

SCHOLARLY ACTIVITY IN THE HONORHEALTH JOHN C. LINCOLN MEDICAL CENTER GENERAL SURGERY RESIDENCY PROGRAM

2018-2019 EXECUTIVE SUMMARY

Overview

The purpose of the General Surgery Scholarly Activity Program is to provide residents with a strong foundation in research, ensure their effectiveness in evaluating the care of the patient in terms of best practices and their proficiency in critical appraisal of peer-reviewed literature, which will help residents develop a pattern of lifelong learning habits. The Scholarly Activity Program (SAP) is designed to fulfill the residency program's Practice-Based Learning goals. Scholarly activities of residents & faculty are documented & assessed regularly as a part of the General Surgery Program evaluation and is also assessed through the annual ACGME Faculty & Resident Survey.

This executive summary is organized into 3 parts. In Part I, scholarly activity processes and structure are identified and described. Part II provides further details regarding resources in place to support activities. Part III includes a list of annual resident activities and faculty activities over the last 5 years.

PART I – Processes for Scholarly Activity & Research

The Scholarly Activity Program is administered through a variety of teaching strategies, including regular instruction through didactics sessions (interesting case presentations, history lectures), attendance and participation in HonorHealth’s “ResQIPS” workshop series (Research, Quality Improvement, Patient Safety), engaged participation in research projects, journal club and at residency-based conferences (General Surgery M&M, TPIC, Tumor Board). Residents are also required to regularly submit scientific abstracts, posters and/or manuscripts to professional associations and publishers with the intent to present at conferences or publish in peer-reviewed journals.

The sections below provide further details for each type of scholarly activity.

Community Service and Education

Residents will be encouraged to participate in community events focused on delivering medical care to under-serviced or impoverished areas of the population. Tracking and recording of these efforts will be required.

A. Suggestions for residents:

1. Medical Explorers – one hour credit
2. Hernia clinics – one hour credit for each hour worked
3. Stop the bleed
4. Teaching Medical students (see “resident teaching role” for additional details)
5. Volunteer time for approved non-profit health agencies – one hour credit for each hour worked.
6. Other volunteer work for credit must be approved in advance by the Program Director

Faculty Research and Scholarly Activity

Core teaching faculty will be required to demonstrate involvement in resident research projects by providing guidance and support to residents. In addition, teaching faculty will be required to participate in clinical discussions and conferences along with on-site faculty development and training. All faculty will be encouraged to participate in national and regional professional organizations related to the ACGME and ACOS.

Faculty are responsible for committing and scheduling time to support the scholarly activities of residents. During such time, faculty provide direct consultation & advisement on research topics & the research process and provide ongoing guidance throughout the entire project timeline. Faculty also select peer-reviewed and clinically significant research articles for residents to review, appraise & present during journal club activities.

Faculty are also responsible for the development & implementation of their own scholarly activities in order to expand their own knowledgebase and contribute to the body of literature in their specialties. Details of these activities can be found in Part III of this summary.

Journal Club

All reading assignments are mandatory and provide a meaningful program of self-directed learning for each resident. The resident is required to attend the monthly Surgical Journal Club meetings and shall review the subject matter assigned to him/her by the faculty or senior surgical resident. These activities are intended to assist residents in critically analyzing their own care against the most up-to-date information on diagnosis and treatment effectiveness. Residents are also assigned topics for presentation that expand upon active and recent clinical cases on the teaching services as well as reinforce important curricular areas.

The reading assignment should closely follow the SCORE curriculum in reference to the assigned topics to be covered at each level of training. In addition specific texts will be listed for required reading over the 5 year period. These supplemental texts are to be used to review the disease and surgical treatment according to the daily surgical schedule and will be reviewed and updated accordingly. Journal club will be supervised by a Board Certified physician as assigned by the Program Director.

Morbidity and Mortality Conference

Residents will review patient deaths and complications, as well as a review of interesting cases, and will submit written summaries of individual cases for this conference. The program director reviews the cases and determines which cases are to be presented. The focus will be on education. This conference will be directed and supervised by a Board Certified physician as assigned by the Program Director.

National Convention and Conferences

Residents will be required to attend 1 ACOS Annual Postgraduate Seminar or 1 Annual Meeting starting in the fifth year of residency. Allocation of funds will be made available for resident's attendance.

Quality Projects & Teams

All residents are required to participate in a quality team and or project within the base hospital institution. These quality projects include quality measures, patient safety and risk management. Residents are required to be knowledgeable on the base hospital's policy on reporting medical errors and near misses. This includes specific forms, peer review committees, and reporting requirements to Program Directors and/or departments. This will be at the discretion of the Program Director and base institution.

COMMUNITY-BASED EFFORT QUALITY IMPROVEMENT PROJECT Residents may select a specific health improvement or disease prevention issue or need within the community. The Resident must identify a population of interest within a community, summarize the problem and the population, review the current literature, perform a needs assessment, and design, implement and evaluate an intervention to address the issue or need.

MEDICAL EDUCATION QUALITY INITIATIVE IMPROVEMENT PROJECT The aim of this type of project is to provide more effective training processes and programs for medical students, interns and residents. Residents who wish to pursue a Medical Education Quality Initiative project must identify a process or program need, review the current literature, perform a needs assessment, and design, implement and evaluate the proposed improvement project. For example, a resident could prepare three lectures to be given in three different mediums to the house staff, then measure the impact of those lectures by evaluating the effectiveness of the resident as a lecturer and testing the knowledge retained by attendees.

Resident Teaching Role

Resident will learn supervisory skills by observing and learning from the example of their mentors and teaching faculty. In addition, residents will develop lectures, curriculum outlines, and testing materials and serve as lecturers and peer mentors based on requirements for students and residents throughout the program year. This will be accomplished through local resident didactic lectures and via Video conferencing.

ResQIPS Curriculum and Workshop Series

Residents must be well-versed in inquiry: research, quality improvement, leveraging human and electronic resources, and applying research findings to improve patient care. To support these efforts HonorHealth has developed an innovative framework and curriculum called ResQIPS (Research, Quality Improvement and Patient Safety) linking education and support on QI/PS activities to scholarship with the intent of increasing scholarly projects and improving outcomes. ResQIPS is designed to support the advancement of research, quality improvement and scholarship for the network's medical residency programs and, more broadly, across multiple disciplines in the network. The ResQIPS learning objectives for the series include:

- Design a significant clinical question that aligns with the ResQIPS Framework
- Describe the steps involved in conducting investigator-initiated human subject research & prepare for IRB application submission
- Use Quality data and tools to support practice or improvement initiatives
- Describe methodology and design considerations for QI and Research projects
- Identify tools, resources and mentors needed to support research activities
- Develop a scholarly project
- Collect and analyze data
- Disseminate findings through local, regional or national presentations and/or through peer-reviewed journal article publication

The curriculum is offered as a series of mandatory workshops with individual mentoring support offered to residents and other learners between workshops. Resident, Faculty and IPE projects are showcased to the organization in poster and presentation sessions annually.

Scholarly Activities & Research Papers

All residents will be required to complete specified scholarly activities, in accordance with ACGME scholarly activity and research requirements and ACS Level 1 Trauma Verification requirements.

Scholarly activities include, but are not limited to, the following:

- a retrospective or prospective research project;
- journal club, case presentations; symposium, poster and abstract presentations;
- community-based and medical-education based quality improvement projects;
- practice improvement projects;
- technique descriptions and/or essays suitable for publication;
- a scientific research paper for General Vascular Surgery, Plastic/Reconstructive Surgery, Surgical Critical Care or Cardiothoracic Surgery.

Residents will provide a detailed description of all scholarly activities with documentation, as necessary. Scholarly activity reports will be filed and are subject to review by site visitors/auditors during periodic reviews of the program for continuing accreditation.

It is recommended that reviews of scholarly activity be done on at least a quarterly basis. It is imperative that written documentation of all aspects of the resident's scholarly activities be maintained in the resident's file. Program Directors need to be kept informed of the status of each resident's efforts in order for a narrative description and evaluation of their scholarly activity to be included in the Program Director's Annual Resident Evaluation Report for Surgery.

SCHOLARLY RESEARCH PROJECT Residents will complete a scholarly research project annually in one of four areas to include: Clinical Research, Community Based, Medical Education and Practice Improvement. The Program Director will approve all resident research projects. Residents will be expected to attend regular sessions for review and evaluation of their progress with their Program Director, which should include discussion of study design and analysis.

HonorHealth John C. Lincoln Medical Center and Midwestern University both have resources available to assist residents in the design, development and publication of scholarly papers.

Research training will be provided to residents via lecture, journal club sessions and other workshops or webinars as needed. Residents also attend the HonorHealth Research, Quality Improvement and Patient Safety half-day conferences (ResQIPS) which are collaborative, interprofessional events planned by Academic Affairs, Quality, HonorHealth Research Institute, Center for Clinical Excellence and Library Services. Training includes:

- CITI human subject protections training;
- understanding the significance of a scientific study or project and how it addresses important clinical problems and/or critical barriers to progress in the field;
- identification of improvements made to scientific knowledge, technical capability and clinical practice when projects aims are achieved;
- recognition of changes in various aspects, methodologies, technologies, services, and therapies & preventative interventions when project aims are met;
- formulation of specific, researchable clinical queries and familiarity with the PICOT algorithm;
- performing a literature search using reference databases and literature citation management software; creation of an annotated bibliography;
- critical appraisal of primary research literature, including analyzing the appropriateness of research designs and statistical methods, and relevance to patient care that the resident provides.

- defining independent and dependent variables and outcomes of impact to clinical practice
- understanding of other research-related concepts, including research designs, scientific methods, data collection & statistical analysis, and dissemination of new information through reports and publications

PREPARATION AND SUBMISSION OF MANUSCRIPTS, PAPERS AND PROGRESS REPORTS

Residents will adhere to the following:

- A. All manuscripts must be typed and submitted in an appropriate format acceptable for publication in a standard scientific refereed journal.
- B. An abstract must accompany each manuscript. The cover sheet must list the program for which credit is to be applied and a statement that the resident is the primary author, or performed substantive participation in the study and that the paper has been reviewed and approved. This must be signed and attested to by the Program Director. Manuscripts shall be submitted in one of the following formats only:
 1. A case presentation of a first reported case or other unusual manifestations of a disease which will add to the medical literature, which should include a review of the literature and discussion (acceptable only if submitted for publication).
 2. A report of an original clinical research study approved by the Program Director and the institutional review board.
 3. A case presentation and discussion which challenges existing concepts of diagnosis or treatment and thus recommends further investigation.
- C. Initially, the resident should submit a written proposal to the Program Director for review and approval and prepared under the supervision of the Program Director or another physician approved by the Program Director. Residents may work jointly on an original clinical research project, provided a progress report and written approval of the Program Director is included in Part II of the Resident Annual Report. Residents may not work jointly on case reports. Residents shall submit the required manuscript within thirty (30) days of completing the final year of training.
 1. Program Directors will document the status of all research as part of the Resident Semi-Annual Evaluations.

