibial Rotation Osteotomies in a Matched Cohort of Myelodysplasia and Cerebral Palsy Patients. South Carolina Orthopaedic Association, Kiawah Island, SC. August 4-6, 2016.
27. **Moody MC, Weatherby B**. Intramedullary Nail Fixation of the Fibula as a Treatment Alternative of Ankle Fractures in a High Risk Patient Population. South Carolina Orthopaedic Association, Kiawah Island, SC. August 4-6, 2016.
28. **Price DM, Poole AS, Shirley BR, Burnikel BG**, Cooke CE. The effect of intravenous tranexamic acid and epsilon aminocaproic acid on reducing transfusion rates and blood loss in primary total hip arthroplasty, is one more effective? South Carolina Orthopaedic Association, Kiawah Island, SC. August 4-6, 2016.
29. Petrisor B, **Jeray K**, Sprague S, McKay P, Guyatt G, Walkter SD, Schemitsch E, Liew S, Heels-Ansdell D, Makosso-Kallyth S, Bhandari M, FLOW Investigators. Health-Related Quality of Life Following Operative Management of Open Fractures. Orthopaedic Trauma Association, Basic Science Forum. National Harbor, MD. October 5-6, 2016. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
30. Petrisor B, **Jeray K**, Sprague S, McKay P, Guyatt G, Walkter SD, Schemitsch E, Liew S, Heels-Ansdell D, Makosso-Kallyth S, Bhandari M, FLOW Investigators. Health-Related Quality of Life Following Operative Management of Open Fractures. Orthopaedic Trauma Association. National Harbor, MD. October 6-8, 2016. Poster. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
31. Tornetta P, Della Rocca G, Morshed S, Jones C, Heels-Ansdell D, Sprague S, Petrisor B, **Jeray K**, Bhandari M, FLOW Investigators. What Factors are Associated with Infection in Open Fractures: A Predictive Model Based on a Prospective Evaluation of 2338 Patients. Orthopaedic Trauma Association. National Harbor, MD. October 6-8, 2016. (Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)

32. Sprague S, Tornetta P, Slobogean G, O'Hara N, McKay P, Heels-Ansdell D, Petrisor B, **Jeray K**, Schemitsch E, Sanders D, Bhandari M, FLOW Investigators. Are Large Clinical Trials in Orthopaedic Trauma Justified. Orthopaedic Trauma Association. National Harbor, MD. October 6-8, 2016. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
33. Bhandari M, **Jeray K**, Petrisor B, Anglen J, Della Rocca G, Devereaux PJ, Heels-Ansdell D, Jones C, Kreder H, Liew S, Madden K, Makosso-Kallyth S, McKay P, Papp S, Sancheti P, Schemitsch E, Sprague S, **Tanner S**, Tornetta P, Tufescu T, Walter SD, Guyatt G, Flow Investigators. Prognostic Factors Predicting Re-Operations After Operative Management of Open Fractures. Orthopaedic Trauma Association. National Harbor, MD. October 5-6, 2016. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
34. Busse J, Makosso-Kallyth S, Petrisor B, Jeray K, Tufescu T, Laflamme GY, McKay P, McCabe R, Le Manach Y, Bhandari M, FLOW Investigators. Patient Coping and Expectations About Recover Predict Development of Chronic Post-Surgical Pain, Pain Interference and Reduced Quality of Life After Traumatic Open Extremity Fracture. Orthopaedic Trauma Association. National Harbor, MD. October 5-6, 2016. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
35. **Jackson LT, Koerner M, Tanner SL**, McKay J, **Snider RG**, Brooks JO, **Jeray KJ**. Vehicle Steering Errors and Reaction Time Following Distal Radius Fracture Surgical Fixation. Southeastern Fracture Symposium, January 27, 2017. Greenville, SC. (3rd Place Poster Presentation)
36. Bhandari M, **Jeray K**, Petrisor B, Anglen J, Della Rocca G, Devereaux PJ, Heels-Ansdell D, Jones C, Kreder H, Liew S, Madden K, Makosso-Kallyth S, McKay P, Papp S, Sancheti P, Schemitsch E, Sprague S, **Tanner S**, Tornetta P, Tufescu T, Walter SD, Guyatt G, Flow Investigators. Prognostic Factors Predicting Re-Operations After Operative Management of Open Fractures. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017.

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37. Busse J, Makosso-Kallyth S, Petrisor B, Jeray K, Tufescu T, Laflamme GY, McKay P, McCabe R, Le Manach Y, Bhandari M, FLOW Investigators. Patient Coping and Expectations About Recover Predict Development of Chronic Post-Surgical Pain, Pain Interference and Reduced Quality of Life After Traumatic Open Extremity Fracture. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017.. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
38. Petrisor B, **Jeray K**, Sprague S, McKay P, Guyatt G, Walter SD, Schemitsch E, Liew S, Heels-Ansdell D, Makosso-Kallyth S, Bhandari M, FLOW Investigators. Health-Related Quality of Life Following Operative Management of Open Fractures. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
39. **Huntington WP**, Brennan S, Marks RM. Functional Range of Motion Following Total Ankle Replacement. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017.
40. **Huntington WP**, Marks RM. Mid-term Outcomes of the Crescentic Oblique Basilar Resection Arthroplasty (COBRA) for Advanced Hallux Valgus and Hallux Rigidus. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017.
41. Sprague S, Tornetta P, Slobogean G, O'Hara N, McKay P, Petrisor B, Jeray K, Schemitsch E, Sanders D, Bhandari M, FLOW Investigators. Are Large Clinical Trials in Orthopaedic Trauma Justified. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017. Poster P500.
42. Tornetta P, Della Rocca G, Morshed S, Jones C, Heels-Ansdell D, Sprague S, Petrisor B, Jeray K, Bhandari M, FLOW Investigators. What Factors are Associated with Infection in Open

Fractures: A Predictive Model Based on a Prospective Evaluation of 2338 Patients. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017. Poster P548.

43. **Bray, C. C., Porter, S. E.**, AAMC Annual Meeting, "Innovative Tools and Approaches to Simplify the Lives of Program Directors. Does your department have a brand? Interview day: how do we get there?," Seattle, WA. November 2016.
44. FULLER, S., **Faucher, G.**, FORTHMAN, C., ZIMMERMAN, N., "A Surgical Technique for Rapid, Tensionless Repair of Pronator Quadratus Following Volar Distal Radius Plating," American Society for Surgery of the Hand, Austin, TX. 2016.
45. **Faucher, G.**, Means Jr., K., ZIMMERMAN, N., American Society For Surgery of the Hand Annual Meeting, "Generating Differential Ligamentotaxis Across the Radiocarpal Joint," American Society for Surgery of the Hand, Austin, TX. 2016.
46. **Faucher, G.**, Doctors Demystify Wound Care, "Management of Open Wounds & Management of Clean Incisions," Curtis National Hand Center, Baltimore, MD. 2016.
47. **Folk, J. W.**, Annual Scientific Meeting, "Instructional Course Lecture: Practice management and compliance," International Society for Hip Arthroscopy, San Francisco, CA. October 2016.
48. **Huntington, W. P.**, Brennan, S., Davis, W. H., Annual Meeting, "Functional Range of Motion Following Total Ankle Replacement," Poster Presentation American Orthopedic Foot and Ankle Society. 2016.

PEER REVIEWED MEETING ABSTRACTS

1. Petrisor B, **Jeray K**, Sprague S, McKay P, Guyatt G, Walkter SD, Schemitsch E, Liew S, Heels-Ansdell D, Makosso-Kallyth S, Bhandari M, FLOW Investigators. Health-Related Quality of Life Following Operative Management of Open Fractures. Orthopaedic Trauma Association, Basic Science Forum. National Harbor, MD. October 5-6, 2016. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
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7. Bhandari M, **Jeray K**, Petrisor B, Anglen J, Della Rocca G, Devereaux PJ, Heels-Ansdell D, Jones C, Kreder H, Liew S, Madden K, Makosso-Kallyth S, McKay P, Papp S, Sancheti P, Schemitsch E, Sprague S, **Tanner S**, Tornetta P, Tufescu T, Walter SD, Guyatt G, Flow Investigators. Prognostic Factors Predicting Re-Operations After Operative Management of Open Fractures. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
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9. Petrisor B, **Jeray K**, Sprague S, McKay P, Guyatt G, Walter SD, Schemitsch E, Liew S, Heels-Ansdell D, Makosso-Kallyth S, Bhandari M, FLOW Investigators. Health-Related Quality of Life Following Operative Management of Open Fractures. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017. (Presenter: **Jeray KJ**, Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; Site Coordinators- **Tanner SL, Snider RG, Bielby SA, Teasdall RJ**)
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11. **Huntington WP**, Marks RM. Mid-term Outcomes of the Crescentic Oblique Basilar Resection Arthroplasty (COBRA) for Advanced Hallux Valgus and Hallux Rigidus. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017.

12. Sprague S, Tornetta P, Slobogean G, O'Hara N, McKay P, Petrisor B, Jeray K, Schemitsch E, Sanders D, Bhandari M, FLOW Investigators. Are Large Clinical Trials in Orthopaedic Trauma Justified. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017. Poster P500. (Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; **Site Coordinators- Tanner SL**, Snider RG, Bielby SA, Teasdall RJ)

13. Tornetta P, Della Rocca G, Morshed S, Jones C, Heels-Ansdell D, Sprague S, Petrisor B, Jeray K, Bhandari M, FLOW Investigators. What Factors are Associated with Infection in Open Fractures: A Predictive Model Based on a Prospective Evaluation of 2338 Patients. American Academy of Orthopaedic Surgeons 2017. San Diego, CA. March 14-18, 2017. Poster P548. (Study Co-Principal Investigator- **Jeray KJ**, Steering Committee -**Jeray KJ**; Adjudication Committee-**Jeray KJ**; Writing Committee -**Jeray KJ, Tanner SL**; US Project Management: **Jeray KJ, Tanner SL, Snider BS**; Site Investigators- **Jeray KJ, Broderick JS, Goetz DR, Schaller TM, Porter SE, Beckish ML, Adams JD, Creek AT, Finley SJ, Gudger GK, Gurich RW, Langan JW, Lee J, Price DM, Torres EG**; **Site Coordinators- Tanner SL**, Snider RG, Bielby SA, Teasdall RJ)

GHS DEPARTMENT OF PATHOLOGY

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. Collins J., Jordan Brown, **Christine Schammel**, Kevin Hutson, **W. Jeffery Edenfield**. Meaningful Analysis of Small Data Sets: A Clinician's Guide GHS Proc. June 2017; 2 (1): 16-19. *(also listed in Cancer Institute)*
2. Edenfield J, **Schammel C**, Collins J, **Schammel D**, **Edenfield WJ**. Metaplastic Breast Cancer: Molecular Typing and Identification of Potential Targeted Therapies at a Single Institution. Clin Breast Cancer. 2016 Jul 25. pii: S1526-8209(16)30197-5. doi: 10.1016/j.clbc.2016.07.004. [Epub ahead of print] PubMed PMID: 27568101. *(also listed in Cancer Institute)*

