

**EMORY UNIVERSITY SCHOOL OF MEDICINE
CURRICULUM VITAE**

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1. **Name:** Marta E. Heilbrun, M.D. M.S.

2. **Office Address:** Emory University Hospital
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3. **Citizenship:** United States Citizen

4. **Current Titles and Affiliations:**
 - a. Academic Appointments:
 - i. Primary Appointments:
Associate Professor, Emory University School of Medicine, Department of Radiology and Imaging Sciences, Atlanta, GA, 2017 - Present

 - ii. Secondary Appointments:
Adjunct Associate Professor, University of Utah School of Medicine, Department of Biomedical Informatics, Salt Lake City, UT, 2015-Present

Adjunct Associate Professor, University of Utah School of Medicine, Department of Surgery, Division of Urology, 2015-Present

 - b. Other Administrative Appointments:
 - i. Vice Chair for Quality, Emory University School of Medicine, Department of Radiology and Imaging Sciences, Atlanta, GA, 2017 – Present

 - ii. Interim Division Director for Abdominal Radiology, Emory University School of Medicine, Department of Radiology and Imaging Sciences, Atlanta, GA, January 2020 – Present

5. **Previous Academic and Professional Appointments:**

Visiting Instructor, University of Utah School of Medicine, Department of Radiology, 2006-2007

Assistant Professor, University of Utah School of Medicine, Department of Radiology, 2007-2014

Program Director, Radiology Residency, University of Utah School of Medicine, 2014-2017

Associate Program Director, Interventional Radiology-Diagnostic Radiology (IR-DR) Residency, University of Utah School of Medicine, 2016-2017

Adjunct Assistant Professor, University of Utah School of Medicine, Department of Biomedical Informatics, 2008-2014

Adjunct Assistant Professor, University of Utah School of Medicine, Department of Surgery, Division of Urology, 2015-2014

Associate Professor with Tenure, University of Utah School of Medicine, Department of Radiology and Imaging Sciences, Salt Lake City, UT, 2014 – 2017

6. Licensures/Boards:

North Carolina, Inactive, 2004 - 2008.
Utah, Active, issued 2006
Georgia, Active, issued 2017

7. Specialty Boards:

American Board of Radiology, Initial Certification 2006
American Board of Radiology, Maintenance of Certification, 2017

8. Education:

BA, Amherst College, Amherst, MA 1989-1993
MD, University of Utah, Salt Lake City, UT, 1997 – 2001
Master of Science in Clinical Investigation, University of Utah, Salt Lake City, UT 2009

9. Postgraduate Training:

Internship, Preliminary General Surgery, Stanford University Medical Center, Stanford, CA.
Supervisor: Ralph Greco, MD
2001-2002

Residency, Diagnostic Radiology, Wake Forest University School of Medicine, Winston Salem, NC.
Supervisor: Rita Friemanis, MD
2002-2006

Fellowship, Abdominal Imaging, University of Utah School of Medicine, Salt Lake City, UT.
Supervisor: David Avrin, MD
2006-2007

10. Continuing Professional Development Activities:

Philips Academic Faculty Development Program, at the 57th Annual Meeting of the Association of University Radiologists. Arlington, Virginia. 2009.

University of Utah Medical Group (UUMG) Quality Improvement (QI) Scholar Program, hosted by UUMG and the Office of Academic Affairs & Faculty Development, University of Utah, Salt Lake City, UT. 2013

Radiology Management Program, at the 62nd Annual Meeting of the Association of University Radiologists. Baltimore, MD. 2014.

Health Science Leadership Seminar, hosted by the Office of Academic Affairs and Faculty Development, University of Utah Health Sciences Center, Salt Lake City, UT. 2014.

Radiology Leadership Academy, Department of Radiology and Imaging Sciences, Emory Health Sciences, Atlanta, GA 2017-2018.

LEAD (Leading, Empowering & Disrupting), Society of Chairs of Academic Radiology Departments and GE Healthcare, Oak Brook, IL 2019-2020.

“Exposing our Blindside and Overcoming Unconscious Bias” Course. Radiologic Society of North America Committee on Diversity, Equity and Inclusion, Oak Brook, IL 2020.