RESEARCH TIMELINE Residents are expected to select a research project during the PGY-2 year. This project must be reviewed and discussed with the program director, mentor or faculty advisor. Appropriate timelines will be determined in order to complete research. Program Directors will not sign off on promotion and/or program graduation if research projects are incomplete.

SICU/Trauma/Burn Conference

Weekly conferences will be provided to residents and will feature important topics in critical care, trauma, and burn surgery. Topics are chosen by the attending/teaching surgeons in these divisions at the beginning of each academic year, and approved by the program director.

Junior residents on these services are assigned the topics and asked to prepare a short (20 minute) PowerPoint presentation. Teaching faculty/attending surgeons from these divisions then lead a brief discussion on the topic following the presentation.

PART II – Resources for Scholarly Activity & Research

HonorHealth Research Institute

The HonorHealth Research Institute (HRI) provides both institutional and scientific review for all research activities at the organization, including the scholarly projects of residents and faculty. All research performed at HonorHealth is based on scientific principles and carried out using the highest quality standards. The HRI assists in setting the standard for excellence in personalized healthcare by developing a culture of inquisitiveness, leading to the provision of the best evidence-based medicine to patients and the community. HRI provides the following:

- research administration staff responsible for ensuring that all research performed at HonorHealth is in compliance with relevant state and Federal requirements and that it fulfills the HonorHealth mission;
- documentation to guide researchers through the process of both investigator- and sponsor-initiated studies;
- guidance on scientific and institutional review board submissions;
- access to human subject protections training;
- access to local resources, including statisticians and other personnel experienced in research;
- Office of Sponsored Programs (OSP), which is responsible for supporting researchers in the identification and submission of grants.

HonorHealth Library Resources

ACCESSIBILITY HonorHealth Osborn Medical Center, Shea Medical Center and John C Lincoln Medical Center libraries provide 24/7 access to single workstations as well as meeting/collaboration space. The libraries also maintain a Web-based library portal which is available on-site through the employee intranet and off-site through Athens (authentication software). Librarians provide mobile app support for several key resources:

- UpToDate clinical decision support system
- Elsevier's ClinicalKey resource which contains the FirstConsult clinical decision support system along with thousands of high-impact electronic textbooks and journals, practice guidelines, over 340 procedure/skills videos, image library and PresentationMaker component to support presentations

- Micromedex drug information, IV compatibilities, drug/herbal/food interactions, other pharmaceutical tools & calculators; also includes Pediatric Essentials & NeoFax Essentials
- McGraw-Hill's Access Medicine resource which contains more than 100 fulltext medical books, a multimedia library, Diagnosaurus differential diagnosis tool, case studies, self- assessment resources and customizable patient education handouts.

LIBRARIAN SUPPORT A wide range of library services are provided by the HonorHealth librarian team, which consists of 4.0 FTE American Library Association accredited medical librarians. Outside of physically staffed hours, librarians can be emailed or contacted by phone at the health science library locations.

Personalized services available at HonorHealth libraries include:

- Mediated (librarian-assisted) literature searching using databases and search engines that access published and unpublished evidence (results delivered with 48 hours of receiving request)
- Mediated “state of the science” literature reviews, including a synopsis of findings and critical appraisal of the literature, to support patient care needs
- Mediated searching for acute & chronic disease management and general health & wellness information for patients & families (results delivered within 48 hours of receiving request)
- Research consultations, including research question brainstorming and development using the PICOT algorithm, identification of appropriate resources for searching, search strategy development and database manipulation guidance
- Citation management, presentation and publishing support, including identification of appropriate journals to consider for submission and formatting, reference lists and footnoting support according to publisher’s instructions for authors.
- Document retrieval & delivery (delivery frequently same-day, otherwise 1-3 days of receiving request)
- One-on-one and small group training on all library databases & tools, ranging from quick overviews of resources & research tools to advanced/expert search strategy training
- Technical assistance and training for the UpToDate clinical decision website and mobile app, the ClinicalKey site and mobile app, the Access Medicine site and mobile app and the Micromedex suite and mobile apps.
- Meeting and collaboration space, which includes an LCD TV and conference table with electrical outlets

- Provision of reliable, easy-to-read, evidence-based consumer health & wellness resources for patients & families as well as for residents & faculty as they communicate with and educate their patients
- Health literacy consultation services, including review of proposed patient education & discharge instructions and recommendations to improve readability and comprehension, which improves patient outcomes overall and reduces hospital readmissions

CONTENT – GENERAL HonorHealth Library Services provide access to numerous print & electronic resources. Many have been acquired through membership to the Arizona Health Information Network (AZHIN), a statewide consortium uniting communication technology and resource access in the Arizona health care and health education communities. Other resources are acquired through Library Service’s operation budget and HonorHealth Foundation funding. Resources include:

- Evidence-based medicine (Cochrane Library, MedCalc3000, UpToDate, FirstConsult)
- Journal literature databases (PubMed, Ovid Medline, Ebsco Medline with Full Text, CINAHL Complete, Health Business Elite)
- Research and scholarly project tools (research instruments/scales, theses/dissertations)
- Faculty resources (ProceduresConsult, 2 minute medicine resource, Teacher Reference Center)
- eBooks, Full-text (Access Medicine, ClinicalKey, STAT!Ref, Ovid Books)
- eJournals, Full-text (JAMA and JAMA Archives, Lancet, NEJM, and thousands more through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections)
- Drug information (Micromedex and Lexi-Comp via UpToDate)
- Herbals & Supplements (Alternative Medicines database within Micromedex)

See Appendix A for detailed descriptions of these resources.

Electronic resources are easily accessible on-site via the employee/intranet site. They are also accessible off-site through authentication software (Athens). Athens accounts are assigned upon request.

CONTENT – SUBJECT-SPECIFIC HonorHealth Library Services provides access to a variety of electronic and print resources to directly support the educational & reference needs of General Surgery residents & faculty, including textbooks, journals and multimedia content.

See Appendix for a detailed listing of subject-specific resources.

PART III – Inventory of Scholarly Activities

Resident Activities

PANEL DISCUSSION & PUBLIC SERVICE

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Hayley Springs, DO	PGY2	Medical Explorers Suture Workshop	2/20/2019
Christopher Myers, DO	PGY5	Medical Explorers Suture Workshop	2/20/2019
Byron Holloway, DO	PGY5	Medical Explorers Suture Workshop	1/10/2019
Whitney Wilson, DO	PGY3	Medical Explorers Suture Workshop	1/10/2019
Ali Abidali, DO	PGY3	Medical Explorers Suture Workshop	1/10/2019
Whitney Wilson, DO	PGY3	Stop The Bleed	10/18/2018
Hayley Springs, DO	PGY2	Stop The Bleed	10/18/2018
Christopher Myers, DO	PGY5	Medical Clerkship Open House	10/04/2018
Hayley Springs, DO	PGY2	Medical Clerkship Open House	10/04/2018
Whitney Wilson, DO	PGY3	Medical Clerkship Open House	10/04/2018
Hayley Springs, DO	PGY2	Stop The Bleed	10/3/2018
Whitney Wilson, DO	PGY3	Stop The Bleed	10/3/2018

PRESENTATIONS/POSTERS/ABSTRACTS

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Whitney Wilson, DO	PGY 3	Poster Presentation: "The Optimal Timing of Chest Tube Removal Following Muscle-Sparing Minimally Invasive Operative Rib Fixation" University of Arizona Academic Excellence Day, Phoenix, AZ	May 2019
Hayley Springs, DO	PGY 2	Podium: "The Role of HbA1c and Blood Glucose in Trauma Outcomes" University of Arizona Academic Excellence Day, Phoenix, AZ	May 2019
Ann Wells Holloway DO	PGY5	Poster Presentation: "Is VATS Dead?" University of Arizona Academic Excellence Day, Phoenix, AZ	May 2019

Ann Wells Holloway, DO	PGY 5	Podium: "Ground Level Falls: Injury Severity Worse than Expected?" Southwest Surgical Conference, Huntington Beach, CA	April 2019
Ann Wells Holloway, DO	PGY 5	Poster Presentation: "Pediatric Brachial Artery Aneurysm: Multidisciplinary Approach and Literature Review" Mountain West Society of Plastic Surgeons, South Lake Tahoe, CA	March 2019
Ann Wells Holloway, DO	PGY 5	Podium: "The optimal timing of chest tube removal following muscle sparing minimally invasive operative rib fixation" 10 th Annual Southwest Trauma & Acute Care Consortium, Scottsdale AZ	Nov 2018
Ali Abidali, DO	PGY 3	Abstract/Oral Presentation: Alcohol Withdrawal: Increase Benzodiazepine Dose or Switch to Phenobarbital" 10 th Annual Southwest Trauma & Acute Care Consortium, Scottsdale AZ	Nov 2018
Ann Wells Holloway, DO	PGY5	Poster Presentation: "Is VATS Dead?" 10th Annual Southwest Trauma & Acute Care Consortium, Scottsdale AZ	Nov 2018
Christopher Myers, DO	PGY5	Abstract/Oral Presentation "Laparoscopic Repair of Perforated Peptic Ulcer Disease with Omentopexy"	July 2018

PUBLISHED JOURNAL ARTICLE/ABSTRACT

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Whitney Wilson, DO	PGY3	D Cocco, J Davis, A Kowal-Vern, W Wilson, I Komenaka, M R Matthews, K Foster. "Necrotizing Fasciitis of the Male and Female Breast: A Case Series" The Internet Journal of Plastic Surgery. 2019 Volume 14 Number 1, p 1-7.	March 2019

RESIDENCY BASIC SCIENCE CONFERENCE

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Adriana Castro, MD	PGY1	Interesting Case: Gallstone Ileus	4/11/2019
Ryan Holden, DO	PGY2	Interesting Case: Diverticulitis	4/4/19
Josiah Wagler, DO	PGY4	Interesting Case: Blunt Abdominal Aortic Trauma	4/4/2019
Hayley Springs, DO	PGY2	Interesting Case: Renal Cell Carcinoma Metastasized to the Thyroid Gland	3/28/19
Whitney Wilson, DO	PGY3	Interesting Case: Sarcoma	3/21/2019
Ali Abidali, DO	PGY3	Interesting Case: Liver Laceration	3/21/2019
Ryan McPherson, DO	PGY4	Interesting Case: Cocoon Syndrome	3/14/2019
Josiah Wagler, DO	PGY4* as of Feb 2019	History of Surgery: Time Me Gentlemen; The Legend of Robert Liston	3/7/2019
Adriana Castro, MD	PGY1	History of Surgery: History of ICU/Critical Care	2/28/2019
Hayley Springs, DO	PGY2	History of Surgery: History of Surgical Scams, Shams and Scandals	2/28/2019
Ryan Holden, DO	PGY2	History of Surgery: History of Vascular Surgery	2/21/2019