Evans-Hoeker E, **Lessey BA**, Jeong JW, Savaris RF, Palomino WA, Yuan L, Schammel DP, Young SL. Endometrial BCL6 Overexpression in Eutopic Endometrium of Women With Endometriosis. Reprod Sci. 2016 Sep;23(9):1234-41. doi: 10.1177/1933719116649711. PubMed PMID: 27222232. *(also posted in OBGYN (primary author))*

Gurich RW; Luminita Rezeanu, MD; and **Scott E. Porter, MD, MBA, FACS**. Adamantinoma of the Forearm: A Chronologic Presentation of a Slow-Growing Malignancy GHS Proc. June 2017;2(1):62-66 *(also posted in Orthopaedics (primary author))*

Le VH, Brant KN, **Blackhurst DW**, **Schammel CM**, **Schammel DP**, **Cornett WR**, **McKinley BP**. The impact of the American College of Surgeons Oncology Group (ACOSOG) Z0011 trial: An institutional review. Breast 2016 Jul 29;29:117-9. PMID: 27479042 *(also listed in Surgery (primary author))*

Shah, PJ; Carmen M. Faulkner-Fennell, PharmD, BCPS; Jessica M. Odom, PharmD, BCPS, BC-ADM; John H. Schrank Jr, MD; Jennifer R. Meredith, PhD, HCLD; and Jun Wu, PhD. Impact of an Antimicrobial Stewardship-Driven Initiative to Assess Appropriateness of Asymptomatic Bacteriuria or Funguria Treatment. GHS Proc. June 2017;2(1):26-31 *(also posted in Pharmacy (primary author))*

BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. ¹Prettel D, ²Collins J, ³Schammel C, ³Schammel D, ⁴Farnsworth SE, ⁵Trocha S. Comparison of SPECT/CT and 2-D Planar Lymphoscintigraphy for Sentinel Lymph Node Biopsy in Melanoma of the Head and Neck. Society of Surgical Oncology, Seattle, WA, March 2017.

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1. Chamberlin J, Collins J, Schammel D, Schammel C, Devane A, Trocha S. Comparing Y-90 Radioembolization and DEB-TACE for Unresectable Hepatocellular Carcinoma with an Evaluation of ALBI Grade and Child-Pugh Score as Prognostic Indicators. WCIO, Boston, MA, June 2017.
2. Hood M, Sprunger H, Collins J, Schammel C, Devan A. Usefulness of Nephrometry Scoring Systems for Predicting Outcomes and Complications of Percutaneous Cryotherapy and Microwave Ablation Therapy at a Regional Medical Center. WCIO, Boston, MA, June 2017.

Young SL, Jeong JW, **Schammel DP, Lessey, BA**. Endometrial Bcell lymphoma 6 (BCL6) and Sirtuin 1 (SIRT1) Immunostaining are prognostic factors for implantation failure in the setting of ART. Poster presented at ESHRE (European Society of Human Reproduction and Embryology). Annual Meeting in Helsinki, Finland. July 3-6, 2016. *(also listed in OBGYN (primary author))*

GHS DEPARTMENT OF PEDIATRICS

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. Barlow K, Cannon A, Dankovich K, James A, Merritt M, and **Hudson, J.**: Neonatal Abstinence Syndrome: An Epidemic. Greenville Health System Proceedings. (2)1:11. June 2017.
2. Brooks, J., Kellett, J., Seeanner, J., Jenkins, C., Buchanan, C., **Kinsman, A., Kelly, DP.,** & Pierce, S. Training the motor aspects of pre-driving skills of young adults with and without autism spectrum disorder. (2016). Journal of Autism and Developmental Disorders. Online
3. **Casanova EL,** Sharp JL, Chakraborty H, Sumi, NS, **Casanova MF.** Genes with high penetrance for syndromic autism typically function within the nucleus and regulate gene expression. Molecular Autism, 7:18, 2016 DOI:10.1186/s13229-016-0082-z.
4. Chereueva E.A., Bogdasina O., **Casanova M.F.,** Li X. Modernization of the Autism Research Ideas and Development of Support Services for People with Autism in Russia: From a Regional Initiative to Globalization of Solutions. Psikhologicheskaya nauka i obrazovanie [Psychological Science and Education], October 2016. Vol. 21, no. 3, pp. 131–140. doi:10.17759/pse.2016210315. (In Russ., abstr. in Engl.)
5. Dickes L, Summey J, Mayo R, **Hudson J,** Sherrill WW, Chen L. Potential for Medicaid Savings: A State and National Comparison of an Innovative Neonatal Abstinence Syndrome Treatment Model. Popul Health Manag. 2017 Apr 14. doi: 10.1089/pop.2016.0158. [Epub ahead of print] PubMed PMID: 28409699. *(also listed in HSC Scholars)*
1. DuBois D, Ameis SH, Lai MC, **Casanova MF,** Desarkar P. Interoception in autism spectrum disorder: a review. Int J Dev Neuroscience 52:104-11, August 2016 doi:10.1016/j.ijdevneu.2016.05.001
2. **Estate M. Sokhadze, Manuel F. Casanova,** Ayman S. El-Baz, Heba Elsayed Farag, Xiaoli Li, Yao Wang.: TMS-based Neuromodulation of Evoked and Induced Gamma Oscillations and Event-related Potentials in Children with Autism, Neuroregulation, Vol. 3(3):101–126 2016
3. **Estate M. Sokhadze, Manuel F. Casanova,** Allan Tasman & Sally Brockett: Electrophysiological and Behavioral Outcomes of Berard Auditory Integration Training (AIT) in Children with Autism Spectrum Disorder DOI 10.1007/s10484-016-9343-z August 29, 2016
4. Griffin M, Patil N, and **LaCroix, R:** Impact of Methicillin-Resistant Staphylococcus aureus (MRSA) Decolonization Protocol on Colonization and Infection Rates in a Level III Neonatal. Greenville Health System Proceedings. (1)2:117. November 2016.
5. Howe H 3rd, Bhatia G, Wright CC, Davis BR, **Gates RL.** Repair of Pectus Excavatum in an Adult: An Example of Disease Progression. Am Surg. 2016 Sep;82(9):785-6. PubMed PMID: 27670563.
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REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Sease, Kerry**, Having an impact first requires participation: Identifying factors contributing to childhood obesity treatment completion" APHA 2016 Annual Meeting & Expo (Oct. 29 - Nov. 2, 2016) Denver
2. **Gates RL**, Current Topics in Pediatric Surgery for the Primary Care Provider" South Carolina Academy of Pediatrics Annual Meeting (July 2016)
3. Sokhadze, E., Casanova, M., Tasman, A., and Brockett, S.: Effects of auditory integration training on mismatch negativity. Society for Psychophysiological Research (SPR) 56th Annual Meeting. Minneapolis, MN, September 21-25, 2016.
4. Sokhadze, E., Cowan, J., Wang, Y., Casanova, M., Lamina, E., and Tasman, A.: Effects of prefrontal neurofeedback on perceived emotional state and cognitive functioning in adolescents with drug abuse history: A pilot study. International Society for Neurofeedback & Research (ISNR) Conference. Orlando, FL, September 12-14, 2016.
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8. Sokhadze, G., Casanova, M. F., Kelly, D., Sokhadze, E. M.: Effects of 12 and 18 sessions of rTMS on autonomic activity in autism spectrum disorder. Presented at AAPB Annual Meeting, Chicago, IL, March 18, 2017.
9. Sokhadze, E., Kelly, D., Casanova, M.F., Tasman, A.: Neurofeedback training in high functioning children with autism. Presented at AAPB Annual Meeting, Chicago, IL, March 18, 2017.
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PEER REVIEWED MEETING ABSTRACTS

Royal, V., **Raunikar, A.** Financial Impact of Commitment to Core Prescribing Practices. 2016 Vizient Clinical Connections Summit, Dallas, TX, 29-30 September 2016 (*also listed in Pharmacy-primary author*)

1. **Sokhadze, E.M.**, El-Baz, A.S., Farag, E.M., Sokhadze, G.E., **Casanova, M.F.**, and Tasman, A.: TMS-based neuromodulation of evoked and induced gamma oscillations in autism. *Appl. Psychophysiol. Biofeedback* 41(4):443, 2016.
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GHS DEPARTMENT OF PSYCHIATRY

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

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5. **Holder, S., Warren, C, Ochonma, C.** (2017). Utilization and Demographic Trends of a Southeast Emergency Department: Psychiatric Visits by the Adult Population over a 5 Year Period. *Annals of Psychiatry and Mental Health* 5(4): 1106. [<https://www.jscimedcentral.com/Psychiatry/psychiatry-5-1106.pdf>].
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2. **Holder SM, Calvert Warren, MD, Christian Ochonma, MD, MPH.** Utilization and Demographic Trends of a Southeast Emergency Department: Psychiatric Visits by the Adult Population over a 5 Year Period. Southeastern Symposium on Mental Health, May 12 – 13, 2017.
3. **Holder, S., Warren, C., Ochonma, C.** Utilization and Demographic Trends of a Southeast Emergency Department: Psychiatric Visits by the Adult Population over a 5 Year Period. Poster presented at the Greenville Health System Annual Health Sciences Center Research Showcase. March 31, 2017.
4. **Holder, S., Peterson, Rogers, K., Ochonma, C.** Mental Health Visits: Examining Socio-Demographic and Diagnosis Trends in the Emergency Department By the Pediatric Population. Poster presented at The 63rd Annual Meeting American Academy of Child & Adolescent Psychiatry, New York, NY October 24 -29, 2016.
5. **Warren, C., Holder, SM.** Assessment and Management of the Agitated Patient in the Emergency Department: A Case Study. Southeastern Symposium on Mental Health, Greenville, SC, 12 – 13 May, 2017.