11. Committee Memberships:

a. National and International:

- i. Member, Electronic Communications Committee, Association of University Radiologists. 2008-2012
- ii. Chair, Electronic Communications Committee, Radiology Alliance for Health Services Research in the Association of University. 2008-2012
- iii. Member, Structured Reporting Subcommittee of the Radiology Informatics Committee, Radiological Society of North America. 2008-2016
- iv. Chair, Ad Hoc committee for Abdominal CT reporting of the Structured Reporting Initiative, Structured Reporting Subcommittee, Radiological Society of North America. 2009-2012
- v. Member, RadLex Committee, Radiological Society of North America. 2009-Present
- vi. Member, Certifying Examination Committee for Urinary Tract Radiology, the American Board of Radiology. 2010-2017
- vii. Member, Methodology Subcommittee of the Appropriateness Criteria Committee, American College of Radiology. 2011-2014
- viii. Member, Commission on Human Resources, American College of Radiology. 2011-2014
- ix. Chair, Rules Committee, Radiology Alliance for Health Services Research in the Association of University Radiologists. 2012-2014
- x. Member, Board of Directors, Association of University Radiologists. 2012-Present
- xi. Chair, Electronic Communications Committee, Association of University Radiologists. 2012-2016
- xii. Member, Appropriateness Criteria, Expert Panel - Urologic Imaging, American College of Radiology. 2012-2020
- xiii. Member-at-Large, Executive Committee, American Association for Women Radiologists. 2012-2014
- xiv. Member, Society of Abdominal Radiology, Finance Committee. 2013-2015
- xv. Member, American College of Radiology, Commission on Women and General Diversity, American College of Radiology. 2013-2018

- xvi. Vice Chair, Methodology Subcommittee of the Appropriateness Criteria Committee, American College of Radiology. 2014-2015
- xvii. Member, Development Committee, Association of University Radiologists. 2014-2015
- xviii. Member, Membership Committee, Association of University Radiologists. 2014-2016
- xix. Panel Chair, Template Library Advisory Panel of the Structured Reporting Subcommittee of the Radiology Informatics Committee, Radiological Society of North America. 2014-2017
- xx. Member, Disease-Focused Panel (DFP) Oversight Committee, Society of Abdominal Radiology. 2015-Present (term ends 2021)
- xxi. Technical Expert, Quality Measures Technical Expert Panel, American College of Emergency Physicians. 2015-2016
- xxii. Member, Updates Committee, Society of Abdominal Radiology. 2015-2017
- xxiii. Chair, Methodology Subcommittee of the Appropriateness Criteria Committee, American College of Radiology. 2015-2019
- xxiv. Member, Commission of Quality and Safety: Metrics Committee, American College of Radiology. 2015-2019
- xxv. Member, eHealth and Informatics subcommittee, European Society of Radiology. 2016-Present
- xxvi. Member, Radiology Informatics Committee, Radiological Society of North America. 2016-Present
- xxvii. Vice Chair, Structured Reporting Subcommittee of the Radiology Informatics Committee, Radiological Society of North America. 2016-2017
- xxviii. Member, Quality Measures Technical Expert Panel, American College of Radiology. 2017-2019
- xxix. Member, Emergency Quality Network (E-QUAL) initiative in renal colic, American College of Emergency Physicians. 2017-2019
- xxx. Chair, Structured Reporting Subcommittee of the Radiology Informatics Committee, Radiological Society of North America. 2017-Present
- xxxi. Member, Data Sciences Institute panel on Non-Interpretive AI applications, American College of Radiology, 2018-2020
- xxxii. Member, Corporate Giving Subcommittee, Radiological Society of North America. 2019 – 2020
- xxxiii. Member, Committee on Equity, Diversity and Inclusion (CoEDI), Society of Abdominal Radiology, 2020 - Present
- xxxiv. Member, Trustee, Board of Trustees, Research and Education Foundation, Radiological Society of North America. 2020 – Present
- xxxv. Member, Digital and Live Education Committee (DLEC), Radiological Society of North America. 2020 – Present
- xxxvi. Treasurer (leadership track to President of Society), Association of University Radiologists. 2021-2022.

xxxvii. Member Executive Committee of Board of Directors, Association of University Radiologists. 2021 - Present

b. Institutional:

- i. Member, Executive Committee, Emory Department of Radiology and Imaging Sciences, 2017-Present
- ii. Voting Member, Emory Healthcare Radiation Control Council, 2018-present
- iii. Voting Member, Emory University Hospital Peer Review Committee, 2018-present
- iv. Co-Chair, Search Committee Community Radiology Specialists Division Director, Emory Department of Radiology and Imaging Sciences, 2019 – 2020
- v. Member, Revenue Cycle Operations, Emory Department of Radiology and Imaging Sciences, 2019-Present
- vi. Member, EHC System Operational Leadership, Emory Department of Radiology and Imaging Sciences, 2019 – Present
- vii. Co-Chair, Post-Covid Innovations Task Force, Emory Department of Radiology and Imaging Sciences, March 2021 – July 2021

c. Prior Institutions (University of Utah)