Whitney Wilson, DO	PGY3	History of Surgery: History of Laparoscopic Surgery	2/21/2019
Ali Abidali, DO	PGY3	History of Surgery: History of a Surgical Sociopath	2/14/2019
Ryan McPherson, DO	PGY4	History of Surgery: History of the 80 Hour Work Week	2/14/2019
Dinesh Kumar, MD	PGY1	Nutrition & Metabolism	1/10/2019
Ali Abidali, DO	PGY3	Organ System Dysfunction	1/10/2019
Christopher Myers	PGY5	ABSITE Review	1/17/2019
Byron Holloway, DO	PGY5	ABSITE Review	1/17/2019
Ann Wells Holloway, DO	PGY5	ABSITE Review	1/17/2019
Hayley Springs, DO	PGY2	Coagulation	12/20/2018
Ryan Holden, DO	PGY2	Vascular – Venous & Access	12/13/2018
Josiah Wagler, DO	PGY3	Endocrine (w/o Adrenal)	12/6/2018
Byron Holloway, DO	PGY5	Transplant/Immunology	11/29/2018
Ann Wells Holloway, DO	PGY5	Head and Neck	11/15/2018
Christopher Myers, DO	PGY5	Pancreas - Exocrine	11/1/2018
Ryan McPherson, DO	PGY4	Pancreas – Cysts & Neuroendocrine	10/25/2018
Adriana Castro, MD	PGY1	Anesthesia	10/18/18
Ryan Holden, DO	PGY2	Small Intestine	10/11/2018
Hayley Springs, DO	PGY2	Esophagus 3 of 3	10/4/2018
Ali Abidali, DO	PGY3	Esophagus 2 of 3	9/27/2018
Whitney Wilson, DO	PGY3	Esophagus 1 of 3	9/20/2018
Josiah Wagler, DO	PGY3	Pediatrics 1 of 4	9/13/2018
Adriana Castro, MD	PGY1	Spleen	9/6/2018
Dinesh Kumar, MD	PGY1	Surgical Infections	8/30/2018
Whitney Wilson, DO	PGY3	Inguinal & Femoral Hernias	8/23/2018
James Dunn	in-service	In-service Advanced Hemodynamic Monitors	8/16/2018
Byron Holloway, DO	PGY5	Liver	8/9/2018
Hayley Springs, DO	PGY2	Bariatrics	8/2/2018
Christopher Myers, DO	PGY5	Benign Biliary 2 of 2	7/26/2018
Ann Wells Holloway, DO	PGY5	Benign Biliary 1 of 2	7/19/2018
Ryan McPherson, DO	PGY4	Fluids & Electrolytes	7/12/2018
Ryan Holden, DO	PGY2	Perioperative Evaluation 1 of 2	7/5/2018

RESIDENCY JOURNAL CLUB

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
TBD			May 2019
Ryan Holden, DO	PGY2	Blunt traumatic scapular fractures are associated with great vessel injuries in children	April 2019
Ann Wells Holloway, DO	PGY5	Dynamic coagulability after injury: Is delaying venous thromboembolism chemoprophylaxis worth the wait?	April 2019
Whitney Wilson, DO	PGY3	Observing pneumothoraces: The 35-millimeter rule is safe for both blunt and penetrating chest trauma	April 2019
Christopher Myers, DO	PGY5	Outcomes after single-look trauma laparotomy: A large population-based study	April 2019

Byron Holloway, DO	PGY1	Preservation of Splenic Immunocompetence After Splenic Artery Angioembolization for Blunt Splenic Injury	April 2019
Dinesh Kumar, MD	PGY1	7 versus 14 days of antibiotic treatment for critically ill patients with bloodstream infection: a pilot randomized clinical trial	March 2019
Christopher Myers, DO	PGY5	No wire? No problem: Resuscitative endovascular balloon occlusion of the aorta can be performed effectively and more rapidly with a wire-free device	February 2019
Ryan McPherson, DO	PGY4	Long-term clinical, radiological and histological follow-up after complex ventral incisional hernia repair using urinary bladder matrix graft reinforcement: a retrospective cohort study	February 2019
Ryan Holden, DO	PGY2	Randomized Comparison of Strategies for Type B Aortic Dissection. The investigation of STEnt graphs in aortic dissection (INSTEAD) trial	February 2019
Adriana Castro, MD	PGY1	Completion dissection or observation for sentinel-node metastasis in melanoma	February 2019
Ann Wells Holloway, DO	PGY5	The Difficult Gallbladder: A Safe Approach to a Dangerous Problem	November 2018
Hayley Springs, DO	PGY2	Opioid Policies Based On Morphine Milligram Equivalents Are Automatically Flawed	November 2018
Adriana Castro, MD	PGY1	Surgery students 'losing dexterity to stitch patients'	November 2018
Byron Holloway, DO	PGY5	Efficacy and economic assessment of conventional ventilator support versus extracorporeal membrane oxygenation for severe adult respiratory failure (CESAR): a multicenter randomized controlled trial	October 2018
Christopher Myers, DO	PGY5	Citrated kaolin thrombelastography (TEG) threshold for goal-directed therapy in injured patients receiving massive transfusion	October 2018
Ryan McPherson, DO	PGY4	Characterizing injury severity in nonaccidental trauma: Does Injury Severity Score miss the mark?	October 2018
Hayley Springs, DO	PGY2	Safety of early tracheostomy in trauma patients after anterior cervical fusion	October 2018
Dinesh Kumar, MD	PGY1	Injury in the transgender population: What the trauma surgeon needs to know	October 2018
Christopher Myers, DO	PGY5	Role of liver biopsy in nonalcoholic fatty liver disease	September 2018
Ali Abidali, DO	PGY3	Centers for Disease Control and Prevention Guideline for the Prevention of Surgical Site Infection	September 2018

Whitney Wilson, DO	PGY3	Emergency general surgery in geriatric patients: A statewide analysis of surgeon and hospital volume with outcomes	September 2018
Hayley Springs, DO	PGY2	Effectiveness of computed tomography scanning to detect blunt bowel and mesenteric injuries requiring surgical intervention: A systematic literature review	September 2018
Adriana Castro, MD	PGY1	Women at the Helm of the ACS / How hemorrhage control became common sense	September 2018
Dinesh Kumar, MD	PGY1	The effects of hemorrhage on the pharmacokinetics of tranexamic acid in a swine model	September 2018
Byron Holloway, DO	PGY5	Bowel Preparation before Elective Surgery	August 2018
Christopher Myers, DO	PGY5	Lap RHC w/ intracorporeal anastomosis: short and long-term benefits in comparison w/ extracorporeal anastomosis/Revisions of international consensus Fukuoka guidelines for the management of IPMN of the pancreas	August 2018
Ryan McPherson, DO	PGY4	Narrowing of the surgical resident operative experience: A 27-year analysis of national ACGME case logs	August 2018
Ryan Holden, DO	PGY2	Review of risk assessment tools to predict morbidity and mortality in elderly surgical patients	July 2018
Adriana Castro, MD	PGY1	Principles of fluid management and stewardship in septic shock: it is time to consider the four D's and the four phases of fluid therapy	July 2018
Dinesh Kumar, MD	PGY1	Have Recent Modifications of Operating Room Attire Policies Decreased Surgical Site Infections? An American College of Surgeons NSQIP Review of 6,517 Patients.	July 2018
Ryan McPherson, DO	PGY4	Narrowing of the Surgical Resident Operative Experience: A 27-year Analysis of National ACGME Case Logs.	July 2018
Ann Wells Holloway, DO	PGY5	Emergency general surgery in geriatric patients: A statewide analysis of surgeon and hospital volume with outcomes	July 2018

Faculty Activities

PRESENTATIONS/POSTERS/ABSTRACTS

Faculty Name(s)	Scholarly Project Title	Completion Date
Mangram, A	Presented: "Clinical Teaching on the Fly" 2019 HonorHealth Faculty Development Conference, Phoenix AZ	April 2019
Mangram, A Hall, ST	Presented: "Use of ARCTIC score for vancomycin dosing in trauma patients at risk for augmented renal clearance". 2019 SCCM Annual Conference; San Diego, CA	Feb 2019
Hall, ST	Presented: "Do initial vancomycin trough levels have an effect on outcomes in patients with MRSA bacteremia?" 2019 SCCM Annual Conference; San Diego, CA.	Feb 2019
Hall, ST	Presented: "Prolonged use of novel meropenem-vaborbactam in carbapenem-resistant Enterobacteriaceae: a case report." 2018 ACCP Global Conference on Clinical Pharmacy; Seattle, WA	Oct 2018
Hall, ST	Presented: "Evaluation of daptomycin plus ceftaroline outcomes in persistent methicillin-resistant Staphylococcus aureus bacteremia." 2018 ACCP Global Conference on Clinical Pharmacy; Seattle, WA.	Oct 2018
Hall, ST	Presented: "Staphylococcus pseudintermedius infections: case report from a man's best friend." 2018 ACCP Global Conference on Clinical Pharmacy; Seattle, WA.	Oct 2018
Mangram A	Presented: "Understanding G60 Trauma in 2018: G60 Past and Future" HonorHealth, Phoenix AZ	July 2018
Sucher JF	Presented on Radio Program: "G60 Trauma"	June 2018
Sucher, JF	Presented: "Disaster Preparedness for Mass Casualty Incidents – Lessons Learned in Afghanistan" AMES Odyssey Conference, Phoenix AZ	May 2018
Mangram AJ, Shirah GR, Sucher JF, Ali- Osman, Abidali A, Hall, ST Dzandu, JK.	Presented: "The Relationship Between the Pre-Hospital Use of Ketamine and Mechanical Ventilation Trauma Patients." Southwest Surgical Congress, 70th Annual Meeting. Napa, CA.	April 2018
Mangram, A	Presented: "G60 Trauma Past, Present & New Surgical Innovations" Stanley J Dudrick Lecture Series, University of Texas Health Science Center.	Mar 2018
Sucher JF, Mangram, A, Dzandu, J	Presented Poster: "Cage Alcohol Screening in Trauma – Are G60 Patients at Greater Risk for Alcohol Withdrawal?" TQIP	Nov 2017
Mangram,A	Presented: "80 is the new 60, 70 is the new 50, 60 is the new 40" 1st Annual Fleming Geriatric Trauma Conference, Allentown PA	Nov 2017
Sucher JF	Presented: "Disaster Preparedness for Mass Casualty Incidents – Lessons Learned in Afghanistan" STACS, Scottsdale AZ	Nov 2017
Hall, ST	Presented: "Clostridium difficile: a case of transmission from a healthcare worker to their child." 2017 ACCP Annual Meeting; Phoenix, AZ.	Oct 2017
Hall, ST	Presented: "Lacosamide for early post traumatic seizure prophylaxis in traumatic brain injury." 2017 ACCP Annual Meeting; Phoenix, AZ.	Oct 2017
Hall, ST	Presented: "Risk of acute kidney injury in critically-ill patients receiving concomitant vancomycin and piperacillin-tazobactam compared to vancomycin and cefepime." 2017 ACCP Annual Meeting; Phoenix, AZ.	Oct 2017
Sucher, JF, Mangram, A, Shirih, G, Ali- Osmon, F, Dzandu, J	Presented Poster: "Geriatric Trauma Patients with Isolated Hip Fractures – No Transfusion Goes Unpunished" AAST	Sept 2017