PEER REVIEWED MEETING ABSTRACTS

1. **Holder, S., Blackhurst, D. Peterson, E., Rogers, K. Ochonma, C.** (2016). Mental Health Visits: Examining Sociodemographic and Diagnosis Trends in the Emergency Department Usage by the Pediatric Population. JAACAP, 55 (10):Suppl. S115. [http://www.jaacap.com/article/S0890-8567\(16\)31279-5/abstract](http://www.jaacap.com/article/S0890-8567(16)31279-5/abstract) {Poster #1.49}

GHS DEPARTMENT OF RADIOLOGY

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1. **Hanna J.** Q&A Radiology Imaging. GHS Proc. June 2017;2(1):5-7
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1. Chamberlin J, Collins J, Schammel D, Schammel C, Devane A, Trocha S. 2017. Comparing Y-90 Radioembolization and DEB-TACE for Unresectable Hepatocellular Carcinoma with an Evaluation of ALBI Grade and Child-Pugh Score as Prognostic Indicators. WCIO. **Poster Presentation.** Boston MA. June 2017
 2. Hood M, Sprunger H, Collins J, Schammel C, Young A, Devane A. Usefulness of Nephrometry Scoring Systems for Predicting Outcomes and Complications of Percutaneous Cryotherapy and Microwave Ablation Therapy at a Regional Medical Center. WCIO. **Poster Presentation.** Boston MA. June 2017
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Bhatia G, Bolton WD, Richey JS, Ewing JA, Hale AL, Stephenson JE, Grisell DL, Devane AM, Ben-Or S. Electromagnetic Navigational Bronchoscopy is Safer than CT-guidance for Fiducial Marker Placement for Stereotactic Body Radiation Therapy in Lung Cancer Patients. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. *(poster) (also posted in Surgery (primary author))*

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GHS DEPARTMENT OF SURGERY

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2. Bolton WD, Ben-Or S, Hale AL, Stephenson JE. Reconstruction of a Long-Segment Tracheal Defect Using an AlloDerm Conduit. *Innovations (Phila)*. 2017 Mar/Apr;12(2):137-139. Epub 2017 Mar 5. PMID: 28301367
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4. Carbonell AM, Warren JA, Prabhu AS, Ballecer CD, Janczyk RJ, Herrera J, Huang LC, Phillips S, Rosen MJ, Poulouse BK. Reducing Length of Stay Using a Robotic-assisted Approach for Retromuscular Ventral Hernia Repair: A Comparative Analysis From the Americas Hernia Society Quality Collaborative. *Ann Surg*. 2017 Mar 27. [Epub ahead of print] PMID: 28350568
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6. Chawla V, Simionescu A, **Langan EM III**, LaBerge M. Influence of clinically relevant mechanical forces on vascular smooth muscle cells under chronic high glucose: An In Vitro Dynamic Disease Model. *Ann Vasc Surg* 2016 Jul;34:212-26. Epub 2016 Apr 25. PMID: 27126714
7. Cull JD, Spivey TL, Fleetwood VA, Manning BM, Chan EY. Impact of Health-Care Worker Attitudes Toward Organ Donation. *Am Surg*. 2016 Sep;82(9):242-4. PMID: 27670534
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11. Faries MB, Thompson JF, Cochran AJ, Andtbacka RH, Mozzillo N, Zager JS, Jahkola T, Bowles TL, Testori A, Beitsch PD, Hoekstra HJ, Moncrieff M, Ingvar C, Wouters MWJM, Sabel MS, Levine EA, Agnese D, Henderson M, Dummer R, Rossi CR, Neves RI, **Trocha SD**, Wright F, Byrd DR, Matter M, Hsueh E, MacKenzie-Ross A, Johnson DB, Terheyden P, Berger AC, Huston TL, Wayne JD, Smithers BM, Neuman HB, Schneebaum S, Gershenwald JE, Ariyan CE, Desai DC, Jacobs L,

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 17. **Gray BH**, Buchan JA. The Treatment of Superficial Femoral Artery In-Stent Restenosis: The Jury Is Still Out. *JACC Cardiovasc Interv* 2016 Jul 11;9(13):1393-6. PMID: 27388829
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25. Le VH, Brant KN, **Blackhurst DW, Schammel CM, Schammel DP, Cornett WR, McKinley BP**. The impact of the American College of Surgeons Oncology Group (ACOSOG) Z0011 trial: An institutional review. *Breast* 2016 Jul 29;29:117-9. PMID: 27479042 (*also in Pathology*)
26. Nealon SW, Hale AL, Haynes E, Hagood-Thompson C, Marguet CG, Ewing JA, Springhart WP. Improving Patient Outcomes and Healthcare Provider Communication with a Small, Yellow Plastic Band: the Patient URinary Catheter Extraction (PURCE) Protocol©. *Urology Practice* 2017 Feb 10. [Epub ahead of print]
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28. **Patel PP, Warren JA, Mansour R, Cobb WS 4th, Carbonell AM**. A Large Single-Center Experience of Open Lateral Abdominal Wall Hernia Repairs. *Am Surg* 2016 Jul;82(7):608-12. PMID: 27457859
29. Patel PP, Love MW, Ewing JA, Warren JA, Cobb WS, Carbonell AM. Risks of subsequent abdominal operations after laparoscopic ventral hernia repair. *Surg Endosc* 2017 Feb;31(2):823-828. Epub Jun 23, 2016. PMID: 27338579
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31. Powell BC, Webb CB, **Ewing JA, Smith DE**. Gluteal Fascial Advancement for Pilonidal Cyst Disease: A 10-year Review. *Am Surg* 2016 Jul;82(7):622-5. PMID: 27457861
32. Richey JS, Manning BM, Jones WB. Outcomes of Endoscopic Stenting for Traumatic Biliary and Pancreatic Fistulae. *Am Surg* 2016 Jul;82(7):588-93. PMID: 27457856
33. Rosen MJ, Bauer JJ, Harmaty M, **Carbonell AM, Cobb WS**, Matthews B, Goldblatt MI, Selzer DJ, Poulouse BK, Hansson BM, Rosman C, Chao JJ, Jacobsen GR. Multicenter, Prospective, Longitudinal Study of the Recurrence, Surgical Site Infection, and Quality of Life After Contaminated Ventral Hernia Repair Using Biosynthetic Absorbable Mesh: The COBRA Study. *Ann Surg*. 2017 Jan;265(1):205-211. doi: 10.1097/SLA.0000000000001601. PubMed PMID: 28009747; PubMed Central PMCID: PMC5181129.

34. Shishehbor MH, White CJ, Gray BH, Menard MT, Lookstein R, Rosenfield K, Jaff MR. Critical Limb Ischemia: An Expert Statement. *J Am Coll Cardiol*. 2016 Nov 1;68(18):2002-2015. Epub 2016 Sep 22. PMID: 27692726
35. **Scott JD**. Comment on "Decreased serum betatrophin levels correlate with improved fasting plasma glucose and insulin secretion capacity after Roux-en-Y gastric bypass in obese Chinese patients with type 2 diabetes: a 1-year follow-up". *Surg Obes Relat Dis*. 2016 Aug;12(7):1349-1350. doi: 10.1016/j.soard.2016.02.028. Epub 2016 Mar 3. PubMed PMID: 27133283.
36. **Scott JD**. Comment on: Roux-en-Y gastric bypass for the treatment of severe complications after omega-loop gastric bypass. *Surg Obes Relat Dis*. 2017 Jan 25. pii: S1550-7289(17)30047-3. doi: 10.1016/j.soard.2017.01.033. [Epub ahead of print] PubMed PMID: 28237562.
37. Scott JD, Heidrich N. Collaborative advocacy against the rising tide of obesity: a winning strategy pays off in South Carolina. *Bariatric Times*. 2017;14 (5):1,12-13.
38. Scott JD, Ewing JA, Mansour R, Love WW, McDermott S, Hale A. Use of a synthetic bioabsorbable tissue scaffold in the closure of the retro-Roux and meso-mesenteric internal hernia spaces during Roux-en-Y divided gastric bypasses leads to a significant reduction of subsequent internal hernia repairs. *Surg Obes Rel Dis* 2016: 2016(12):S52-55. (abstract)
39. Scott JD, Zhang L, Chen L, Shi L, Truong K, Hu Q, Razzaghi T, Ewing JA, Hale A. Sociodemographic Factors Associated with the Likelihood of Undergoing Bariatric Surgery in the United States. *Surg Obes Rel Dis* 2016: 2016(12):S52-55. (abstract)
40. **Warren JA, Cobb WS**, Ewing JA, **Carbonell AM**. Standard laparoscopic versus robotic retromuscular ventral hernia repair. *Surg Endosc* 2017 Jan;31(1):324-32. Epub 2016 Jun 10. PMID: 27287903
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BOOK AND BOOK CHAPTERS

1. Blas JV, Androes MP, Taylor AM. Femoropopliteal Occlusive Disease. In: Cameron JL, Cameron AL, eds. *Current Surgical Therapy*, 12th Ed. Philadelphia: Elsevier, Dec. 26, 2016.
2. Beffa LR, Warren JA. Management of Mesh Infection. In Hope W, Cobb WS, Adrales GL, eds. *Textbook of Hernia*. New York: Springer, Feb. 28, 2017.

3. Hope W, Cobb WS, Adrales GL, eds. *Textbook of Hernia*. New York: Springer, Feb. 28, 2017.
4. Patel PP, Carbonell AM. Robotic Transversus Abdominis Release. In Oleynikov D, Patel A. eds. SAGES Robotic Manual. New York: Springer, May 2017.
5. Patel PP, Carbonell AM. Laparoscopic and Robotic Ventral Hernia Repair. In Garcia Ureña MA. ed. ATLAS DE TRATAMIENTO QUIRÚRGICO DE LA PARED ABDOMINAL COMPLEJA. Madrid 2016
6. Warren JA, Carbonell AM. Emerging Technology: Robotic Retromuscular VHR chapter. In Hope W, Cobb WS, Adrales GL, eds. *Textbook of Hernia*. New York: Springer, Feb. 28, 2017.

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

Bacharach T, Wideman L, Ivey L, Hale AL, Patil N, McFadden C. Impact of Obesity on Patients with Crohn's Disease Following Major Surgery. American Society of Colon and Rectal Surgeons, Seattle, WA, June 10-14, 2017. (poster)

Bacharach T, Disbrow D, Hale AL, Mclear P, Osborn D, Ewing JA, McFadden C. Ten-year Evaluation of Colorectal Cancer in Young Patients. American Society of Colon and Rectal Surgeons, Seattle, WA, June 10-14, 2017. (poster)

Bartz MJ, Rogers ZJ, Rogers KE, Ewing JA, Hale AL, Khalil RI, Garland M, Manning BM, Kaiser ML. Criteria for Head Computed Tomography Following Ground Level Falls in the Elderly. American College of Surgeons Clinical Congress, Washington DC, Oct. 16-20, 2016. (poster)

1. Beffa L, Warren JA, Knoedler B, Carbonell AM, Cobb WS. Open Retromuscular Repair of Parastomal Hernias. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
2. Beffa LR, Cobb WS, Carbonell AM, Warren JA. Mesh reinforcement at the time of ostomy reversal. Americas Hernia Society Annual Meeting, Cancun, Mexico, March 8-11 2017.

Berglund W, Krupesh DN, Ewing JA, Gettys RH. Multi-vehicle, motorcycle accidents are more common during daylight hours: An 18-month review of motorcycle accidents from a level 1 trauma center. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)

Bhatia G, Bolton WD, Richey JS, Ewing JA, Hale AL, Stephenson JE, Grisell DL, Devane AM, Ben-Or S. Electromagnetic Navigational Bronchoscopy is Safer than CT-guidance for Fiducial Marker Placement for Stereotactic Body Radiation Therapy in Lung Cancer Patients. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)

3. Bour ES. The Economics of Surgery In the Future: A Surgeon/Administrator's Perspective. South Carolina/North Carolina Chapters American College of Surgeons 2016 Joint Annual Meeting, Myrtle Beach, SC, July 15, 2016.