- i. Seminar Organizer, University of Utah Center for Advanced Imaging Research Monthly Seminars, University of Utah School of Medicine, 2007-2009
- ii. Member, Quality Council Committee, University of Utah SOM, 2008-2009
- iii. Member, Clinical Systems Advisory Committee, University of Utah SOM, 2008-2014
- iv. Co-Leader, Department of Radiology & Imaging Sciences, Structured reporting initiative, University of Utah School of Medicine, 2008-2011
- v. Physician lead, University of Utah School of Medicine, Department of Radiology & Imaging Sciences Computerized Physician Order Entry (CPOE) interface committee, 2008-2010
- vi. Member, Physician Advisory Panel, University of Utah Hospitals & Clinics, 2010-2013
- vii. Member, Center for Clinical Translational Science, Internal Advisory Committee, University of Utah School of Medicine, 2012-2014
- viii. Member, Epic Care Management Council, University of Utah Hospitals & Clinics, 2013-2014
- ix. Medical Director, Quality and Safety Committee, Department of Radiology & Imaging Sciences, University of Utah School of Medicine, 2013-2015
- x. Member, Physician Advisory Council, University of Utah Hospitals & Clinics, 2014-2016
- xi. Member, School of Medicine Graduate Medical Education Committee (GMEC), University of Utah School of Medicine, 2016-Present
- xii. Member, Graduate Medical Education (GME) Value Council, University of Utah School of Medicine, 2016-Present
- xiii. Chair, Diagnostic Radiology Residency, Program Evaluation Committee (PEC), University of Utah School of Medicine, 2014-2017.
- xiv. Chair, Diagnostic Radiology Residency, Self-Study Committee, University of Utah School of Medicine, 2016.

12. Peer Review Activities:

a. Grants:

- i. National and International:
NIH Challenge Grant. Internet Assisted Reviewer, 2009
Radiological Society of North America Research & Education's Radiology Research Study
Section: Appointed Grant Reviewer. 2010-2014

Ad Hoc Grant Reviewer, echoing green, Reviewer for Semi-Finalist applications for the
echoing green social entrepreneurship fellowship, 2011 - 2014

- b. Manuscripts:

Ad Hoc reviewer for

Academic Radiology 2007 - Present

Radiographics, 2010 - Present

Journal of Digital Imaging, 2012 - Present

Journal of Urology, 2014 – 2018

Journal of the American Medical Informatics Association, 2017 - 2019

- c. Conference Abstracts:

Member, Scientific Program Committee, Association of University Radiologists. 2009-2015

Member, Health Services Policy & Research Subcommittee, Scientific Program Committee
Radiological Society of North America. 2011-2016

14. Honors and Awards:

Echoing Green Public Service Entrepreneur Fellowship. 1993-1994

American College of Radiology/Thorwarth Award for Socioeconomic Research. 2005

Radiological Society of North America Roentgen Resident/Fellow Research Award. 2006

Radiological Society of North America Trainee Research Prize. 2006

General Electric-Association of University Radiologists Radiology Research Academic Fellowship
(GERRAF). 2007-2009

Radiological Society of North America, Certificate of Merit. Electronic education exhibit/CME
presentation. A multimodality imaging review of spleen pathology. **Heilbrun ME**, Shaaban AM,
Rezvani M, Sommers DN, Olpin J, Woodward PJ. 2008

2nd Place Scientific Paper Award. Modeling the decision to add percutaneous biopsy to the
diagnostic workup of the small solid renal mass. Society of Uroradiology, 2009

Elected Fellow in the Society of Abdominal Radiology, 2014

Radiological Society of North America, Certificate of Merit, Electronic education exhibit/CME
presentation. Olpin J, **Heilbrun ME**. The Incidental Splenic Mass: Management and Medicolegal
Issues: GI193-ED-X Electronic Education Exhibit. 2015

Invited guest for rising leaders in radiology. IS3R – International Society for Strategic Studies in
Radiology. The Future of Medical Imaging – Trends and Perspectives symposium, Rotterdam, NL.
2018

Radiological Society of North America, Quality Improvement Report Award Winner. Rachh PV, Duong PT, Hanna TN, Pendley A, Terry N, **Heilbrun ME**. Quality Improvement Report: Improving ED CT Patient Flow: QI023-EB-TUB. 2019