Mangram, A	Presented: "Geriatric Trauma" Acute Nursing Care Symposium	Sept 2017
Mangram, A MD	Presented: "Hips and Head Bleeds in Geriatric Patient Falls" AEMS Odyssey	June 2017
Hall ST	Presented: "New opiates of abuse. From A to Z: Clinical Pearls for Pharmacists." Arizona Pharmacy Association 2017 Annual Convention and Trade Show; Tucson, AZ	June 2017
Mangram, A MD	Presented: Chest Wall Injury Summit, Techniques and Exposure Lab	Mar 2017
Mangram, A MD	Presented: "Longitudinal Learning: Maintaining Professional Competence and Excellence over the Course of Your Career" Diversity & Mentorship in Medicine	Mar 2017
Ali-Osman, F MD	Presented: Chest Wall Injury Summit, Techniques and Exposures Lab	Mar 2017
Ali-Osman, F MD	Presented: "Surgical Stabilization of rib fractures rib fracture colloquium clinical practice guidelines"	Feb 2017
Chamberlain RS	Presented: "Readmission after COPD Exacerbation(RACE) Scale: Determining 30-Day Readmission Rate" Academic Surgical Congress, Las Vegas NV	Feb 2017
Ovil, A	Presented: "The CESAR Trial: A critical Review of the frequently quoted evidence for ECMO" University of Michigan Surgical Critical Care Journal Club, Ann Arbor MI	2017
Mangram, A MD	Presented: "G-60 Geriatric Trauma – Building a G-60 Trauma Service" 39 th Annual American College of Surgeons – Committee on Trauma Advances in Trauma	Dec 2016
Mangram, A MD	Presented: "Rib Fixation Using Minimally Invasive Muscle Sparing Thoracotomy in Geriatric Trauma Patients" 39 th Annual American College of Surgeons – Committee on Trauma Advances in Trauma	Dec 2016
Mangram, A MD	Presented: "Process Improvement: Closing the Loop" 8 th Annual Southwest Trauma & Acute Care Consortium	Nov 2016
Ali-Osman, F MD	Presented: "Operative Rib Fixation Using Minimally Invasive Muscle Sparing Thoracotomy in Geriatric Patients" Arizona Trauma Association Annual Meeting:	Nov 2016
Ali-Osman, F MD	Presented: "Operative Rib Fixation Using Minimally Invasive Muscle Sparing Thoracotomy (MSMIT) in Geriatric Trauma Patients" TQIP Annual Meeting	Nov 2016
Mangram, A MD	Presented: "The Future of Geriatrics: A Person-Centered Paradigm", oral presentation " Better Call an Ambulance" The Older Adult in the Emergency Center" Arizona Geriatric Society Fall Symposium	Oct 2016
Mangram, A MD; Shirah, G.	Presented poster "Tackle Trauma 5K Run/Walk": Trauma Center Association of America Annual Meeting	Oct 2016
Rassadi R	Presented: "General Surgery Abdominal Emergencies", HonorHealth Trauma and General Surgery Educational Lecture CME, May 24, 2016	May 2016
Dzandu J Ali-Osman,F, Mangram A, Shirah, G, Sucher, J, Hollingworth, F	Presented: F Ali-Osman, A Mangram, G Shirah, J Sucher, A Hollingworth, F Oguntodu, J Dzandu. "Rib Fixation Using the Muscle Sparing Minimally Invasive Thoracotomy Technique Is Associated with Improved Pulmonary Function." Southwestern Surgical Congress 2016	April 2016
Sucher, JF	Presented: "Combat Medicine" Arizona Emergency Medical Services Conference, Phoenix AZ	June 2016
Sucher JF	Presented: "Geriatric Trauma – Then, Now, and the Road Ahead" CalSTAR CE Conference, Ukiah CA	April 2016
Sucher JF	Presented: "Geriatric Trauma – Mechanisms, Injuries and Treatment" CalSTAR CE Conference, Ukiah CA	April 2016
Sucher JF	Presented: "Geriatric Trauma – Pearls and Pitfalls" CalSTAR CE Conference, Ukiah CA	April 2016
Hall S	Presented: "Getting to Know Your Pharmacist". Aging Adult Health and Wellness Fair, HonorHealth John C. Lincoln Medical Center; Phoenix, AZ March 2016	Mar 2016
Durrani S	Presented: "Pheochromocytoma ", HonorHealth Trauma and General Surgery Educational Lecture CME, February 23, 2016	Feb 2016
Ovil, A	Presented: "Financial literacy for the Surgeon" Surgical Grand Rounds WVU, Morgantown WV	2016

Mangram A	Presented: "Innovation in Geriatric Trauma: Become a Leader in the New Trauma Culture Change", 4 th International Conference on Nursing & Healthcare, San Francisco, CA October 5, 2015	2015
Mangram A	Presented: "Geriatric Trauma – The Evolution of G60 and Innovative Management Strategies", Surgery College of Medicine, Chicago, IL (August 19, 2015).	2015
Mangram A	Presented: "G-60 Past, Present, Future". AEMS Odyssey (June 2015).	2015
Mangram A	Presented: Mangram A, Rodriguez F, Oguntodu O, Dzandu J. "Laparoscopic Nissen Fundoplication Using A Left Posterior Approach Minimizes Esophageal Injury: Our Experience" (April 2015). Southwestern Surgical Congress Annual Meeting, Monterey CA	2015
Mangram A, Dzandu J	Presented abstract: Mangram A, Zhou N, Sohn J, Hollingworth A, Ali-Osman F, Sucher J, Moeser M, Moyer J, Dzandu J. "Pleural Effusion Following Rib Fractures in the Elderly: Are We Being Aggressive Enough?" Southwestern Surgical Congress Annual Meeting, Monterey CA. (April 2015).	2015
Mangram A Dzandu J	Presented abstract: Mangram A, Oguntodu O, Barletta J, Hall S, Cung C, Rodriguez J, Dzandu J. "Three Versus Four-Factor Prothrombin Complex Concentrates to Reverse Oral Anticoagulation In Patients Following Trauma." Southwestern Surgical Congress Annual Meeting, Monterey CA. (April 2015).	2015
Mangram A, Dzandu J	Presented Scientific Paper Abstract : Mangram A, Sohn J, Zhou N, Hollingworth A, Ali-Osman F, Sucher J, Moyer M, Dzandu J. "Trauma-Associated Pneumonia: Time to Redefine ventilator-Associated Pneumonia In Trauma Patients." Surgical Congress Annual Meeting, Monterey CA. (April 2015).	2015
Mangram A Dzandu J	Presented: "Geriatric Falls and Hip Fx". Western Trauma Association (March 2015)	2015
Sucher JF	Presented: "Blunt and Penetrating Trauma – From Injury to Recovery" Phoenix Fire Department CE Conference, Phoenix Az	2015
Sucher JF	Presented: "Bullets and Bandages – Thoracic Trauma in Combat". The Arizona Society of Respiratory Care Conference – Phoenix, Arizona; September 1, 2015	2015
Sucher JF	Presented: "Infectious Diseases and War – A Historical Review". North Mountain John C Lincoln Hospital Surgical Grand Rounds – Phoenix, Arizona; July 28, 2015	2015
Sucher JF	Presented: "Infectious Diseases and War – A Historical Review". Honor Health Medical Staff Retreat, Santa Monica, California; June 7, 2015	2015
Sucher JF	Presented: "EMS Hand--off in Geriatric Trauma". First Annual G60 Conference – Phoenix, Arizona; May 21, 2015	2015
Sucher JF	Presented: "Mechanisms of Geriatric Injury – and More". First Annual G60 Conference – Phoenix, Arizona; May 21, 2015	2015
Dzandu J	Presented: Mark Seifert, James Dzandu. "Catheter Ablation of Atrial Fibrillation Using a Sensor-Based Navigation System to Achieve Near Zero Fluoroscopy Time and Enable Same-Day Hospital Discharge: Initial Experience at a Community Hospital." Heart Rhythm Conference, Boston MA, 2015.	2015
Dzandu J	Presented: Mark Seifert, James Dzandu. "Catheter Ablation of Atrial Fibrillation using a Sensor-Based 3-D Navigation System is safe and Effective: A Community Hospital-based Experience." Heart Rhythm Conference, Boston MA, 2015.	2015
Hall S	Presented: Kim JJ, VanDenBerg C, Huang V, Hall S, Barletta J. "Evaluation of tigecycline and its role in mortality." 2015 ACCP Global Conference on Clinical Pharmacy; San Francisco, CA. October 2015	2015
Mangram A, Sucher JF, Hall S	Presented: Kim JJ, Sucher JF, Robinson LB, Mangram A, Huang V, Hall S, Barletta J. "Brevundimonas vesicularis pneumonia post equestrian injuries: a culture confirmed case report." 2015 ACCP Global Conference on Clinical Pharmacy; San Francisco, CA. October 2015	2015
Hall S	Presented: "Anticoagulation Reversal" Emergency Medicine Educational Series, HonorHealth John C. Lincoln Medical Center; Phoenix, AZ October 2015	2015
Hall S	Presented: "Hard Pills to Swallow: Drugs and Dysphagia". Speech Therapy inservice, HonorHealth John C. Lincoln Medical Center; Phoenix, AZ, September 2015	2015
Hall S	Presented: "Hey Pharmacist! Common Questions About Drugs in the ED" Emergency Medicine Educational Series, HonorHealth John C. Lincoln Medical Center; Phoenix, AZ September 2015	2015