4. Bour ES. The Economics of Surgery In the Future - How will We Define Surgical Quality? SAGES Meeting, Houston, TX, March 22-25, 2017.
5. Carbonell AM. Robotic Retromuscular Incisional Hernia Repair with TAR. Abdominal Wall Reconstruction Conference, MedStar Georgetown University Hospital, Washington, D.C., June 8-10, 2017.
6. Carbonell AM. Dueling Perspectives: Reconstruction with Synthetics after Mesh Infection. Abdominal Wall Reconstruction Conference, MedStar Georgetown University Hospital, Washington, D.C., June 8-10, 2017.
7. Carbonell AM. Robotic Retrorectus Ventral Hernia Repair: Patient Positioning, Robot Docking, Retrorectus Dissection, and Mesh Placement. SAGES Meeting, Houston, TX, March 22-25, 2017.
8. Carbonell AM. Controversies in Incisional Hernia Repair. The Stuart S. Roberts, MD Endowed Lectureship for Excellence in Surgical Education, The University of Illinois College of Medicine – Peoria, March 24, 2017.
9. Cobb WS. Absorbable Synthetic Mesh for complex AWR. Updates in Abdominal Wall Reconstruction Meeting, Orlando, FL, Jan. 12-14, 2017.
10. Cobb WS. Laparoscopic Ventral Hernia Repair, When I Still do it and How I do it. Updates in Abdominal Wall Reconstruction Meeting, Orlando, FL, Jan. 12-14, 2017.
11. Cobb WS. Where’s the Evidence? A Data Update on Robotic Hernia Repair. SAGES Meeting, Houston, TX, March 22-25, 2017.
12. Cobb WS. Minimally Invasive Ventral Hernia Repair- Patient Selection and Technique. SAGES Meeting, Houston, TX, March 22-25, 2017.
13. Cobb WS, MD. Strength and Scaffold: Why This Combination is so Important. Minimally Invasive Surgery Symposium, Las Vegas, NV, Feb. 28-Mar. 3, 2017.
14. Colavita PD, Coakley KM, Heniford DW, Bradley JF, Prasad T, Lincourt AE, Carbonell AM, Cobb WS, Augenstein VA, Heniford BT. External Validation of a Clinical Prediction Tool for Wound Infection in Open Ventral Hernia Repair. 39th Annual Congress of the European Hernia Society, Vienna, Austria, May 24-27, 2017.
15. Couto F, Warren JA, Kemp M, Denis R, Cobb WS, Carbonell AM. Laparoscopic vs robotic paraesophageal hernia repair. Poster presented at SAGES 2017 Annual Meeting, Houston TX, March 22-25, 2017.
16. Cull JD, Ivkovic K, Chan EY. Trauma Patients’ Attitudes Toward Organ Donation at an Urban Level I Trauma Center. American College of Surgeons Clinical Congress, Washington, DC, Oct. 16-20, 2016.
17. Cull DL. A Mobile App for Standardizing/Optimizing Upper Extremity Vascular Access Procedure Selection Based on the UCLA/RAND Appropriateness Method. Kidney Innovation Summit, Washington, DC. February 9-10, 2017.

Cull JD, Spivey TL, Fleetwood VA, Manning BM, Chan EY. Health-Care Worker Attitudes Toward Organ Donation at Two Level I Urban Trauma Centers. Southeastern Surgical Congress, Nashville, TN, February 25 – 28, 2017. (poster presentation)

Davis J, Love MW, Ewing JA, Lokey JS. The use of molecular marker panels for treatment of papillary thyroid cancer: knowing what we do not know. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)

Erwin P, Jones WB, Scott JD. Cholecystectomy Clip Migration and Subsequent Choledocholithiasis. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)

18. Fox SS, Janczyk R, Warren JA, Carbonell II AM, Poulouse BK, Rosen MJ, Hope WW. An Evaluation of Parastomal Hernia Repair using the Americas Hernia Society Quality Collaborative. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.

19. Freeman B. Rupture of Splenic Artery Aneurysm. VIVA Conference, Las Vegas, NV, Sept. 18-22, 2016.

20. Gandhi SS, Ewing JA, Gray BH. Outcomes of Mechanical Thrombectomy in Conjunction with Thrombolysis in the Treatment of Acute Limb Ischemia. Vascular and Endovascular Surgery Society, Steamboat Springs, CO, February 2-5, 2017.

Goff T, Cull JD. Intraoperative communication and the effect of navigational grids during laparoscopic cholecystectomies.. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)

21. Guo Q, Lillia Holmes, Stephen Shuford, David L. Kaplan, Brian McKinley, Mary Rippon, Wendy Cornett, Mark O'Rourke, John Rinkliff, David Schammel, Jeff Edenfield, Hal E. Crosswell, Teresa M. DesRochers. "3D Modeling of Immune Cell Interactions in Breast Cancer and Prediction of Immunotherapy Response" AACR Annual Meeting 2017, Washington, DC, April 1-5, 2017.

Grant AA, Rogers ZJ, Ewing JA, Garland M, Rogers KE, Hale AL, Khalil RI, Manning BM, Kaiser ML. Opening the "Black Box" of Trauma: Risk Factors for Thoraco-Abdominal Injuries in Geriatric Ground Level Falls. American College of Surgeons Clinical Congress, Washington DC, Oct. 16-20, 2016. (poster)

Hancock B, Marguet C, Warren JA, Cobb WS. Concurrent Laparoscopic Hernia Repair and Cystoscopic Laser Cystolitholaxapy for Urinary Bladder Calculus Contained Within a Direct Inguinal Hernia. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)

22. Kaiser M. Tracheostomies: The Basics and What Can Go Wrong. Greenville Health System, Multidisciplinary Lecture Series, Greenville, SC, July 29, 2016.

Krishna Y, Trocha SD. EOSINOPHILIC CHOLANGITIS: A SMALL CASE SERIES AND REVIEW OF THE LITERATURE. 2017 Annual Meeting of the Southeastern Surgical Congress, Nashville, TN, February 25 – 28, 2017. (poster presentation)

Krishna Y, Trocha SD. RENAL CELL CARCINOMA METASTASIS TO THE PANCREAS: A WELL-DOCUMENTED RARE EVENT. 2017 Annual Meeting of the Southeastern Surgical Congress, Nashville, TN, February 25 – 28, 2017. (poster presentation)

McGrath S, Bolton WD, Stephenson JE, Ben-Or S. Esophageal duplication cyst – absence of the pericardium. Eastern Cardiothoracic Surgical Society, St. Pete Beach, FL, Oct 19-22, 2016. (Video presentation)

McGrath S, Bassaco B, Ben-Or S, Hale AL, Ewing JA, Lowe S, Stephenson JE, Bolton WD. Impact of Sarcopenia on Complications and Survival in Patients undergoing Lobectomy for Lung Cancer. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)

Michael R, Lee VH, McKinley BP, Trocha SD. TECHNIQUES OF VIDEOSCOPIIC INGUINAL LYMPHADENECTOMY FOR METASTATIC MELANOMA. 2017 Annual Meeting of the Southeastern Surgical Congress, Nashville, TN, February 25–28, 2017. (Video presentation)

23. **Norton, D**, Ratliff, S. The Perfect Storm is on the Horizon. Association of Program Directors National Meeting. 19 April 2017, San Diego, CA.
24. **Norton, D.**, Roof, J. I am Program Coordinator...Hear Me Roar!!! ARCS Professional Development Presentation. 19 April 2017, San Diego, CA.
25. **Norton, D.** ACGME Case Log System . . . and other important requirements in Skills and Certification. New Program Coordinators Workshop, ARCS Annual Meeting, 17 April 2017, San Diego, CA.

Rochester SN, Ben-Or S, et al. Laparoscopic Repair of Paraesophageal Hernia after Gastric Pull-Up. General Thoracic Surgical Club 30th Annual Meeting, Clearwater, FL, March 9-11, 2017. (Video presentation)

26. Rochester N, Bolton WD, Richey JS, Ewing JA, Hale AL, Aiken T, Bassaco B, Stephenson JE, Ben-Or S. Electromagnetic navigation bronchoscopy for peripheral lung lesions: Factors associated with improved diagnostic yield. Eastern Cardiothoracic Surgical Society, St. Pete Beach, FL, Oct 19-22, 2016.

Rogers ZJ, Ewing JA, Garland M, Rogers KE, Hale AL, Khalil RI, Manning BM, Kaiser ML. The Geriatric Ground Level Fall: A Significant Impact on Both Patient and Healthcare System. American College of Surgeons Clinical Congress, Washington DC, Oct. 16-20, 2016. (poster)

27. Sexton J. Palmar Arch Steal Syndrome: Case Presentation and Management Options. VIVA Conference, Las Vegas, NV, Sept. 18-22, 2016.

Schneider A, Manning BM, Ben-Or S, Cull JD, Bolton WD. A Rare Cause of Pneumopericardium in a Patient Following a Motor Vehicle Collision. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)

Scott J, Hu Q, Chen L, Zhang L, Truong K, Ewing J, Shi L. Benefits of robotic-assisted laparoscopic gastric bypass surgery among weight loss patients. American Society for Metabolic and Bariatric Surgery, Obesity Week, New Orleans, LA, Oct. 31-Nov. 4, 2016. (poster presentation)

28. Scott JD, Ewing JA, Mansour R, Love WW, McDermott S, Hale A. Use of a synthetic bioabsorbable tissue scaffold in the closure of the retro-Roux and meso-mesenteric internal hernia spaces during Roux-en-Y divided gastric bypasses leads to a significant reduction of subsequent internal hernia repairs. American Society for Metabolic and Bariatric Surgery, Obesity Week - EMERGING TECHNOLOGY INNOVATIONS SUMMIT, New Orleans, LA, Oct. 31-Nov. 4, 2016.
29. Scott JD, Zhang L, Chen L, Shi L, Truong K, Hu Q, Razzaghi T, Ewing JA, Hale A. Sociodemographic Factors Associated with the Likelihood of Undergoing Bariatric Surgery in the United States. American Society for Metabolic and Bariatric Surgery, Obesity Week, New Orleans, LA, Oct. 31-Nov. 4, 2016.
30. Scott J. Why access to care matters to the Carolinas. Bariatric Society of the Carolinas Annual Meeting, Myrtle Beach, SC, July 2016.
31. Scott JD. Why access to care matters to your state chapter. ASMBS Weekend, State Chapter Presidents Forum, San Diego, CA, June 2017.

Sprunger H, Carbonell AM, Cobb WS, Warren JA, Flanagan W. Staged management of giant inguinoscrotal hernia. Poster presented at Southeastern Surgical Congress 2017 Annual Meeting, Nashville, TN, February 25 – 28, 2017. (poster presentation)
32. Tan WH, Blatnik JA, Cavallo J, Feaman S, Gross A, Kalan LG, McAllister JM, Carbonell AM, Cobb WS, Matthews BD. Adhesion Formation in Absorbable and Permanent Barrier-Coated Meshes. Americas Hernia Society Annual Meeting, Cancun, Mexico, March 8-11 2017.
33. Taylor SM. Maintenance of Certification: The Reality of Sustaining Competency (the Foundation, the Fuss and the Fix). American Surgical Association, Presidential Forum, Philadelphia, PA, April 20-22, 2017.