Radiological Society of North America, Quality Improvement Report Award Winner. Newallo DS, Margeanu D, **Heilbrun ME**. Quality Improvement Report: Addressing Discrepancies in I-123 Pill Counting: Structure, Process, and Outcome of Change. 2020

15. Society Memberships:

American Association for Women Radiologists, 2002 - 2006, 2010 – 2015
Radiological Society of North America, 2002 - Present
Association of University of Radiologists, 2006 - Present
Radiology Alliance for Health Services Research, 2007 – Present
Society of Uroradiology, 2008 - 2013
Society for Imaging Informatics in Medicine, 2009 - Present
European Society of Radiology, 2010 - Present
American College of Radiology, 2011 - Present
American Medical Association, 2012 – 2017
Society of Abdominal Radiology, 2013 – Present
Association of Program Directors in Radiology, 2014 – 2018

16. Organization of Conferences:

a. National and International:

i. Administrative Positions:

Member, Program Planning Committee, Association of University Radiologists. 2013-2015

Program Co-Chair, Radiology Alliance for Health Services Research educational and scientific Program for the Association of University Radiologists annual meeting. 2013-2014

Program Chair, Radiology Alliance for Health Services Research educational and scientific Program for the Association of University Radiologists annual meeting. 2014-2015

Chair, Health Services Policy & Research Subcommittee, Scientific Program Committee Radiological Society of North America. 2016-2019

Program Planning Co-Chair, American College of Radiology Quality & Safety Annual Meeting. 2019-Present

This is the only Radiology National Society meeting focused on Quality and Safety. We have used this as a platform to promote the Quality and Safety work done in our field, the importance of teamwork and engaging patient perspectives. We have been deliberate in making it an opportunity to showcase diverse voices, from engaging non-academic practice and non-physician speakers and ensuring broad representation of women and under-represented minority colleagues in our speakers' bureau.

Member, Imaging Informatics Subcommittee of the Annual Meeting Program Planning Committee, Radiological Society of North America, 2020-Present

Program Planning Co-Chair, AUR Radiology Resident Academic Leadership Development (ARRALD) Program, for the Association of University Radiologists annual meeting. 2021-Present

17. Clinical Service Contributions:

- a. Member Abdominal Imaging Section, University of Utah Department of Radiology, 2007-2017
- b. GU (Urological) Oncology Multidisciplinary Treatment Planning Conference, Radiology Designee, Huntsman Cancer Institute, University Utah Health Sciences, 2007-2017

In this weekly conference, 10-14 complex patients with Urologic malignancies were presented for discussion. I reviewed all patient imaging prior to the conference (often performed at outside institutions) and participate in treatment and management decisions as a respected member of the care team.

- c. Established University of Utah Health Prostate MRI imaging program, 2008

Volume increased more than 20%/year from 2012-2017, from 1-2 per week to 3-5/day currently. I lead the implementation of PI-RADS v.2 reporting in the fall of 2016.

- d. Established University of Utah Health Pelvic Floor MRI imaging program, 2009

Overall volume has fluctuated in relation to the presence or absence of colorectal surgeons in the institution who care for these patients. At the highest volume in 2016 we were doing 2-3 per week.

- e. Member Abdominal Imaging Division, Emory University Department of Radiology and Imaging Sciences, 2017 – Present. Interim Division Director since December 2019.

- f. Facilitated creation of Cross-Sectional Procedures (CRP) service line, Emory University Department of Radiology and Imaging Sciences, 2019

Working with Interventional Radiology (IR) and institutional leadership, a single service line has been created for CRP, those procedures typically done under CT or US image guidance. Until January 2020, these services were primarily in the purview of the Abdominal Imaging Division. Shifting this service line to the IR division, enables more consistent patient flow and care provision. The transition is 2/3 completed as a phased transition across Emory Radiology practice sites, including Grady Hospital.

18. Formal Teaching:

- a. Medical Student Teaching:

Specialty: Abdominal and thoracic radiology, with emphasis on evidence-based practice, appropriate technology utilization and reporting. Department of Radiology and Imaging Sciences at Utah Health and SLC VA Hospital clinical work areas. 2007 – 2017.