Hall S	Presented: "2015 Update on Designer Drugs of Abuse." EMS Lecture Series, HonorHealth John C. Lincoln Medical Center; Phoenix, AZ September 2015	2015
Mangram AJ, Hall S, Dzandu JK	Presented: Mangram AJ, Oguntodu OF, Barletta JF, Hall S, Cung C, Rodriguez J, Dzandu JK. "Three versus four factor prothrombin complex concentrates to reverse oral anticoagulation in patients following trauma." Southwest Surgical Congress 67th Annual Meeting. Monterey, CA. April, 2015	2015
Ovil, A	Poster Presentation: " Predictors of Neurological Deficits following Endovascular Repair of Dissection vs Non-dissection in Aortic Pathology" Society for Clinical Vascular Surgery, March 29-April 2 2015, Miami FL	2015
Ovil, A	Presented: " Extracorporeal Circulation – A Primer" Surgical Grand Rounds, WVU, Morgantown, WV	2015
Mangram A	Presented: "Outcomes of Hip Fractures in Geriatric Patients Based on Fracture Pattern" Southwest Trauma & Acute Care Symposium (STACS) (November 13-14 2014).	2014
Mangram A, Dzandu J, Sucher, JF	Presented: "Vulnerable Elderly Study Scores (VES 13), Hip Fracture Patterns and Outcomes in Geriatric Trauma Patients" Trauma Quality Improvement Program (TQIP), November 9-11, 2014	2014
Rodriguez F, Dzandu J, Mangram J, Rassadi R	Presented: AJ Mangram, FN Rodriguez, JK Dzandu, R Rassadi . "Accepting the Challenge: General Surgeons Partnering with Hospital Administrators to Manage Quality Care Initiatives." American College of Surgeon Clinical Congress Moscone Center San Francisco, CA October 24-30. 2014.	2014
Sucher J	Presented: "Blood Substitutes in Trauma Surgery". Arizona Trauma and Acute Care Consortium Grand Rounds – Phoenix, Arizona; May 13, 2014	2014
Sucher J	Presented: "First Responders in War Surgery" –Glendale Regional Public Safety Training Center – Glendale, Arizona; April 3, 2014	2014
Sucher J	Presented: "War Surgery – The Impact on Civilian Trauma" – Deer Valley John C Lincoln Hospital Surgical Grand Rounds – Phoenix, Arizona; February 10, 2014	2014
Dzandu J, Mangram A, Hollingworth A, Sucher J	Presented: Alicia Mangram, James K Dzandu, Jacqueline Sohn, Nicolas Zhou. Melissa Moyer, Alexandra Hollingworth, Jallow, Shaun Stienstra, Kalyan Chaliki, Mary Collins, Arleen Steinstra, Cecile D’Huyvetter, Marilyn Byrne, Phillip Moeser, Joseph Sucher. "Understanding Trauma Associated Pneumonia (TAP): Redefining Ventilator Associated Pneumonia (VAP) in Trauma Patients." Trauma Quality Improvement Program (TQIP) Sheraton Hotel, Chicago, IL November 9–11, 2014	2014
Dzandu J, Mangram A	Presented: Olakunle F. Oguntodu, James K. Dzandu, Phillip Moeser, Laura J. Prokuski, Alicia Mangram. "Geriatric Trauma Hip Fracture: Is there a difference in Outcomes Based on Fracture Pattern?" Southwest Trauma & Acute Care Symposium (STACS) Talking Sticks Resort Scottsdale, AZ November 13-14, 2014	2014
Hall S	Presented: "Protect the Patient, Protect Yourself: Safe Practice, State Requirements & Documentation Tips - Pharmacy Perspectives" Nursing Grand Rounds, John C. Lincoln North Mountain Hospital; Phoenix, AZ October 2014	2014
Hall S	Presented: "Short on Propofol Again: Alternative Agents for Procedural Sedation". ED Lecture Series, John C. Lincoln North Mountain Hospital; Phoenix, AZ, October 2014	2014
Lim H	Presented: "The cost of Transfusion May Be More Than Just Harmful" Mercy St Vincent Medical Center, Toledo OH	2014
Lim H	Judge Panelist, 5th Annual Drs MY and Shaheda Ahmed Symposium in Trauma and Critical Care	2014
Diven, C	Presented: "Abdominal Vascular Trauma" AZTRACC	2014
McClain, J	Presented: "A Surgeon’s Experience in Baghdad, Iraq" Maricopa Medical Center Grand Rounds	2014

PROFESSIONAL ACTIVITIES/COMMITTEES

Faculty Name(s)	Scholarly Project Title	Completion Date
Mangram A	Arizona Trauma Association (2009-Present), served as President 2015-2016	Ongoing

Mangram A	Western Trauma Association: Board of Directors 2012 - Current	Ongoing
Mangram A	American College of Surgeons: Re- Appointed Member of Advisory Board, 2012 - Current	Ongoing
Mangram A	Southwestern Surgical Congress: Executive Committee 2009 – Current	Ongoing
Mangram, A	American Association for the Surgery of Trauma 2018 -Current	Ongoing
Ali-Osman F	Arizona Trauma Association 2013 - Present	Ongoing
Ali-Osman F	At Large Member Medical Board (elected) HonorHealth John C. Lincoln Medical Center 2016- Present	Ongoing
Hollingworth A	Co-Chair Medical Student Subcommittee: HonorHealth, 2015-Present	Ongoing
Hollingworth A	Co-Chair Faculty Development: HonorHealth, 2015-Present	Ongoing
Low R	Single Incision Laparoscopic Surgery, 2008-Present	Ongoing
Low R	Laparoscopic Ventral/Incisional Hernia Surgery, 2008-Present	Ongoing
Low R	Laparoscopic Inguinal Hernia Surgery, 2008-Present	Ongoing
Rassadi R	American College of Surgeons, Candidate Member, 2002-Present	Ongoing
Sucher J	Arizona Trauma Association, 2013-Present (served as Vice President 2016-present)	Ongoing
Sucher J	Fellow/Member, The Southwest Surgical Congress, 2008-Present	Ongoing
Sucher J	Fellow, American College of Surgeons, 2007-Present	Ongoing
Sucher J	Member, Society of Critical Care Medicine, 2004-Present	Ongoing
Durrani S	Clinic Instructor of Surgery, 2016-Present	Ongoing
Dzandu J	Institutional Review Board, Consultant and Acting Chairman, Dallas Methodist Health System, 2015-Present	Ongoing
Dzandu J	Trauma Research Manager, HonorHealth John C. Lincoln Medical Center, 2011-Present	Ongoing
Hall S	Infection Prevention Committee (Network) 2017- present	Ongoing
Hall S	Society of Infectious Disease Pharmacists 2017- present	Ongoing
Hall S	Sepsis Committee 2017- present	Ongoing
Hall S	Pharmacy and Therapeutics Committee; HonorHealth. 2015-Present	Ongoing
Hall S	Trauma Performance Improvement Committee; HonorHealth John C. Lincoln Medical Center, 2014-Present	Ongoing
Hall S	Antibiotic Stewardship Committee; HonorHealth John C. Lincoln Medical Center, 2013-Present	Ongoing
Hall S	American College of Clinical Pharmacy, 2011-Present	Ongoing
Hall S	American Society of Health-System Pharmacists, 2007-Present	Ongoing
Hall, S	AZ Pharmacy Association 2007- present (Secretary 2013-14, Treasurer 2014-16)	Ongoing
Bourne C	Fellow, American College of Surgeons	Ongoing
Bourne C	American Society of Breast Surgeons	Ongoing
Chamberlain RS	Healing Hands Humanitarian Medical Relief Organization, 1995-Present	Ongoing
Chamberlain RS	American College of Surgeons 2006 - Present	Ongoing
Chamberlain RS	Editorial Board/Manuscript Review Board, Multiple Peer Reviewed Journals	Ongoing
Ghalyaie N	Fellow, American College of Surgeons	Ongoing
Ghalyaie N	Fellow, American Society of Colon and Rectal Surgeons	Ongoing
Ramalingam M	American College of Surgeons	Ongoing
Ramalingam M	Society of American Gastrointestinal and Endoscopic Surgeons (SAGES)	Ongoing
Diven C	Society of Critical Care Medicine 2012- present	Ongoing
Wallace S	American College of Surgeons 2013- present	Ongoing
Wallace S	Eastern Assn for the Surgery of Trauma 2013- present	Ongoing
Rodriguez, F	Fellow, American College of Surgeons	Ongoing
Rodriguez, F	International College of Surgeons	Ongoing
Rodriguez, F	Phoenix Surgical Society	Ongoing
Rodriquez, F	Southwest Surgical Congress	Ongoing
McClain, J	Fellow, American College of Surgeons	Ongoing
McClain, J	Society of Thoracic Surgeons	Ongoing
McClain, J	Society of Critical Care Medicine	Ongoing
McClain,J	Eastern Association for the Surgery of Trauma	Ongoing

Stassi, A	American College of Osteopathic Surgery	Ongoing
Stassi, A	American College of Surgeons	Ongoing
Stassi, A	Eastern Trauma Association	Pending
Ovil, A	Society of Critical Care Medicine 2017-present	Ongoing
Ovil, A	Society of Vascular Surgery 2016-present	Ongoing
Ovil, A	American College of Surgeons 2012- present	Ongoing
Ovil, A	National Registry of Emergency Medical Technicians 2002-present	Ongoing
Marvin J	American College of Surgeons	Ongoing
Marvin, J	American Society of Breast Surgeons	Ongoing
Hillmann S	American College of Surgeons	Ongoing
Hillmann S	Plastic Surgical Society	Ongoing
Lim, H	American College of Osteopathic Surgeons	Ongoing
Lim, H	American College of Surgeons	Ongoing
McNeal M	American Society of Breast Surgeons	Ongoing
McNeal, M	American College of Surgeons	Ongoing
Hashimoto, L	Member, HonorHealth Peer Review Committee	2013-present
Lim H	Member, National Surgical Quality Improvement Program Committee	2015
Mangram A	Red Cross, Arizona Chapter: Board of Directors 2015 - 2017	2015 - 2017
Ali-Osman F	Course Faculty: Thoracic Trauma Technology Symposium - DePuy Synthes	2015/2016
Lim H	Member, Ventilator Associated Pneumonia Task Force Committee	2014
Mangram A	State Trauma Advisory Board (STAB): Committee Member (System Leadership) and Committee Chair (Geriatric Trauma)	2013
Sucher J	Member, Texas Chapter of the Society of Critical Care Medicine, 2006-2013	2013
Sucher J	Member, Harris County Surgical Society, 2006-2013	2013
Hall S	Delirium Committee; HonorHealth John C. Lincoln Medical Center, 2012-2013	2013