Tingen J, Patel P, Warren JA. Laparoscopic Obturator Hernia Repair. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (Video presentation)

Verna D, Harling MJ, Smith DE. Perforated Jejunal Diverticulum: An Emergency. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017. (poster presentation)
34. Warren JA. Synthetic Mesh Choices for Complex AWR. Updates in Abdominal Wall Reconstruction Meeting, Orlando, FL, Jan. 12-14, 2017.
35. Warren JA. Robotic Retromuscular Repair with Posterior Component Separation. Updates in Abdominal Wall Reconstruction Meeting, Orlando, FL, Jan. 12-14, 2017.
36. Warren JA. Complex AWR at the Time of Enterocutaneous Fistula Takedown. Updates in Abdominal Wall Reconstruction Meeting, Orlando, FL, Jan. 12-14, 2017.
37. Warren JA. Repair of Parastomal Hernias. Moretz Society Annual Meeting, Augusta, GA, Feb. 17-18, 2017.
38. Warren JA. rTAR – Future or Fad? SAGES Meeting, Houston, TX, March 22-25, 2017.

39. Warren JA. Robotic Rives with Transversus Abdominal Release (TAR). Americas Hernia Society Meeting, Cancun, MX, Mar. 8-11, 2017.
40. Warren JA, Cobb WS. Management of thoracoabdominal wall hernias. Americas Hernia Society Annual Meeting, Cancun, Mexico, March 8-11, 2017.

PEER REVIEWED MEETING ABSTRACTS

1. Bacharach T, Wideman L, Ivey L, Hale AL, Patil N, McFadden C. Impact of Obesity on Patients with Crohn's Disease Following Major Surgery. American Society of Colon and Rectal Surgeons, Seattle, WA, June 10-14, 2017.
2. Bacharach T, Disbrow D, Hale AL, Mclear P, Osborn D, Ewing JA, McFadden C. Ten-year Evaluation of Colorectal Cancer in Young Patients. American Society of Colon and Rectal Surgeons, Seattle, WA, June 10-14, 2017.
3. Beffa L, Warren JA, Knoedler B, Carbonell AM, Cobb WS. Open Retromuscular Repair of Parastomal Hernias. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
4. Berglund W, Krupesh DN, Ewing JA, Gettys RH. Multi-vehicle, motorcycle accidents are more common during daylight hours: An 18-month review of motorcycle accidents from a level 1 trauma center. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
5. Bhatia G, Bolton WD, Richey JS, Ewing JA, Hale AL, Stephenson JE, Grisell DL, Devane AM, Ben-Or S. Electromagnetic Navigational Bronchoscopy is Safer than CT-guidance for Fiducial Marker Placement for Stereotactic Body Radiation Therapy in Lung Cancer Patients. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
6. Davis J, Love MW, Ewing JA, Lokey JS. The use of molecular marker panels for treatment of papillary thyroid cancer: knowing what we do not know. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
7. Erwin P, Jones WB, Scott JD. Cholecystectomy Clip Migration and Subsequent Choledocholithiasis. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
8. Gandhi SS, Ewing JA, Gray BH. Outcomes of Mechanical Thrombectomy in Conjunction with Thrombolysis in the Treatment of Acute Limb Ischemia. Vascular and Endovascular Surgery Society, Steamboat Springs, CO, February 2-5, 2017.
9. Goff T, Cull JD. Intraoperative communication and the effect of navigational grids during laparoscopic cholecystectomies.. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
10. Hancock B, Marguet C, Warren JA, Cobb WS. Concurrent Laparoscopic Hernia Repair and Cystoscopic Laser Cystolitholaxapy for Urinary Bladder Calculus Contained Within a Direct Inguinal Hernia. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.

11. Krishna Y, Trocha SD. EOSINOPHILIC CHOLANGITIS: A SMALL CASE SERIES AND REVIEW OF THE LITERATURE. 2017 Annual Meeting of the Southeastern Surgical Congress, Nashville, TN, February 25 – 28, 2017.
12. Krishna Y, Trocha SD. RENAL CELL CARCINOMA METASTASIS TO THE PANCREAS: A WELL-DOCUMENTED RARE EVENT. 2017 Annual Meeting of the Southeastern Surgical Congress, Nashville, TN, February 25 – 28, 2017.
13. McGrath S, Bassaco B, Ben-Or S, Hale AL, Ewing JA, Lowe S, Stephenson JE, Bolton WD. Impact of Sarcopenia on Complications and Survival in Patients undergoing Lobectomy for Lung Cancer. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
14. McGrath S, Bolton WD, Stephenson JE, Ben-Or S. Esophageal duplication cyst – absence of the pericardium. Eastern Cardiothoracic Surgical Society, St. Pete Beach, FL, Oct 19-22, 2016.
15. Michael R, Lee VH, McKinley BP, Trocha SD. Techniques of Videoscopic Inguinal Lymphadenectomy for Metastatic Melanoma. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
16. Rochester N, Bolton WD, Richey JS, Ewing JA, Hale AL, Aiken T, Bassaco B, Stephenson JE, Ben-Or S. Electromagnetic navigation bronchoscopy for peripheral lung lesions: Factors associated with improved diagnostic yield. Eastern Cardiothoracic Surgical Society, St. Pete Beach, FL, Oct 19-22, 2016.
17. Schneider A, Manning BM, Ben-Or S, Cull JD, Bolton WD. A Rare Cause of Pneumopericardium in a Patient Following a Motor Vehicle Collision. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
18. Tinggen J, Patel P, Warren JA. Laparoscopic Obturator Hernia Repair. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
19. Verna D, Harling MJ, Smith DE. Perforated Jejunal Diverticulum: An Emergency. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.
20. Warren JA, Stoddard C, Hunter A, Horton A, Atwood C, Pusker S, Cancellara V, Cobb WS, Carbonell AM. Effect of Multimodal Analgesia on Opioid Use after Open Ventral Hernia Repair. Southeastern Surgical Congress, Nashville, TN, Feb. 25-28, 2017.

ACADEMY FOR LEADERSHIP & PROFESSIONAL DEVELOPMENT

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. **Wilson, S., Hoffer, C.A., & Shuffler, M.L.** (2016). Conscious leadership: Skills to add to the EAP toolkit. *Journal of Employee Assistance*. Available online: <http://www.eapassn.org/Conscious-Leadership>
2. Farago, P., Shuffler, M.L., & **Long, T.** (Invited for revision). Practice Makes Perfect: Improving Coaching and Mentoring in Healthcare. GHS Proceedings.
3. Savage, N., Shuffler, M. L., **Wilson, S. L., & Tappert, T.** (Invited for revision). Fairness Matters: Considering the Influence of Leadership on Interpersonal Justice in a Healthcare Context. GHS Proceedings.

BOOK AND BOOK CHAPTERS

1. DiazGranados, D., Shuffler, M. L., Savage, N., Dow, A., & Yee, A. (2017). Defining the Pre-Hospital Care Multi-Team System. In J. R. Keebler, E. H. Lazzara, & P. Misasi (Eds.), *Ergonomics and Human Factors of Prehospital Emergency Care*.
2. Flynn, M., Verhoeven, D. C., and Shuffler, M. L., (2016) Temporal Dynamics in Multiteam Systems: An Integrative Perspective for Future Research & Practice.

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. Farago, P.R., Verhoeven, D.C., & Shuffler, M.L. (2017) Growing pains: Leader-member exchange buffers organizational change effects. In P.R. Farago & D. DiazGranados (co-chairs), *Changing the Conversation: Helping Healthcare Workers Grow Through Change*. Symposium to be presented at the 77th Annual Meeting of the Academy of Management, Atlanta, Georgia.
2. Flynn, M., Savage, N., Shuffler, M. L., Farago, P., **Wilson, S., & Tappert, T.** (2017). *Leading Safely: Leadership Behaviors as Predictors of Patient Safety Climate*. In Sinclair, R. R. (Chair) & Manapragada, A. (Co-Chair), Putting the "Health" in Healthcare. Symposium presented at the 32nd Annual Conference of the Society for Industrial and Organizational Psychology, Orlando, Florida.
3. **Lawrence, K.** Plate Spinning: Getting Things Done in the Midst of Chaos. MGMA National Conference, 31 October 2016, San Francisco, CA.
4. Savage, N. & Shuffler, M. L. (2017). Let's Be Fair: The Influence of Leadership on Interpersonal Justice Climate in Healthcare. Paper presented to the 12th Annual International Conference on Occupational Stress and Health, "Work, Stress, and Health", Minneapolis, Minnesota.

5. Savage, N., Moran, E. A., Richter, S. R., Verhoeven, D. C., Kramer, W. S., & Shuffler, M. L. (2017). Who Needs the Added Stress? Considering How the Context of Extreme Teams May Increase Burnout. In N. Savage & M. Jimenez-Rodriguez (Chairs), What Matters in Team Functioning: Considering the Context of Extreme Teams. Presented to the 12th Annual Conference for Interdisciplinary Network for Group Research, Saint Louis, MO.
6. Shuffler, M. L., Verhoeven, D. C., Burke, C. S., Hernandez, C., Savage, N., **Wilson, S., & Tappert, T.** (2017). *Developing Healthcare Leaders to Enhance Teamwork and Patient Safety: An Intervention for Improving Leadership Skills in Relationship Management*. In Leadership in Healthcare: Influence on Climate, Performance, and Well-Being. Paper presented to the 12th Annual International Conference on Occupational Stress and Health, "Work, Stress, and Health", Minneapolis, Minnesota.
7. **Tappert T.** Creating a Vibrant Organization that Fosters Forward Thinking – Opening/Keynote Panel Member on Creating an Engaged and Vibrant Organizational Culture; Shine the Light Foundation, 12 July 2016.
8. **Tappert T., & Chapman D.** Creating a Conscious Culture. The Mindful Leader Summit, 4 Nov 2016, Arlington, VA.
9. **Wilson S., & Hoffer CA.** Transforming Healthcare through the Conscious Leadership Model. Medical Group Management Association, 2 Nov 2016, San Francisco, CA.