How to know what Radiology is good for (or might be good for.) University of Utah, Department of Radiology. Medical student didactic lecture during 7060 Radiology Clerkship rotation. Salt Lake City, UT. (1 hour/session, 2 x year, 5 – 10 students each session) 2008 - 2014

Introduction to Health Services Research. Medical Student Research Interest Group, University of Utah School of Medicine, Salt Lake City, UT. (1 hour, 25 students) 2011

Specialty: Abdominal diagnostic radiology, with emphasis on quality improvement, reporting, evidence-based practice, and appropriate technology utilization. Department of Radiology and Imaging Sciences at Emory Healthcare and at Grady Hospital. 2017 – Present

Emory Capstone MS4 Group session: Safety and Quality in Radiology - Preparation for internship and residency. Interactive small group discussion. Emory University School of Medicine. Atlanta, GA. (2 hours, 5-10 students/year) 2019 – Present

Emory MS1 Radiology Small Group GI Imaging: In Digestive Disease/Medicine Course. Emory University School of Medicine. Atlanta, GA. (2 hours, 20 students/year) 2020 – Present

b. Graduate Programs:

i. Residency Programs:

Course Development

- Evidence Based Radiology. Teaching critical thinking through a journal club format for Radiology residents. University of Utah, Department of Radiology. Salt Lake City, UT. (8 hours/year, 24 residents) 2007 - 2008
- Quality Improvement Principles. University of Utah, Department of Radiology. Salt Lake City, UT. (2 hours/year, 28 residents) 2015 – 2017
- Resident Peer Learning Conference: Teaching principles of peer learning and peer review and a culture of safety through an interactive conference. Co-director with Mona Vakil, MD and Gayatri Joshi, MD (60 residents, 8 hours/year) 2018 – 2020 (on hold due to COVID)
- Understanding Safety Culture: Using simulated RCA events to explore differences between Human Errors, At-risk Behavior and Reckless Behavior. Course lead by Emory Radiology Quality Team (initial roll out to residents, with goal to extend to faculty, staff, 1.5 hours/Quarter) 2021 - Present

Didactic Lectures

- Abdominal Infections. Abdominal Imaging section, Gastrointestinal (GI) Resident Education Series. University of Utah, Department of Radiology, Salt Lake City, UT. (1 hour every other year, 24 residents) 2007 - 2012
- The Spleen: Everything you ever wanted to know. Abdominal Imaging section, GI Resident Education Series. University of Utah, Department of Radiology, Salt Lake City, UT. (1 hour every other year, 24-28 residents) 2007 - 2017
- Pelvic floor anatomy and disease. Abdominal Imaging section, Genitourinary (GU) Resident Education Series. University of Utah, Department of Radiology, Salt Lake City, UT. (1 hour every other year, 24-28 residents) 2008 - 2017
- Multimodality appearance of benign adenaxal masses. Abdominal Imaging section, GU Resident Education Series. University of Utah, Department of Radiology, Salt Lake City, UT. (1 hour every other year, 24-28 residents) 2008 - 2017
- CT Reporting in Oncology Accurate and Reproducible application of the RECIST Criteria. University of Utah, Department of Radiology. Abdominal Imaging section, GI Resident Education Series. Salt Lake City, UT. (1 hour every other year, 24-28 residents) 2013 – 2017

- *But is it Surgical? Imaging Characterization of Renal Masses.* Emory Radiology Department of Radiology and Imaging Sciences. Abdominal Imaging Division. Resident/Fellow Lecture – Abdominal Imaging Division: (1 hour, 10 fellows & residents) 2017
- *Introduction to Lean.* IR Fellows Orientation: Division of Interventional Radiology, Department of Radiology and Imaging Sciences, Emory University School of Medicine, Atlanta, GA, (1 hour/year 7 IR fellows). 2018 – Present
- *Introduction to Lean* Resident Lecture, University of Alabama – Birmingham, Department of Radiology, Birmingham, AB. October 2018
- *Resident Peer Learning.* Emory Department of Radiology and Imaging Sciences Resident Peer Learning Conference. (each lecture is 1 hour/year 60 residents), 2018 - Present
 - “Resident Peer Learning Conference: Teaching principles of peer learning, peer review and a culture of safety through an interactive conference.” August 2018
 - “Root Cause Analysis” October 2018
- *Introduction to Lean.* Emory Radiology Department of Radiology and Imaging Sciences. Resident Lecture – Quality Improvement Team: (1 hour, 30 residents and students). October 2019
- *Intro to Radiology Reports Structured & Templated Reporting.* Emory Radiology Department of Radiology and Imaging Sciences. Resident Lecture – Abdominal Division: (1 hour, 30 residents). August 2020