PUBLISHED CHAPTER OR TEXTBOOK

Faculty Name(s)	Scholarly Project Title	Completion Date
Mangram A, Dzandu J, Hollingworth A	"Small Bowel Obstruction." In: Common Problems in Acute Care Surgery, 2 nd ed. (L. Moore)	2017
Mangram AJ, Sucher JF, Dzandu JK.	"General Evaluation, Risk Management and Goals of Care." In: Geriatric Trauma and Acute Care Surgery, (Springer)	2017
Diven C	O'Neill, Diven, Meldrum. "Management of the Postoperative Cardiac Surgical Patient" In: Textbook of Critical Care Medicine (Elsevier)	2017
Chamberlain RS	Chamberlain RS, Mahendraraj K and Shah S. "Cancer of the Small Bowel" In: Devita, Hellman and Rosenberg's Cancer: Principles and Practice of Oncology, 10 th Ed (Wolters-Kluwer)	2015
Chamberlain RS	Chamberlain RS, Nyberg C, Strestha S. "Gastrointestinal Cancer and Brain Metastasis Outcomes and Management" In: Brain Metastasis from Primary Tumors" Vol 2 (Academic Press)	2014

PUBLISHED JOURNAL ARTICLE/ABSTRACT

Faculty Name(s)	Scholarly Project Title	Completion Date
Mangram AJ, Dzandu JK, Hall ST	Kwon SJ, Barletta JF, Hall ST, Mangram AJ, Dzandu JK, Abdulhamid M, Zach V. "Lacosamide versus phenytoin for the prevention of early post traumatic seizures" J Crit Care. 2019 Apr; 50:50-53.	2019
Hall, ST	Molina KC, Barletta JF, Hall ST, Yazdani C, Huang V. "The Risk of Acute Kidney Injury in Critically Ill Patients Receiving Concomitant Vancomycin With Piperacillin-Tazobactam or Cefepime." J Intensive Care Med. 2019 Feb (epub ahead of print)	2019
Sucher JF, Mangram AJ, Dzandu JK	Sucher JF, Mangram AJ, Dzandu JK "Utilization of Geriatric Consultation and Team-Based Care." Clin Geriatr Med. 2019 Feb;35(1):27-33.	2019
Mangram AJ, Sucher JF	Barletta JF, Mangram AJ, Sucher JF, Zach V. "Stress Ulcer Prophylaxis in Neurocritical Care." Neurocrit Care. 2018 Dec;29(3):344-357.	2018
Stassi, A	Wooster M, Stassi A, Hill J, Kurtz J, Bonta M, Spalding MC. "End-of-Life Decision-Making for Patients With Geriatric Trauma Cared for in a Trauma Intensive Care Unit." Am J Hosp Palliat Care. 2018 Aug;35(8):1063-1068.	2018
Ali-Osman F, Mangram A, Sucher J, Shirah G, Dzandu JK.	Ali-Osman F, Mangram A, Sucher J, Shirah G, Johnson V, Moeser P, Sinchuk NK, Dzandu JK. "Geriatric (G60) trauma patients with severe rib fractures: Is muscle sparing minimally invasive thoracotomy rib fixation safe and does it improve post-operative pulmonary function?" Am J Surg. 2018 Jul;216(1):46-51.	2018
Hall, ST	Hall ST, Molina KC "Fixed-dose 4-factor prothrombin complex concentrate: we don't know where we're going if we don't know how to get there." J Thromb Thrombolysis. 2018 Jul;46(1):50-57.	2018
Chamberlain RS	Kuwajerwala, N, Chaturvedi,P, Chamberlain RS et al "Carcinoma of the Ampulla of Vater" Medscape Reference, May 8, 2018 https://emedicine.medscape.com/article/282920-overview	2018
Chamberlain RS	Chamberlain RS, Sond J, Mahendraraj K, Lau CS, Siracuse BL. "Determining 30-day readmission risk for heart failure patients: The Readmission After Heart Failure scale." Int J Gen Med. 2018 Apr 9; 11:127-141.	2018
Mangram AJ, Shirah G, Dzandu J	Abidali Ali, Mangram AJ, Shirah G, Wilson W, Abidali Amhad, Moeser P, Dzandu J. "Bilateral Pneumothoraces in a Trauma Patient After Dobhoff Tube Insertion" American Journal of Case Reports. 2018; 19: 244–248.	2018
Chamberlain RS	Ballehaninna UK, Chamberlain RS "Exploratory Laparoscopy" Medscape Reference, February 27, 2018. https://emedicine.medscape.com/article/1829816-overview	2018
Ali-Osman, F, Mangram, A	Pieracci FM, Coleman J, Ali-Osman F, Mangram A, Majercik S, White TW, Jeremitsky E, Doben AR. "A multicenter evaluation of the optimal timing of surgical stabilization of rib fractures." Journal of Trauma and Acute Care Surgery. 2018 Jan;84(1):1-10.	2018
Chamberlain RS	Kota H, Chamberlain RS. "Immunonutrition Is Associated with a Decreased Incidence of Graft-Versus-Host Disease in Bone Marrow Transplant Recipients: A Meta-Analysis." JPEN J Parenter Enteral Nutr. 2017 Nov;41(8):1286-1292.	2017
Ovil A	AbuRahma AF, Campbell JE, Hariri N, AbuRahma J, Dean LS, Bates MC, Nanjundappa A, Stone PA, O'vil A. "Clinical Outcome of Carotid Artery Stenting According to Provider Specialty and Volume." Ann Vasc Surg. 2017 Oct;44:361-367.	2017
Hall S, Sucher JF, Dzandu JK, Mangram AJ.	Barletta JF, Hall S, Sucher JF, Dzandu JK, Haley M, Mangram AJ. "The impact of pre-injury direct oral anticoagulants compared to warfarin in geriatric G-60 trauma patients." Eur J Trauma Emerg Surg. 2017 Aug;43(4):445-449.	2017
Chamberlain RS	Murthy V, Pawar S, Chamberlain RS. "Disease Severity, Presentation, and Clinical Outcomes Among Adolescents With Malignant Breast Neoplasms: A 20-Year Population-Based Outcomes Study From the SEER Database (1973-2009)."	2017
Chamberlain RS	Sparber LS, Lau CS, Violet TS, Chamberlain RS. "Preoperative intravenous ibuprofen does not influence postoperative narcotic use in patients undergoing elective hernia repair: a randomized, double-blind, placebo controlled prospective trial." J Pain Res. 2017 Jul 5;10:1555-1560.	2017

Mangram AJ, Sucher JF, Hollingworth AK, Ali-Osman FR, Shirah GR, Dzandu JK.	Barletta JF, Mangram AJ, Byrne M, Sucher JF, Hollingworth AK, Ali-Osman FR, Shirah GR, Haley M, Dzandu JK. "Identifying augmented renal clearance in trauma patients: Validation of the Augmented Renal Clearance in Trauma Intensive Care scoring system." J Trauma Acute Care Surg. 2017 Apr;82(4):665-671.	2017
Ali-Osman FR,	Pieracci FM, Majercik S, Ali-Osman F, Ang D, Doben A, Edwards JG, French B, Gasparri M, Marasco S, Minshall C, Sarani B, Tisol W, VanBoerum DH, White TW. "Consensus Statement: Surgical stabilization of rib fractures rib fracture colloquium clinical practice guidelines." Injury; Injury. 2017 Feb;48(2):307-321.	2017
Hall, ST	Yazdani C, Hall S. "Evaluation of the 'medication fall risk score'" Am J Health Syst Pharm. 2017 Jan 1;74(1):e32-e39.	2017
Mangram A., Hollingworth, A., Sucher, J., Ali-Osman, F., Shirah, G., Dzandu, J	Barletta, J., Mangram A., Byrne, M., Hollingworth, A., Sucher, J., Ali-Osman, F., Shirah, G., Dzandu, J. "The Importance of Empiric Antibiotic Dosing in Critically Ill Trauma Patients: Are We Under-Dosing Based on Augmented Renal Clearance and Inaccurate Renal Clearance Estimates?" Journal of Trauma. J Trauma Acute Care Surg. Dec;81(6):1115-1121.	2016
Mangram A, Moyer, M, Hollingworth A, Ali-Osman F, Sucher J, Moeser P, Johnson V, Dzandu J	Mangram, A., Zhou, N., Sohn, J. Moeser, P., Sucher, J., Hollingworth, A., Ali-Osman, F., Moyer, M., Johnson, VA, Dzandu, J. "Pleural Effusion Following Rib Fractures in the Elderly: Are We Being Aggressive Enough?" J Gerontol Geriatr Res; 5(5). Sept 2016	2016
Diven C	Chikani et al "Racial/Ethnic Disparities in Rates of Traumatic Injury in Arizona, 2011-2012" Public Health Rep. 2016 Sep-Oct.	2016
Mangram, A., Oguntodu O, Dzandu, J, Hollingworth, Al, Hall, S., Cung, C., Rodriguez J., Yusupov, I., Barletta, J.	Mangram, A., Oguntodu O, Dzandu, J., Hollingworth, Al, Hall, S., Cung, C., Rodriguez J., Yusupov, I., Barletta, J. "Is there a Difference in Efficacy, Safety and Cost-effectiveness between Three Factor and Four Factor Prothrombin Complex Concentrates among Trauma Patients on Oral Anti coagulants?" Journal of Critical Care. June 2016.	2016
Shirah GR	Shirah GR, Hsu CH, Heberer MA, Wikholm LI, Goodman JJ, Bouton ME, Komenaka IK. "Teaching residents may affect the margin status of breast-conserving operations." Surg Today. April 2016.	2016
Mangram A, Dzandu J, Oguntodu O	Mangram A, Dzandu J, Harootunian G, Zhou N, Sohn J, Corneille M, O'Neill P, Petersen S, Oguntodu O, Johnson W. "Why Elderly Patients with Ground Level Falls Die within 30 Days & Beyond." Journal of Gerontology & Geriatric Research. April 2016.	2016
Dzandu, J., Mangram, A.	Nelson, C., Elta, T., Bannister, J., Dzandu, J., Mangram, A., Zach, V. "Severe Traumatic Brain Injury: A Case Report." American Journal of Case Reports. March 2016.	2016
Mangram, A., Rodriguez, F., Oguntodu, O., Dzandu, J	Mangram, A., Rodriguez, F., Oguntodu, O., Dzandu, J. "Laparoscopic Nissen Fundoplication Using a Left Posterior Approach Minimizes Esophageal Injury: Our Experience." Surgical Endoscopy. March 2016.	2016
Mangram A	Johnson, K., Diana, S., Todd, J., McFarren, A., Domb, A., Mangram, A., Veale, K.. "Early Recognition of Delirium in a Trauma Intensive Care Unit." Intensive and Critical Care Nursing. February 2016.	2016
Mangram A., Hollingworth A., Ali-Osman F., Sucher J., Dzandu J.	Mangram A., Sohn J., Zhou N., Hollingworth A., Ali-Osman F., Sucher J., Moyer M., Dzandu J. "Trauma Associated Pneumonia: Time to Redefine Ventilator-Associated Pneumonia in Trauma Patients." American Journal of Surgery. December 2015.	2015
Mangram A, Hollingworth A., Sucher J., Ali-Osman F., Dzandu J, Collins M	Mangram A., Oguntodu O., Hollingworth A., Prokuski L., Steinstra A., Collins M., Sucher J., Ali-Osman F., Dzandu J. "Geriatric Trauma G-60 Falls with Hip Fractures: A Pilot Study of Acute Pain Management Using Femoral Nerve Fascia Iliac Blocks." Journal of Trauma and Acute Care Surgery. December 2015.	2015