PEER REVIEWED MEETING ABSTRACTS

Farago, P. (2017). Leaving it All on the Field: Coaching in Healthcare to Reduce Burnout. Poster presented to the annual meeting of Industrial Organizational and Organizational Behavior, Houston, Texas. (poster)

Farago, P.R., Verhoeven, D.C. & Shuffler, M.L. (2017) Growing pains: Leader-member exchange buffers organizational change effects. Poster presented to the annual meeting of Industrial Organizational and Organizational Behavior, Houston, Texas. (poster)

Flynn, M., Farago, P., Savage, N., Shuffler, M. L., **Tappert, T., & Wilson, S.** (2017). The Impact of Mindfulness on Burnout in Clinical Healthcare Employees. Poster presented to the 12th Annual International Conference on Occupational Stress and Health, "Work, Stress, and Health", Minneapolis, Minnesota. (poster)

Moran, E. A., Richter, S. R., Savage, N., Kramer, W. S., Verhoeven, D. C., Flynn, M., Farago, P., & Shuffler, M. L. (2017). Examining Burnout in Medical Extreme Teams. Poster presented at the annual Focus on Creative Inquiry Poster Forum, Clemson, South Carolina. (poster)

Mercer, E. L., Demos, J., Savage, N., Verhoeven, D. C., Kramer, W. S., & Shuffler, M. L. (2016). The Influence of Leaders on Organizations: Considering the Role of Political Skill. Poster presented at the annual Focus on Creative Inquiry Poster Forum, Clemson, South Carolina. (poster)

Mercer, E. L., Shuffler, M. L., Savage, N., Verhoeven, D. C., Kramer, W. S., & Farago, P. (2016). The Positive Impact of Mindfulness in Organizations. Poster presented at the annual meeting of Industrial Organizational and Organizational Behavior, Houston, Texas. (poster)

Savage N, Verhoeven DC, Kramer WS, Shuffler ML, **Wilson S, Tappert T**. Fairness Matters: The Importance of Leaders and Justice on Healthcare Teams. INGRoup 2016, Helsinki, Finland, 14 July 2016. (poster)

HSC RESEARCH SCHOLARS

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. **Allen, R.**, Pruitt, M., Taaffe, K. Impact of Resident Involvement on Operative Time and OR Staffing Costs. J Surg Educ. 2016; 73(6):979-985. *(Clemson Embedded Scholar)*

Dickes L, Summey J, Mayo R, Hudson J, **Sherrill WW**, Chen L. Potential for Medicaid Savings: A State and National Comparison of an Innovative Neonatal Abstinence Syndrome Treatment Model. Popul Health Manag. 2017 Apr 14. doi: 10.1089/pop.2016.0158. [Epub ahead of print] PubMed PMID: 28409699. *(also listed in Pediatrics – primary author)*

Hudson J, Mayo R, Dickes L, Chen L, **Sherrill WW**, Summey J, Dalton B, **Dankovich K**. Early Treatment for Neonatal Abstinence Syndrome: A Palliative Approach. Am J Perinatol. 2017 May;34(6):576-584. doi: 10.1055/s-0036-1596054. Epub 2016 Dec 1. PubMed PMID: 27907936. *(also in Pediatrics – primary author)*

BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

PEER REVIEWED MEETING ABSTRACTS

NURSING

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. DuBose, L., Peace, R., Macaluso, J., LaCroix, R., Fields, M., Simpson, S., & Snodgrass, S. (September 2016). Implementation of IP & C in an inpatient and outpatient setting; something borrowed something new. *Pediatric Pulmonology*, 51, Issue S45, 412. ([Infection Prevention](#))
2. DuBose, L., Peace, R., Clark, C., Gaffney, C., & Snodgrass, S. (September 2016). Does a financial incentive to attend quarterly appointments improve CF clinic visit compliance? *Pediatric Pulmonology*, 51, Issue S45, 484. ([Infection Prevention](#))

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REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

PEER REVIEWED MEETING ABSTRACTS

PHARMACY

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. Goodbar NH, Foushee JA, **Nash K**, Connolly LA, Webster LM. Hypothermia associated with thioridazine use in an intellectually disabled patient. *J Pharm Pract* 2016;29(3):250-2.
 2. **Nash K, Carter KJ**. Treatment options for the management of pervasive developmental disorders. *Int J Psychiatry Med.* 2016;51(2):201-10. doi: 10.1177/0091217416636600. PubMed PMID: 27079778.
 3. Shah, PJ; Carmen M. Faulkner-Fennell, PharmD, BCPS; Jessica M. Odom, PharmD, BCPS, BC-ADM; John H. Schrank Jr, MD; Jennifer R. Meredith, PhD, HCLD; and Jun Wu, PhD. Impact of an Antimicrobial Stewardship-Driven Initiative to Assess Appropriateness of Asymptomatic Bacteriuria or Funguria Treatment. *GHS Proc.* June 2017;2(1):26-31 (*also posted in Pathology*)
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BOOK AND BOOK CHAPTERS

1. **Capps, RC**. Primary Engineering Controls. In: Buchanan, EC. Schneider PJ. *Compounding Sterile Preparations* 4th ed. Bethesda MD, American Society of Health-System Pharmacists, 2016.
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REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Capps RC**. Preparation and Planning for USP <800>. Presbyterian College School of Pharmacy Innovation Workshop. Clinton, SC. August 23, 2016.
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PEER REVIEWED MEETING ABSTRACTS

1. **Royal, V., Raunikar, A**. Financial Impact of Commitment to Core Prescribing Practices. 2016 Vizient Clinical Connections Summit, Dallas, TX, 29-30 September 2016

REHABILITATION

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. **Brooks J**, Seeanner J, Hennessy S, Manganelli J, Crisler M, Rosopa P, Jenkins C, Anderson M, Drouin N, Belle L, Truesdail C, **Tanner S**. Interactive Tools for Measuring Visual Scanning Performance and Reaction Time. *Am J Occup Ther*. 2017 Mar/Apr;71(2):7102350010p1-20102350020p6. doi: 10.5014/ajot.2017.020461. PubMed PMID: 28218598; PubMed Central PMCID: PMC5317392. *(also in Orthopaedics)*
2. Threath AL, Merino J, **Brooks JO**, **Healy S**, Truesdail C, Manganelli J, Walker I, Green KE. The Design, Prototyping, and Formative Evaluation of an Assistive Robotic Table (ART) for Stroke Patients. *HERD*. 2017 Apr;10(3):152-169. doi: 10.1177/1937586716687802. Epub 2017 Feb 19. PubMed PMID: 28335630.

BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Kopera KW**. Keynote: Nutrition for Brain Health. Life with Brain Injury. Brain Injury Association of South Carolina. July 22, 2016. Columbia SC.

PEER REVIEWED MEETING ABSTRACTS

SIMULATION CENTER

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

Walchok J., Lutz, M., Shope, C., Gue' G, Furmanek D., Pirrallo, R., **Dix, A.** Can paramedics draw uncontaminated blood cultures prior to prehospital antibiotic administration? Prehospital Emergency Care 2016, 20:154(A76). *(also posted in Emergency Medicine (primary author))*

Walchok JG, Lutz ME, Shope CF, Gue' G, Furmanek D., Pirrallo, R., **Dix, A.** How well does a prehospital sepsis assessment tool correlate with elevated serum lactate levels: Is a paramedic's assessment enough? Prehospital Emergency Care 2016; 20:154(A77). *(also posted in Emergency Medicine (primary author))*

Walchok J., Lutz, M., Shope, C., Gue' G, Furmanek D., Pirrallo, R., **Dix, A.** Can paramedics draw uncontaminated blood cultures prior to prehospital antibiotic administration? Prehospital Emergency Care 2016, 20:154(A76). *(also posted in Emergency Medicine (primary author))*

Walchok JG, Lutz ME, Shope CF, Gue' G, Furmanek D., Pirrallo, R., **Dix, A.** How well does a prehospital sepsis assessment tool correlate with elevated serum lactate levels: Is a paramedic's assessment enough? Prehospital Emergency Care 2016; 20:154(A77). *(also posted in Emergency Medicine (primary author))*

BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

Bitner M, Hobbs J, Dix A. Disaster Workshop: Active Shooter Preparedness and Tourniquets. 2017 Annual Post Graduate Seminar *(also posted in Emergency Medicine (primary))*

1. **Dix A.** Implementing a Team Based Approach to Resuscitation. 2017. GHS Prehospital Medicine Conference
2. **Dix A.** Mass Casualty Simulation: Design and Implementation. 2016. Society of Simulation in Healthcare SimOps
3. **Dix A.** Utilization Simulation to Improve Outcomes on the Fire Ground. 2016. South Carolina Fire Rescue Conference
4. **Dix A.** Improving Rates of Survival from out-of-Hospital Cardiac Arrest. 2016. Western Carolina EMS Conference

5. **Dix A.** Are You Still Backboarding; How to Operationalize the New trends in Spinal Immobilization. 2017. Metro Atlanta EMS Conference

6. **Morgan, Robert.** Future Strategic Initiatives in Simulation: A Pro-Con Debate. International Meeting for Simulation in Healthcare. 28 Jan 2017, Orlando, Florida, USA.

PEER REVIEWED MEETING ABSTRACTS

SPIRITUAL CARE & EDUCATION

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Dill, J.** Self-Care for the Caregiver. Lecture. Accountable Care Organization Training for Case Managers. Introduction to Palliative Care. 12 July 2016. Greenville, SC. USA.
2. **Dill, J.** The Chaplain's Role in Palliative Care. Lecture. Clinical Pastoral Education. Carolinas Medical Center-Northeast. 27 July 2016. Charlotte, NC. USA.
3. **Jinks, P.** On Being a Spiritual Generalist: Engaging the Spiritual Lives of Children and their Families. Lecture. Joint Pediatric Grand Rounds. Palmetto Health Children's Hospital and GHS Children's Hospital. 26 August 2016. Greenville, SC. USA.
4. **Jinks, P.** Stein, M. Grief and Bereavement in the Pediatric Clinical Setting. Lecture. University of Georgia Graduate Studies. 30 September 2016. Greenville, SC. USA.