Interactive conferences

- GU Oral Board Exam Review. University of Utah, Department of Radiology, Salt Lake City, UT. (3 hours/year, 6 PGY-5 Radiology Residents). 2013 - 2014
- GU Core Exam Board Review. University of Utah, University of Utah, Department of Radiology, Salt Lake City, UT. (3 hours/year, 6 PGY-4 Radiology Residents). 2014 - 2017
- Non- Interpretive Skills Core Exam Board Review. University of Utah, Department of Radiology, Salt Lake City, UT. (3 hours/year, 6 PGY-4 Radiology Residents). 2016 – 2017
- GU Core Exam Board Review. Emory University School of Medicine, Department of Radiology and Imaging Sciences, Atlanta, GA. (2 hours/year, 14 PGY-4 Radiology Residents). 2018 - Present
- Non-Interpretive Skills Core Exam Board Review. Emory University School of Medicine, Department of Radiology and Imaging Sciences, Atlanta, GA. (2 hours/year, 14 PGY-4 Radiology Residents). 2018 – Present

Urology: Urology Residency Core Lecture Series, Utah Health, 2009 – 2017,

- *Radiology Primer for Urologists, including everything you need to know about MRI.* University of Utah Department of Surgery, Division of Urology, Resident education conference, Salt Lake City, UT. (2 hours, 10 residents) Salt Lake City, UT. 2012
- *Radiology for Urologists: Basic modalities/imaging.* University of Utah Department of Surgery, Division of Urology, Resident education conference, Salt Lake City, UT. (1.5 hours/year, 10 residents) 2013 - 2017
- *Radiology for Urologists: MRI of the Prostate.* University of Utah Department of Surgery, Division of Urology, Resident education conference, Salt Lake City, UT. (1.5 hours/year, 10 residents) 2014 - 2017
- *Imaging the Adrenal Gland: What to do, when, why and how will you know?* University of Utah Department of Surgery, Division of Urology, Resident education conference, Salt Lake City, UT. (1 hour/year, 10 residents) 2016 - 2017

GI Fellows

- Imaging Pelvic Floor Pathology. Women's Health Issues, University of Utah GI Fellows Conference. GI Fellows & Faculty (15 attendees). 2010.

Emergency Medicine

Imaging of PE and Appendicitis in Pregnant Females. Emergency Medicine Resident Education: OB module, Panel Discussion. **Heilbrun ME**, Mann H, Romero S. 2012

CT Scans: Guess what this is? University of Utah, Division of Emergency Medicine, Resident lecture. 2016

Fellowship Programs:

Body Imaging Fellowship. Emphasis on Pelvic MRI, evidence-based practice, appropriate technology utilization and reporting. Department of Radiology and Imaging Sciences at Utah Health. (2 fellows/year). 2006 - 2017

Abdominal Imaging Fellowship. Emphasis on Abdominal and Pelvic MRI, Quality Improvement, evidence-based practice, appropriate technology utilization and reporting. Department of Radiology and Imaging Sciences at Utah Health. (6-8 fellows/year). 2017 - Present

c. Other Categories:

MDCRC 6130: Introduction to Decision Analysis. Course session - Projects from Prior Students. **Heilbrun ME**, Pinto N. Course directed by Mark Roberts and Ken Smith, Track 2 MS Clinical Investigation, 20 students. 2013

19. Supervisory Teaching:

a. Residency Program:

- i. Attending Radiologist, Abdominal and thoracic diagnostic radiology. Department of Radiology and Imaging Sciences at Utah Health and SLC VA Hospital clinical work areas. 2007 - 2017
- ii. Attending Radiologist, Abdominal diagnostic radiology. Department of Radiology and Imaging Sciences at Emory Healthcare and at Grady Hospital. 2017 – Present
- iii. Chief Residents supervised as Residency Program Director
 - i. 2014-15: Megan Mills, MD. Current Position: Assistant Professor, Associate Program Director. University of Utah Health, Department of Radiology and Imaging Sciences, Musculoskeletal section, Salt Lake City, UT.
 - ii. 2014-15: Reza Pakdaman, MD. Current Position: Director of Women's Breast & Imaging Center. Attending Physician/Hospital Staff Radiologist, San Antonio Regional Hospital, Upland, CA.
 - iii. 2015-16: Loren Longenecker, MD. Current Position: Staff Radiologist, Austin Radiological Association, Austin, TX.
 - iv. 2015-16: Michael McLaughlin, MD. Current Position: Staff Radiologist, Nellis Air Force Base, Las Vegas, NV.
 - v. 2016-17: Benjamin Morrissey, MD. Current Position: Staff Radiologist. Boise Radiology Group, Boise, ID.
 - vi. 2016-17: Scott Parker, MD. Current Position: Staff Radiologist. Medical Imaging Associates, Idaho Falls, ID.