Mangram A	Mangram A. "Geriatric Trauma: Low Energy, High Morbidity, and Mortality Injuries." American College of Surgeons 2015 Clinical Congress, Chicago, IL, October 5, 2015	2015
Mangram, A., Wells, A., Ali-Osman, F., Hollingworth A., Dzandu, J.	Mangram, A., Wells, A., Ali-Osman, F., Hollingworth A., Dzandu, J. "Suspected and Unsuspected Serious Complications following Traumatic Pelvic Bleeding: Case Report". Journal of Trauma and Critical Care. January 2015.	2015
Dzandu J, Mangram A, Hollingworth A, Ali-Osman F, Sucher J	Dzandu J, Mangram A, Hollingworth A, Ali-Osman F, Sucher J, Moyer M, Zhou N, Sohn J. "Trauma-associated pneumonia: time to redefine ventilator –associated pneumonia in trauma patients." American Journal of Surgery. 2015 Dec;210(6):1056-61; discussion 1061-2.	2015
Shirah GR	Shirah GR, O'Neill PJ. "Intra-abdominal Infections" Surg Clin North Am. 2014 Dec;94(6):1319-33	2014
Sucher J	Collaborator: Lilly CM, Zubrow MT, Kopec IC, et al. "Critical Care Telemedicine: Evolution and State of The Art." Critical Care Medicine. November 2014.	2014
Mangram A, Oguntodu O, Rodriguez F, Rassadi R, Dzandu J.	Mangram A, Oguntodu O, Rodriguez F, Rassadi R, Haley M, Shively C, Dzandu J. "Preperitoneal Surgery Using a Self-Adhesive Mesh for Inguinal Repairs." Journal of the Society of Laparoscopic Surgeons. October 2014.	2014
Dzandu J., Mangram A Collins M	Dzandu J., Mangram A. "Pre-Injury VES-13 Score at admission Predicts Discharge Disposition for Geriatric Trauma Patients." Annals of Gerontology and Geriatric Research. October 2014.	2014
Hall S	Hall S. "From A to Z: Clinical Pearls for the Acute Care Pharmacist. Part 1. 'Rare Diseases Electronic Resources, Nuclear Materials Exposure, Alternative Thrombolytic Administration in Pulmonary Embolism.' " Arizona Journal of Pharmacy.	2014
Shirah G	Shirah G. "The Blue Man: Burn from muriatic acid combined with chlorinated paint in an adult pool construction worker." J Burn Care Res. 2014 Jul-Aug.	2014

CLINICAL CONFERENCES

Faculty Name(s)	Scholarly Project Title	Completion Date
Alicia Mangram, MD / Francis Ali-Osman, MD	Mock Orals Preparation	5/2/19 – 5/23/19
Luis Hashimoto, MD	Billing/Coding	4/18/19
Resident Presentations (see resident basic science section)	Interesting Cases and History of Surgery Lectures	2/7/19- 4/11/19
Rama Kunkle, MD	Palliative Care	1/31/19
Ronald Chamberlain, MD	ABSITE Review	1/3/19 – 1/24/19
Ali Wait, MD	Vascular-Arterial I/II	12/13/18
Ronald Chamberlain, MD	Adrenal	12/6/18
Christi Bourne, MD	Breast I/III	11/29/18
Nasrin Ghalyaie, MD	Anorectal Neoplasms	11/15/18

Kristopher Johnson, MD	Benign Anorectal I/II	11/8/18
Nasrin Ghalyaie, MD	Colon Cancer	11/1/18
Erin Garvey, MD	Pediatrics	10/25/18
Roosbeh Rassadi, MD	Appendicitis & Diverticulitis	10/18/18
Ace Ovil, MD	Small Intestine I/III	10/11/18
Ronald Chamberlain, MD	Esophagus III/III	10/4/18
Mohan Ramalingam, MD	Nissen	9/27/18
Ronald Chamberlain, MD	Esophagus I/III	9/20/18
Rama Kunkle, MD	Palliative Care	9/13/18
Gina Shirah, MD	Spleen	9/6/18
Ronald Chamberlain, MD	Surgical Infections	8/30/18
David Larson, MD	Robotic Webinar: Colorectal	8/23/18
Gina Shirah, MD	Wound Healing	8/16/18
Luis Hashimoto, MD	Liver	8/9/18
Mohan Ramalingam, MD	Bariatrics	8/2/18
Luis Hashimoto, MD	Benign Biliary II/II	7/26/18
Ronald Chamberlain, MD	Benign Biliary I/II	7/19/18
Joe Talarico, MD	Robotic Webinar: Hernias	7/12/18
Alicia Mangram, MD	Perioperative Evaluation	7/5/18

RESIDENCY GRAND ROUNDS

Faculty Name(s)	Scholarly Project Title	Completion Date
Christopher Myers, DO	"Go With Your Gut: Understanding the Medical and Surgical Implications of the Human's Superorganism"	May 2019
Byron Holloway, DO	"ERAS – It Takes a Village"	April 2019
Ann Wells Holloway, DO	" Robotic Umbilical Hernia Repair: Is it Worth it?"	Mar 2019
Spyros Kamarinos, MD	"Evaluation and Treatment of Neck Masses"	Feb 2019
William Arnold, MD	"Complications of Bariatric Surgery"	Nov 2018
Ace Ovil, MD	"Extracorporeal Membrane Oxygenation (ECMO) A Primer"	Oct 2018
Jeffrey Singer, MD	"The Opioid Overdose Crisis: Myths, Facts, Solutions"	Sept 2018
Gina Shirah, MD	"Healthcare Information Technology (HIT) or Miss? – Perspective from a Surgical Nerd"	Aug 2018
Alicia Mangram, MD	"Understanding G60 Trauma in 2018 G60 Past and Future"	July 2018

Scholarly Activity Projects in Development

Project/Protocol	Residents (PGY)	Mentor(s)	Project Status*
On Q Catheters for Pain Control in Trauma Laparotomy	Byron Holloway (5)	Mangram	1,2
Colorectal Surgical Site Infections	Ali Abidali (3)	Mangram	4
Necrotizing Fasciitis of the Male and Female Breast: A case Series	Whitney Wilson, DO (3)	Matthews	5
Invasive Fungal Infection of Surgical Site in Trauma Patient	Whitney Wilson, DO (3)	Mangram /Dzandu	5
HonorHealth DVT Protocol	Whitney Wilson, DO (3)	Frank	3
Rib Fractures and MSMIT	Whitney Wilson, DO (3)	Shirah	1
Salmonella aortitis with graft explant and cadaver implant	Whitney Wilson, DO (3)	Ramaiah	1

1=Project Identified, 2=Literature review, 3=Proposal development, 4=Data collection and analysis, 5=Presentation/publication

APPENDIX – Descriptions of HonorHealth Library Services Resources

A. Evidence-based medicine

1. The Cochrane Library is a collection of databases that contain high-quality, independent evidence to inform healthcare decision-making. It includes Cochrane Database of Systematic Reviews (CDSR) Cochrane Central Register of Controlled Trials (CENTRAL) and Cochrane Clinical Answers (CCA).
2. MedCalc 3000 is a collection of over 520 calculators, clinical criteria sets and decision trees that are indispensable to anyone practicing, teaching or studying evidence-based medicine. With every search you perform, STAT!Ref automatically presents links to relevant tools within MedCalc 3000. The complete contents of MedCalc 3000 includes: Clinical Criteria Set, Decision Trees, Medical Equations, Unit and Dose Converters, Calculations and Equations by Specialty.
3. UpToDate is an ACCME-accredited evidence-based clinical decision support resource provided for healthcare practitioners to help them make the right decisions at the point of care.
4. FirstConsult/Clinical Overviews (via ClinicalKey) is an authoritative, evidence-based and continuously updated clinical information resource for healthcare professionals. Designed for use at the point-of-care, it provides instant, user-friendly access to the latest information on evaluation, diagnosis, clinical management, prognosis, and prevention. Sections include: Medical Topics comprise clinically compiled information on patient evaluation, diagnosis, treatment, tests, prevention, and much more; Differential Diagnoses presents an evaluation of a patient's complaint with interactive access to potential diagnoses by age and prevalence. Procedures provide clear systematic guidance, including videos and medical animations, of procedures to the practice of medicine
5. Two-Minute Medicine (via Access Medicine) – concise and curated reviews and summaries of new medical studies. Studies are rated for the appraisal of evidence-based medicine.

B. Journal literature databases

1. The MEDLINE database is the premier biomedical database in the United States. It contains over 23 million references to more than 5,600 journals in life sciences with a concentration on biomedicine generally dating back to about 1949, with some older material. The subject scope of MEDLINE is biomedicine and health, broadly defined to encompass those areas of the life sciences, behavioral sciences, chemical sciences, and bioengineering needed by health professionals and others engaged in basic research and clinical care, public health, health policy development, or related educational activities. Access is provided via 3 different search platforms: Ovid, EBSCO, and National Library of Medicine (PubMed). All HonorHealth journal content is accessible through link resolvers in all 3 search platforms, making it easy for researchers to access full-text articles in real-time.
2. CINAHL (Cumulative Index to Nursing and Allied Health Literature) provides indexing for more than 3,000 journals from the fields of nursing and allied health. The database contains more than 2.6 million records dating back to 1981. Offering complete coverage of English-language nursing journals and publications

from the National League for Nursing and the American Nurses' Association, CINAHL covers nursing, biomedicine, health sciences librarianship, alternative/complementary medicine, consumer health and 17 allied health disciplines.

3. Health Business Elite database covers the journal literature concerning the business of health care. It provides full-text coverage of more than 130 well-known administrative journals such as H&HN: Hospitals & Health Networks, Health Management Technology, Modern Healthcare, and many others. Critical for hospital administrators and managers, this subset of Health Business™ Elite includes publications covering topics such as staffing, health care regulation, health care facilities management, marketing, finance and more.