PEER REVIEWED MEETING ABSTRACTS

USCSOMG: BIOMEDICAL SCIENCES FACULTY, STAFF & STUDENTS

PEER REVIEWED JOURNAL ARTICLES & ABSTRACTS

1. Abdel Meguid, E.M., and **Khalil, M.K.** (2017). Measuring medical students' motivation to learning anatomy by cadaveric dissection. *Anatomical Sciences Education*, 10:363-371. DOI 10.1002/ase.1669

Asif IM, Wiederman M, Kapur R. Journal Clubs in Sports Medicine Fellowship Programs: Results From a National Survey and Recommendations for Quality Improvement. *Clin J Sport Med.* 2016 Nov 2. [Epub ahead of print] PubMed PMID: 27811547. (*also in Family Medicine – primary author*)
2. **Binks AP,** Desjardin S, Riker R. ICU Clinicians Underestimate Breathing Discomfort in Ventilated Subjects. *Respir Care.* 2017 Feb;62(2):150-155. doi: 10.4187/respcare.04927. PubMed PMID: 27965421.
3. Victor Eno, Senthilkumar Mehalingam, **Thomas I. Nathaniel** (2016).The Affordable Care Act (ACA) and Utilization of Preventive Health Care Services. *SAGE*, 6:1-13. DOI: 10.1177/2158244016636183
4. **Brian Fazzino, Gabrielle Morris, Leigh-Ann Black, Jessica- Ashley Williams,** Rodney Leacock, Shannon Sternberg, Dawn Blackhurst, Alfred Nelson, and Thomas I. Nathaniel (2016).Exclusion and Inclusion Criteria for Thrombolytic Therapy in an Ischemic Stroke Population. *J Neurol Disord Stroke* 4(2): 1112.
5. **Fredwall M, Sternberg S, Blackhurst D, Lee A, Leacock R, Nathaniel TI.** Gender Differences in Exclusion Criteria for Recombinant Tissue-Type Plasminogen Activator. *J Stroke Cerebrovasc Dis.* 2016 Sep 8. pii: S1052-3057(16)30130-6. doi: 10.1016/j.jstrokecerebrovasdis.2016.06.012. [Epub ahead of print] PubMed PMID: 27618196.
6. Gregg AR, Skotko BG, Benkendorf JL, Monaghan KG, Bajaj K, **Best RG,** Klugman S, Watson MS. Noninvasive prenatal screening for fetal aneuploidy, 2016 update: a position statement of the American College of Medical Genetics and Genomics. *Genet Med.* 2016 Jul 28. doi: 10.1038/gim.2016.97. [Epub ahead of print] PubMed PMID: 27467454.
7. Griffeth B, **Wiederman M.** [Faculty development effects on clerkship grades.](#) *Clin Teach.* 2017 Apr 24. doi: 10.1111/tct.12651. [Epub ahead of print] PubMed PMID: 28436156.
8. Hivert MF, Arena R, Forman DE, Kris-Etherton PM, McBride PE, Pate RR, Spring B, **Trilk J,** Van Horn LV, Kraus WE; American Heart Association Physical Activity Committee of the Council on Lifestyle and Cardiometabolic Health; the Behavior Change Committee, a joint committee of the Council on Lifestyle and Cardiometabolic Health and the Council on Epidemiology and Prevention; the Exercise, Cardiac Rehabilitation, and Secondary Prevention Committee of the Council on Clinical Cardiology; and the Council on Cardiovascular and Stroke Nursing.. *Medical Training to Achieve Competency in Lifestyle Counseling: An Essential Foundation for*

- Prevention and Treatment of Cardiovascular Diseases and Other Chronic Medical Conditions: A Scientific Statement From the American Heart Association. *Circulation*. 2016 Oct 11;134(15):e308-e327. PubMed PMID: 27601568.
9. **Hodinka RL**, Ginocchio CC. [Letter from the Editors](#). *J Clin Virol*. 2017 Jun;91:62. doi: 10.1016/j.jcv.2017.04.011. Epub 2017 Apr 14. PubMed PMID: 28442209.
 10. Kamili NA, Arthur CM, Gerner-Smidt C, Tafesse E, **Blenda A**, Dias-Baruffi M, Stowell SR. [Key regulators of galectin-glycan interactions](#). *Proteomics*. 2016 Dec;16(24):3111-3125. doi: 10.1002/pmic.201600116. Review. PubMed PMID: 27582340.
 11. **Khalil, M.K.**, Hawkins, H.G., Crespo, L.M., and Buggy, J. (2017). The Relationship between Learning and Study Strategies Inventory (LASSI) and academic performance in medical schools. *Medical Science Educator*, 27:315-320. 10.1007/s40670-017-0400-x
 12. **Khalil, M.K.**, Elkhider, I.A., Ingiaimo, M., and Johnson, T.E. (2017). Utilization of Team Process Framework to Improve Small-Group Learning in Medical Education. *Medical Science Educator*, 27:123-134.
 13. Nourine A. Kamili, Connie M. Arthur, Christian Gerner-Smidt, Eden Tafesse, **Anna Blenda**, Marcelo Dias-Baruffi and Sean R. Stowell. Key regulators of galectin-glycan interactions. *Proteomics* 2016, 16, 3111-3125 3111. DOI 10.1002/pmic.201600116
 14. **Kennedy AB**, Schenkelberg M, Moyer C, Pate R, Saunders RP. Process Evaluation of a Preschool Physical Activity Intervention Using Web-based Delivery. *Eval Program Plann*. September 2016. In Press doi:10.1016/j.evalprogplan.2016.08.022.
 15. **Kennedy, A.B.**, Cambron, J., Sharpe, P.A., Travillian, R.S., Saunders, R.P. Process for Massage Therapy Practice and Essential Assessment, *Journal of Bodywork & Movement Therapies* (2016), doi: 10.1016/j.jbmt.2016.01.007.
 16. **Kennedy AB**, Cambron JA, Sharpe PA, Travillian RS, Saunders RP. Clarifying Definitions for the Massage Therapy Profession: the Results of the Best Practices Symposium†. *Int J Ther Massage Bodyw Res Educ Pract*. 2016;9(3). doi:10.3822/ijtmb.v9i3.312.
 17. **Khalil, Mohammed K., and Ihsan A. Elkhider**. "Applying learning theories and instructional design models for effective instruction." *Advances in physiology education* 40.2 (2016): 147-156.
 18. **Nathaniel TI, Cochran T, Chaves J, Fulmer E, Sosa C, Yi S, Fredwall M, Sternberg S, Blackhurst D, Nelson A, Leacock R**. Co-morbid conditions in use of recombinant tissue plasminogen activator (rt-PA) for the treatment of acute ischaemic stroke. *Brain Inj*. 2016;30(10):1261-5. doi: 10.1080/02699052.2016.1186840. Epub 2016 Aug 2. PubMed PMID: 27484159.
 19. **Russ-Sellers, Rebecca PhD; Blackwell, Thomas H. MD**. Emergency Medical Technician Training During Medical School: Benefits for the Hidden Curriculum. Posted on-line pending publication in *Academic Medicine*.

20. **Trilk, JL**, Muscato, D, Polak, R. Advancing Lifestyle Medicine Education in Undergraduate Medical School Curricula Through the Lifestyle Medicine Education Collaborative (LMEd). American Journal of Lifestyle Medicine. Vol 20, Issue 10, December 10, 2016.
21. **Wright WS** and Baston K. Use of the National Board of Medical Examiners® (NBME®) Comprehensive Basic Science Exam: Results from a National Survey of US Medical Schools. Advances in Medical Education and Practice: 8, 377-383, 2017.
22. Xie Y, Jiang H, Zhang Q, Mehrotra S, Abel PW, Toews ML, **Wolff DW**, Rennard S, Panettieri RA Jr, Casale TB, Tu Y. Upregulation of RGS2: a new mechanism for pirfenidone amelioration of pulmonary fibrosis. Respir Res. 2016 Aug 22;17(1):103. doi: 10.1186/s12931-016-0418-4. PubMed PMID: 27549302; PubMed Central PMCID: PMC4994235.
23. **Youkey JR, Blackwell, T**. Emergency Medical Technician Training for Medical Students: A Foundational Excellence. Medical Training Magazine 2017; 6(1): 6-9. <http://bit.ly/2kxXWxW>

BOOK AND BOOK CHAPTERS

REGIONAL/NATIONAL/INTERNATIONAL PRESENTATIONS

1. **Best, R.**, Block, S. Gray, D., Sharkey, A., & **Wiederman, M.W.** Faculty Affairs Perspectives on Preparation for LCME Accreditation. Presented at the annual AAMC Group on Faculty Affairs Professional Development Conference, July, 2016. Vancouver, BC.
2. **Buchanan, A.** Strategic Planning for the M4 Year: Creating a Competent Student Prepared for Pediatric Residency. Council on Medical Student Education in Pediatrics National Meeting, St. Louis, Missouri, April 2016
3. **Buchanan, A.** The ABCs of Medical Student Education: Fundamentals for Pediatric Educators. Council on Medical Student Education in Pediatrics National Meeting, St. Louis, Missouri, April 2016
4. **Buchanan, A.** Ascending to the Mountain Peak: Preparing Yourself and Supporting Others in the Academic Promotions Process. Council on Medical Student Education in Pediatrics National Meeting, Portland, Oregon, March 2017
5. **Buchanan, A.** Oral Conundrums Session 1. Pediatric Hospital Medicine National Meeting, July 2016, Chicago, IL.
6. **Buchanan, A.** Oral Conundrums Session 3. Pediatric Hospital Medicine National Meeting, July 2016, Chicago, IL.
7. **Khalil, M.K.**, Hawkins, H., Williams, S.E. (2017). The Relationship between Learning and Study Strategies Inventory (LASSI) and Performance on Anatomical Sciences in Medical Schools. The FASEB Journal 31 (1 Supplement), 392-6.

8. **Khalil, M.K.**, Crespo, L.M., Hawkins, H., Buggy, J. (2017, April). The use of Learning and Study Strategies Inventory (LASSI) to investigate differences between gender and low/high academically performing medical students. Oral presentation at the Joint SGEA/SGSA/SOSR Meeting, Charlottesville, VA.
9. **Khalil, M.K.**, Crespo, L.M., Hawkins, H., Buggy, J. (2016, August). Learning and Study Strategies Inventory (LASSI) as a predictor of academic performance in medical schools. Poster presented at An International Association for Medical Education (AMEE), Barcelona, Spain.
10. **Malekia, L.**, Khalil, M.K. (2016, October). Evaluation of digital study quizzes for learning histology in medical education. Poster session presented at the American Association of Clinical Anatomists (AACA) Regional Meeting, Chapel Hill, NC.
11. **Trilk, J.L.** "Exercise is Medicine: The Greenville Way!" World Congress on Exercise is Medicine, American College of Sports Medicine, Denver, CO, May 2017.
12. **Wiederman, M.W., & Best, R.** Building and Supporting Faculty Resilience. Presented at the annual AAMC Group on Faculty Affairs Professional Development Conference, July, 2016. Vancouver, BC.

Wright WS, and Baston K. Use of the NBME® Comprehensive Basic Science Exam in US Medical Schools: Results of a National Survey. Association of American Medical Colleges (AAMC) Southern Group on Educational Affairs, Charlottesville, VA, April 20, 2017. (poster)

PEER REVIEWED MEETING ABSTRACTS

1. **Wright WS** and Baston K. Use of the NBME® Comprehensive Basic Science Exam in US Medical Schools: Results of a National Survey. Association of American Medical Colleges (AAMC) Southern Group on Educational Affairs, 2017.

Appendix 3. Research & Scholarly Activity

Office of Research
Information Technology & Data
Management

School of Medicine - Greenville

Fiscal Year 2017



UNIVERSITY OF
SOUTH CAROLINA

Faculty Information

RESEARCH AND SCHOLARLY ACTIVITY

The following refers to Appendix 1, 2 & 3 , which provides detailed information from the Office of the Vice President for Research, department of Information Technology and Data Management, including:

- 1) The total number and amount of externally sponsored research proposal submissions by funding source for the appropriate Fiscal Year.
- 2) Summary of externally sponsored research awards by funding source for the appropriate Fiscal Year. Total extramural funding processed through Sponsored Awards Management (SAM) in the Fiscal Year, and federal extramural funding processed through SAM in the Fiscal Year. (Available at: <http://sam.research.sc.edu/awards.html>) Amount of sponsored research funding per faculty member in FY YYYY (by rank, type of funding; e.g., federal, state, etc., and by department, if applicable).
- 3) Number of patents, disclosures, and licensing agreements for three most recent Fiscal Years.