b. Thesis Committee:

- i. Tracy J. Robinson, MD: Master's Science Biomedical Informatics, 2014
- c. Supervision of Research Projects with Trainees (Residents & Fellows)
 - i. Logan McLean, MD. University of Utah Department of Radiology. Diagnostic Radiology Resident and Abdominal Imaging Fellow. Research project: Assessing the role of magnetic resonance imaging in the management of gravid patients at risk for placenta accrete, 20 hours, 2010 - 2012. *Trainee's Current Career Activities:* Staff Radiologist, Section Head of Abdominal Imaging. Physician Specialists of Utah, Salt Lake City, UT.
 - ii. Jessica Chan, MD. University of Utah Department of Radiology. Research Project, Impact of early CT utilization in blunt trauma patients on length of stay. 10-20 hours/year, 2012 - 2017. *Trainee's Current Career Activities:* Assistant Professor, Cardiothoracic Section, 2020 - Present.
 - iii. Scott Parker, University of Utah Department of Radiology and Imaging Sciences. Research project: Integration of Bone and Computed Tomography Scans to Assess Bone Metastasis in Metastatic Castration-Resistant Prostate Cancer. 5 hours, year. 2016 – 2017
 - iv. Bryan Foster, University of Utah Department of Radiology, Body Imaging Section. Fellow from 2010 - 2011. Accuracy of Prostate MRI, initial experience. *Trainee's Current Career Activities:* Associate Professor, Body Imaging, Department of Diagnostic Radiology, Oregon Health Sciences School of Medicine.
 - v. RJ Willmore, University of Utah Department of Radiology & Imaging Sciences, Abdominal Imaging Section. Fellow from 2016 - 2017. MRI in Pregnant Patients with Suspected Appendicitis: Accuracy at a Cost.
 - vi. Charlotte Chung, Emory Department of Radiology & Imaging Sciences, Diagnostic Radiology Resident, I3T track resident. 2018 – Present. Structured reporting.
 - vii. Dominique Newallo, Emory Department of Radiology & Imaging Sciences, Nuclear Medicine Residency. 2019 – Present. Quality Improvement in Nuclear Medicine.
- d. Supervision of Research Projects with Trainees (Post-Doctoral Trainee)
 - i. Junhua Yu, University of Utah. Pharmacotherapy Outcomes post-doctoral fellow with interest in decision science and modeling. Cost-Effectiveness of renal mass biopsy, economic modeling. 2009-2011. *Trainee's Current Career Activities:* Assistant professor at Touro University California.
- e. Other Mentoring Activities (Students mentored/supervised)
 - i. Kaerli Christensen, School of Medicine, University of Utah. Research mentor and advisor for radiology research project: Isolated single umbilical artery and intrauterine growth restriction, has the risk been overstated? 2009 - 2011. *Trainee's Career Activities:* Diagnostic Radiology Resident at the University of Utah, 2013-2017. Breast Imaging Fellow at the University of Utah, 2017-18. Staff Radiologist: Diagnostic Imaging Northwest, Portland OR, 2018 – Present.
 - ii. Asha Sarma, School of Medicine, University of Utah. Radiology research/ethics project: A medical student perspective on self-referral and overutilization in radiology: application of the four core principles of medical ethics. 2011 - 2012. *Trainee's Career Activities:* Residency in Diagnostic Radiology, Massachusetts General Hospital (2012-16). Served as Chief Resident. Pediatric Radiology Fellow, Boston Children's Hospital (2016-17). Assistant Professor, Pediatric Imaging, Vanderbilt University, 2018 – present.
 - iii. Evan Narasimhan, School of Medicine, University of Utah. Research mentor. 2015 - 2016. Annotation of critical findings from radiology reports: towards automated communication through the electronic health record. *Trainee's Career Activities:* Diagnostic Radiology Residency at OHSU 2017-2021.

- iv. Neel Patel, School of Medicine, University of Utah. Career counseling and research mentor. 2015 - 2016. Annotation of critical findings from radiology reports: towards automated communication through the electronic health record. *Trainee's Career Activities: Diagnostic Radiology Residency at OHSU 2017-2021.*
- v. Talmadge Barth, School of Medicine, University of Utah. Career counseling and research mentor. 2016 - 2017. *Trainee's Career Activities: Diagnostic Radiology Residency at UIowa 2018-2022.*
- vi. Zaid Haddadin, School of Medicine, University of Utah. Career counseling and research mentor. 2016 - 2017. *Trainee's Career Activities: Diagnostic Radiology Residency at UCLA 2018-2022.*
- vii. Neil Bhatia, Emory University School of Medicine, 2020 Discovery Project. 2019 – present. Career counseling and research/academic mentor. Using artificial intelligence tools to solve quality and process improvement tasks. Addressing Modality Time Stamp drift compared to Universal Time. 2019-Present. *Trainee's Career Activities: Diagnostic Radiology Residency at Emory 2021-2026.*
- viii. Declan Sung, Amherst College. Undergraduate career counseling and research/academic mentor. Assessing physician staffing models through a lens of health care disparities. 2020 – Present.