C. Research/Scholarly Activity and Faculty resources

1. Research instruments (scientific scales, tests & measurements) from a variety of indexes and sources, such as the American Psychological Association, the National Library of Medicine and ETS.
2. Theses & dissertations published by colleges and universities throughout the world (via interlibrary-loan), found in indexes such as ERIC, Networked Digital Library of Theses & Dissertations, OpenTheses.org, Registry of Open Access Repositories (ROAR), and OCLC WorldCat
3. Arizona Department of Health Services (state and local public health data)
4. Guidelines Trust (ERCI) and National Quality Measures (from the U.S. Agency for Healthcare Research and Quality)
5. TOXNET, a National Library of Medicine database on toxicology, hazardous chemicals, environmental health and toxic releases
6. GreenFILE database of published literature concerning environmental issues

D. Faculty Resources

1. ProceduresConsult (via ClinicalKey) provides over 300 educational videos on procedures in Emergency, Internal Medicine, Anesthesiology, General Surgery, Cardiology and other specialties.
2. Multimedia library (via Access Medicine) – a unique collection of examination and procedural videos, patient safety modules, audio files and animations that feature complicated concepts presented for the student/resident learner.
3. Teacher Reference Center, an index of 280 peer-reviewed journals for teachers, covering topics like assessment, best practices, continuing education, and curriculum development

E. Textbooks (electronic & print)

1. ClinicalKey contains over 1100 medical and nursing e-textbooks and manuals.
2. STATRef includes over 140 medical and nursing e-textbooks.
3. Access medicine includes over 100 medical & nursing reference e-books.
4. Ovid Books provides a small collection of LWW medical & nursing reference e-books
5. HonorHealth Library Services provides immediate, direct access to over 1,900 clinical texts, 240 leadership & management books, and over 1,800 consumer health & wellness books. These collections cover a wide range of specialty and subject areas (see below). Library Services also provides rapid interlibrary loan (ILL) services for any texts we do not own in our collection. Typical response time on ILL requests is 2 business days.
 - 5.a. Primary care/Family Medicine/Internal Medicine
 - 5.b. Obstetrics & Gynecology
 - 5.c. Surgery & Perioperative Care
 - 5.d. Oncology
 - 5.e. Subspecialties including Gastroenterology, Neurology, Orthopedics, Heart & Vascular, Dermatology, Psychiatry, Pediatrics, and Geriatrics
 - 5.f. Health business, management & leadership
 - 5.g. Business leadership & management
 - 5.h. Professional development & certification (“test prep”) materials
 - 5.i. Various consumer health & wellness and chronic disease management topics, in alignment with SLHN priorities

F. eJournals, Full-text

1. JAMA and JAMA Archives, Lancet, NEJM available electronically
2. Thousands of journal titles available through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections (title lists available upon request).

G. Drug information

1. Micromedex provides information and complete monographs on thousands of drugs. It includes toxicity information, therapeutic doses, pill identification, and dosing calculators. The complete drug monographs in this resource are often considered to be the “gold standard”.
2. Lexi-Comp, available through UpToDate, is another drug information product, with features including aural pronunciation of the drugs’ names and chemotherapy regimes.
3. FDA Electronic Orange Book (consumer information on generic drugs)

H. Herbals & Supplements

1. Alternative Medicine, available through Micromedex suite, is easy to access and search. Designed for healthcare professionals, Alternative Medicine is a reliable, comprehensive source of referenced, scientifically sound information about complementary and alternative medicine (CAM) therapies and practices.
2. HerbMed (from the Alternative Medicine Foundation)
3. National Center for Complementary & Integrative Health (NCCIH) resources (including clinical practice guidelines and literature reviews for health care professionals)
4. CAM on Pubmed and Dietary Supplement Label Database (from the National Library of Medicine)

I. Patient Education/Consumer Health/Literacy resources

1. MEDLINEplus (Consumer health info from the National Library of Medicine)
2. CareNotes patient education resources (via Micromedex suite)
3. Customizable Patient Care Resources (via Access Medicine)
4. Basics & Beyond the Basics series (via UpToDate)
5. ExitCare (via ClinicalKey)
6. A wide variety of health literacy toolkits and resources, including resources for Ask Me 3 campaign and Teach Back methodology.

TEXTBOOKS (Electronic; Print are italicized)

[Ashcraft's pediatric surgery / 2014](#)
[Atlas of advanced operative surgery / 2012](#)
[Atlas of general surgical techniques / 2010](#)
[Atlas of minimally invasive surgery / 2012](#)
[Atlas of minimally invasive thoracic surgery \(VATS\) / 2011](#)
[Atlas of trauma/emergency surgical techniques / 2014](#)
[Basic, advanced, and robotic laparoscopic surgery / 2010](#)
[Campbell's Core Orthopaedic Procedures 2016](#)
[Clinical review of oral and maxillofacial surgery / 2014](#)
[Colour atlas of ophthalmic plastic surgery / 2018](#)
[Colorectal surgery 2019](#)
[Core topics in general and emergency surgery / 2019](#)
[Critical care medicine: the essentials and more / 2018](#)
[Current Diagnosis and Treatment: Surgery 2015](#)
[Current surgical therapy: expert consult / 2017](#)
[Current therapy in oral and maxillofacial surgery / 2012](#)
[Current therapy in vascular and endovascular surgery. 2014](#)
[Current therapy of trauma and surgical critical care / 2016](#)
[Essential guide to primary care procedures / 2009](#)
[Essential surgery: problems, diagnosis, and management / 2014](#)
[Essential Surgical Procedures 2016.](#)
[Flaps and reconstructive surgery 2017](#)
[Greenfield's surgery: scientific principles and practice / 2017](#)
[Image-guided interventions / 2014](#)
[Jatin Shah's head and neck surgery and oncology / 2012](#)
[Kirk's general surgical operations. / 2013](#)
[Medical management of the surgical patient / 2013](#)
[Minimally invasive percutaneous spinal techniques / 2011](#)
[The Mont Reid surgical handbook / 2018](#)
[Netter's surgical anatomy and approaches / 2014](#)
[Oculoplastic and reconstructive surgery / 2008](#)
[Pediatric surgery. / 2012](#)
[Pfenninger & Fowler's procedures for primary care / 2011](#)
[Plastic Surgery 2018](#)
[Plastic surgery secrets / 2010](#)
[Principles and practice of surgery / 2018](#)
[Sabiston textbook of surgery: the biological basis of modern surgical practice / 2017](#)
[Sabiston and Spencer Surgery of the Chest 2016](#)
[Schwartz's Principles of Surgery 2015](#)
[Smith & Tanagho's General Urology 2013](#)
[Surgical Decisionmaking 2020](#)
[Surgery of the skin: procedural dermatology / 2015](#)
[The trauma manual: trauma and acute care surgery / 2013](#)
[Urogynecology and reconstructive pelvic surgery 2015](#)
[Video atlas of advanced minimally invasive surgery / 2013](#)

JOURNALS (Electronic; Print are italicized)

American journal of surgery

American surgeon

Annals of surgery

Archives of surgery

Asian journal of surgery

Atlas of the oral and maxillofacial surgery clinics of North America

BJS: the British journal of surgery

British journal of oral & maxillofacial surgery

Bulletin of the American College of Surgeons

Gynecology and minimally invasive therapy

International journal of oral and maxillofacial surgery

International journal of surgery

International journal of surgery case reports

Journal of bone and joint surgery : American volume

Journal of bone and joint surgery : British volume

Journal of cranio-maxillo-facial surgery

Journal of minimally invasive gynecology

Journal of oral and maxillofacial surgery

Journal of pediatric surgery

Journal of the American College of Surgeons

Journal of thoracic and cardiovascular surgery.

Medsurg nursing

Operative techniques in sports medicine

Oral and maxillofacial surgery clinics of North America

Seminars in pediatric surgery

Southern medical journal

The surgeon : journal of the Royal Colleges of Surgeons

Surgery

Surgical clinics of North America

Techniques in vascular and interventional radiology

World journal of surgery

CLINICALKEY INSTRUCTIONAL PROCEDURE VIDEOS

Abdominoperineal Resection with Total Colectomy and End-Ileostomy (General Surgery)

Anal Fistulotomy (General Surgery)

Arterial Line Placement (General Surgery)

Axillary Lymph Node Dissection (General Surgery)

Axillary Sentinel Lymph Node Biopsy (General Surgery)

Central Venous Line Placement (General Surgery)

Chest Tube Placement (General Surgery)

Cricothyrotomy (General Surgery)
Endotracheal Placement (General Surgery)
Excisional Biopsy (General Surgery)
Fine Needle Breast Aspiration (General Surgery)
Incision and Drainage for Soft Tissue Infections (General Surgery)
Laparoscopic Antireflux Procedure (Nissen Procedure) (General Surgery)
Laparoscopic Cholecystectomy Without Cholangiography (General Surgery)
Laparoscopic Liver Excisional Biopsy/Wedge (General Surgery)
Laparoscopic Rectosigmoid Colon Resection/Low Anterior Resection (General Surgery)
Laparoscopic Splenectomy (General Surgery)
Laparoscopic Ventral Hernia Repair (General Surgery)Open Appendectomy (General Surgery)
Open Exploratory Laparotomy (General Surgery)
Open Repair of Inguinal Hernia (General Surgery)
Open Small Bowel Resection (General Surgery)
Open Ventral Hernia Repair (General Surgery)
Parathyroidectomy (General Surgery)
Partial Thyroidectomy (General Surgery)
Pediatric Surgery Inguinal Hernia Repair (General Surgery)
Percutaneous Endoscopic Gastrostomy (General Surgery)
Pilonidal Cystectomy (General Surgery)
Primary Arteriovenous Fistula Formation for Hemodialysis Access (General Surgery)
Pulmonary Artery Catheterization (General Surgery)
Punch Biopsy (General Surgery)
Revision Arteriovenous Access (General Surgery)
Right Hemicolectomy (General Surgery)
Simple Mastectomy (General Surgery)
Splenectomy for Disease — Open (General Surgery)
Stapled Closure of Loop Ileostomy (General Surgery)
Subcutaneous Lateral Internal Sphincterotomy (General Surgery)
Subtotal Gastrectomy (General Surgery)
Total Gastrectomy (General Surgery)
Total Skin Sparing Mastectomy or Nipple Sparing Mastectomy (General Surgery)
Totally Extraperitoneal Laparoscopic Repair of Inguinal Hernia (General Surgery)
Transabdominal Preperitoneal Laparoscopic Repair of Inguinal Hernia (General Surgery)
Ultrasound-Guided Breast Biopsy (General Surgery)
Ultrasound-Guided Partial Mastectomy (General Surgery)
Umbilical Hernia Repair in Children (General Surgery)
Varicose Vein Excision (General Surgery)