Identified areas of challenge and opportunities with faculty research and scholarly activity, referencing Academic Analytics data (through 2015) and the report provided by the Office of Research's Information Technology and Data Management, including specific plans to meet these challenges or take advantage of the opportunities.

Summary of Extramural Proposal Submissions by Source - FY2017

Appendix 1

PI Home Department	Amount First Year	Federal	Private, Non-Profit	State
Medicine, School of - (Greenville Campus)	4,866,913	15		
Total Count	15	15	0	0
Total Amount First Year	4,866,913			

Extramural Funding by Source, Department, Faculty & Rank - FY2017
Appendix 2

PI Home Department	Dept. Total Funding	PI Name	Primary Job Desc/Rank	Tenure Status	Total Funding	Federal	Private, Non-Profit	State
Medicine, School of - (Greenville Campus)		Egan, Brent	CLINICAL PROFESSOR		924,383	894,383	30,000	
Medicine, School of - (Greenville Campus)		Trilk, Jennifer	ASST PROFESSOR		39,982		0	39,982
Medicine, School of - (Greenville Campus)		Tucker, Matthew	ASST PROFESSOR		8,400	8,400		
Total Greenville Campus	972,765				972,765	902,783	30,000	39,982

Patents, Disclosures, and Licensing Agreements

Fiscal Year 2017

Appendix 3

SCHOOL OF MEDICINE				
	Invention Disclosures	Provisional Patent Applications	Non-Provisional Patent Applications	Issued Patents
TOTALS:	9	5	8	4
Department Breakdown				
Biochemistry	0	0	0	0
Cell Biology & Anatomy	2	2	3	0
Clinical Departments	3	3	1	2
Pathology, Microbiology & Immunology	2	0	3	2
Pharmacology, Physiology, Neuroscience	2	0	1	0

***Note:** These numbers include US, PCT, and foreign applications/patents
 These numbers include School of Medicine Columbia Campus

***Source:** Office of Economic Engagement

Appendix 4. Faculty Information

Detailed BMS Faculty Research Focus Areas

USCSOMG Biomedical Sciences	Focus Areas
Sergio Arce, M.D., Ph.D. – BMS	<ol style="list-style-type: none"> 1. Discovering novel roles for B and T lymphocytes in the pathogenesis of sarcoidosis 2. Biochemical mechanisms of steroid resistance in chronic persistent sarcoidosis 3. Modeling the bone marrow plasma cell microenvironment and granulomatous inflammation in 3D culture systems 4. Immunology and pathogenesis of multiple myeloma
Asa C. Black, Jr., M.D. – BMS	<ol style="list-style-type: none"> 1. Pluripotent Adult Stem Cells (with Dr. Henry E. Yount) 2. Multiple sclerosis (with Dr. Mary Hughes)
Anna V. Blenda, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Investigation of the antimicrobial properties of the human galectin proteins 2. Screening for antimicrobial properties via dose-response bacteria killing assays, galectin-bacteria binding assays using flow cytometry, and glycan array data analysis 3. Investigation of the genetics of the birth defects of split hand foot malformation (SFHM)
Renee J. Chosed, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Investigation of the role that posttranslational modifications play in disease progression. 2. Characterization of the human Mixed-Lineage Leukemia (MLL1) complex using yeast as a model system. 3. Understanding the molecular mechanisms mediating human embryo development during the pre-implantation-competent embryo
Steven E. Fiester, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Elucidating factors contributing to the virulence of multidrug-resistant ESKAPE pathogens with special attention given to <i>Acinetobacter baumannii</i>. 2. Understanding the pathobiology of <i>A. baumannii</i> in order to uncover targets for therapeutics. 3. Investigating the mechanism by which <i>A. baumannii</i> is cytotoxic to eukaryotic cells, acquires iron under chelated conditions, translocates virulence-associated proteins to the outer membrane, secretes virulence factors and responds to environmental stressors.
Lauren A. Gonzales, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Phenotypic adaptations of inner ear morphology 2. Sensory ecology and evolution of the primate brain 3. Vertebrate paleontology 4. North and South American paleobiogeography 5. New applications of Computed Tomography (CT) data for research and education
Richard L. Goodwin, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Investigation of the mechanisms of cardiovascular development. 2. Investigation of cardiovascular malformations at birth in order to provide opportunities for new therapies

	<ol style="list-style-type: none"> 3. Investigation of new cell-based therapies, which likely use the same developmental mechanisms to regenerate malformed and diseased structures, to treat adult disorders. 4. Understanding the role of the mechanical environment on genomic regulation of the differentiation and morphogenesis of cardiovascular tissues. 5. Generating 3D reconstructions of normal and defective hearts throughout development using an inducible model of a cardiac defect known as Tetralogy of Fallot.
Richard L. Hodinka, Ph.D., F (AAM) - BMS	<ol style="list-style-type: none"> 1. Clinical microbiology, infectious diseases 2. Development, validation and implementation of rapid and accurate methods for the detection and monitoring of microbial pathogens causing infectious diseases 3. Primary focus on laboratory- and point-of-care-based molecular technologies for the diagnosis of viral illnesses
Ann Blair Kennedy, LMT, BCTMB, DrPH – BMS	<ol style="list-style-type: none"> 1. Patient and stakeholder engagement in research 2. Stress and wellness particularly in families with children with special needs 3. Behavioral change interventions 4. Implementation monitoring and process evaluation 5. Integrative medicine 6. Investigations of the massage therapy profession
Mohammed K. Khalil, DVM, M.S.Ed., Ph.D. – BMS	<ol style="list-style-type: none"> 1. Investigation of learning and instructional technology 2. Advancement of medical education with innovative learning strategies 3. Applied research on technology integration in medical education with the intention of developing effective pedagogy that promotes student-centered and life-long learning
Thomas I. Nathaniel, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Evaluation of existing data to find improved treatment outcome of RTP (“Clot Buster”) in Ischemic stroke patients 2. Development of “telestroke technology” to improve treatment efficiency and eliminate disparity between urban and rural area stroke patients. 3. Use of metabolomics to identify biomarkers for stroke diagnoses
William E. Roudebush, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Investigation of the significance of signaling phospholipids (i.e. platelet activating factor) 2. Investigation of Transforming Growth Factor-Beta hormones (e.g. AMH and inhibin B) in reproduction and preimplantation embryo morphometrics
Rebecca Russ-Sellers, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Investigation of clinically driven health services research 2. Achieving effective health service research partnerships 3. Emergency medical technician training in medical school

Jennifer Trilk, Ph.D. – BMS	<ol style="list-style-type: none"> 1. The power of exercise training in medical education 2. Improving Patient Health through Exercise is Medicine™ Greenville: A community initiative to integrate physician-prescribed physical activity in Greenville, South Carolina 3. Massage Therapy for Improvement of Quality of Life and Sport Performance in Paracycling Athletes
Matthew Tucker, Ph.D. - BMS	<ol style="list-style-type: none"> 1. Research focuses on the role of sleep in memory processing in medically relevant contexts
Shanna Williams, Ph.D. – BMS	<ol style="list-style-type: none"> 1. Craniofacial growth, maturation, and change based on age and ancestry 2. Predictive Value of Basic Science Content and NBME® Comprehensive Basic Science Exams in a New Medical School
William Wright, Ph.D. - BMS	<ol style="list-style-type: none"> 1. Determination of the mechanisms of dysfunction that occur early in the diabetic retina which lead to the development of diabetic retinopathy 2. Investigation of inflammatory mediators that modify vascular endothelial cell function and result in altered blood flow to the retina. 3. Assessment practices 4. Curricular design in medical education

Appendix 5. Academic Analytics Report

Department of Biomedical Sciences Faculty Publications, Grants, and Invited Presentations for AY2016-2017 and AY2017-2018

Faculty Member	AY 2016 - 2017 (July 1, 2016 - June 30, 2017)					AY 2017 - 2018 (July 1, 2017 - March 13, 2018)				
	Publications	Grants	Grant Amount	Status	Presentations	Publications	Grants	Total Grant Amount	Status	Presentations
Arce, Sergio	0	0	\$ -		5	0	0	\$ 680,000.00	Pending	0
Baston, Kirk	1	0	\$ -		0	0	0	\$ -		0
Black, Asa	6	0	\$ -		0	6	0	\$ -		0
Blenda, Anna	2	0	\$ -		0	0	2	\$ 735,000.00	Pending	0
Casanove, Manuel	24	2	\$ 20,000.00	Funded	7	14	3	\$ 29,500.00	Funded	7
Catalana, Paul	0	0	\$ -		5	0	0	\$ -		5
Chosed, Renee	2	0			0	0	4	\$ 114,000.00	Pending	0
Fiester, Steven	5	1	\$ 2,500.00	Funded	1	2	4	\$ 587,761.00	Pending	0
Fulcher, James	1	0	\$ -		4	3	0	\$ 2,000,000.00	Pending	3
Gonzales, Lauren	1	1	\$ 14,940.00	Funded	2	2	1	\$ 30,000.00	Pending	1
Goodwin, Rich	5	1	\$ 15,000.00	Funded	1	4	3	\$ 79,000.00	Funded	1
								\$ 4,923,461.00	Pending	
Hodinka, Rick	7	1	\$ 185,000.00	Pending	11	4 Including 1 book	1	\$ 185,000.00	Funded	12
Kelly, Bill	1	0	\$ -		0	0	1	\$ 89,500.00	Pending	0
Kennedy, Ann Blair	4	0	\$ -		1	3	4	\$ 179,452.00	Funded	3
								\$ 455,936.00	Pending	
Khalil, Mo	3	0	\$ -		0	4	0	\$ -		0
Knight, Jenny	0	0	\$ -		0	0	0	\$ -		0
Nathaniel, Thomas	5	2	\$ 75,000.00	Pending	0	8	1	\$ 1,500,000.00	Pending	0
Pace, Tom	0	1	\$ 1,570,000.00	Funded	1	1	0	\$ -		1
Roudebush, Bill	5	0	\$ -		6	6	4	\$ 254,313.00	Pending	4
Russ-Sellers, Rebecca	1	1	\$ 55,253.00	Funded	2	0	1	\$ 55,253.00	Funded	0
Sokhadze, Estate	7	0	\$ -		10	4	1	\$ 20,000.00	Funded	10
Taylor, Shannon Stark	Not yet employed	Not yet employed			Not yet employed	3	2	\$ 60,000.00	Funded	0
Trilk, Jennifer	3	1	\$ 200,000.00	Funded	2	3	1	\$ 150,000.00	Funded	0
Tucker, Matt	1	1	\$ 25,000.00	Funded	0	1	1	\$ 25,000.00	Funded	0
Ward, Michael	1	0	\$ -		0	3	0	\$ -		0
Williams, Shanna	3	0			0	1	0	\$ -		0
Wright, Bill	0	0			0	1	0	\$ -		1
Total	88	10	\$ 2,162,693.00		46	69	34	\$ 12,153,176.00		48