20. Lectureships, Seminar Invitations, and Visiting Professorships:

- a. National and International:
 - 1. University of New Mexico, Visiting Professor/Radiology Resident Research Judge, Albuquerque, NM 2010
 - 2. University of Iowa, Department of Radiology, Invited Visiting Professor, "Radiology Health Services Research: Owning Value," Iowa City, IA 2016
 - 3. University of Alabama – Birmingham, Department of Radiology, Invited Visiting Professor 10th Annual Barfield-Carter lecture, "The Radiology Value Chain" Birmingham, AB 2018
- b. Institutional:
 - 1. Grand Rounds Department of Orthopedics, University of Utah School of Medicine, "Choosing Wisely – The Pre-Operative Chest X-ray," 2013
 - 2. Grand Rounds Department of Radiology and Imaging Sciences, Emory University School of Medicine, "What have I learned and where are we going: Update 1 year after signing an Emory Contract," May 30, 2018
 - 3. Grand Rounds Department of Radiology and Imaging Sciences, Emory University School of Medicine, "Emory Quality GR 2021: What is Value?" April 28, 2021

21. Invitations to National/International, Regional, and Institutional Conferences:

- a. National and International:
 - 1. Invited panelist: Beginning an academic career. Radiological Society of North America Resident Introduction to Research program at Radiological Society of North America 2006, 92nd Scientific Assembly and Annual Meeting. Chicago, IL
 - 2. Invited panelist: "Junior Faculty Panel: Balancing Life and Career in Academic Radiology." Siemens Association of University Radiologists Radiology Resident Academic Development (SARRAD) Program at Association of University Radiologists, 56th Annual Meeting. Seattle, WA. Seattle, WA. 2008

3. Moderator: SS02 - Health Services and Informatics. Association of University Radiologists 57th Annual Meeting. Arlington, Virginia. 2009
4. Invited panelist: "Junior Faculty Panel: Balancing Life and Career in Academic Radiology." Siemens Association of University Radiologists Radiology Resident Academic Development (SARRAD) Program at Association of University Radiologists 57th Annual Meeting. Arlington, Virginia. 2009
5. Prostate imaging at 3T: Pearls and pitfalls without the endorectal coil. Society of Gastrointestinal Radiology & Society of Uroradiology/ Abdominal Radiology Course. Orlando, FL. 2010
6. RAHSR Session: Research in Progress: Meet the Experts. Association of University Radiologists, 58th Annual Meeting. San Diego, CA. 2010
7. Moderator: SS05 - RAHSR (Health Services Research. Association of University Radiologists 58th Annual Meeting. San Diego, CA. 2010
8. "NIH Mock Study Section." Society of Nuclear Medicine 2010 Annual Meeting. Salt Lake City, UT. 2010
9. Multimodality imaging of benign adnexal masses. Society of Gastrointestinal Radiology & Society of Uroradiology/Abdominal Radiology Course. Carlsbad, CA. 2011
10. Posterior compartment disease: evaluating pelvic floor laxity - MR vs defecography. International Urogenital Radiology joint meeting of European Society of Urogenital Radiology and Society of Uroradiology. Dubrovnik, Croatia 2011
11. Invited panelist, Physicians Panel @ VisWeek. Workshop on Visual Analytics in Healthcare: Understanding the Physician Perspective in conjunction with VisWeek 2011, Oct 23-28, Providence, RI.
12. Lunchtime Radiology Informatics Roundtable discussion: Radlex and Reporting. Radiological Society of North America 97th Scientific Assembly and Annual Meeting, Chicago, IL. 2011
13. An interactive discussion of reporting templates in abdominal imaging. Society of Gastrointestinal Radiology & Society of Uroradiology/ Abdominal Radiology Course. Scottsdale, AZ. 2012
14. Invited lecturer Kelly AM, Sanelli PC, Lee JM, Heilbrun ME, Cronin PP, Rawson JV. RAHSR/ACER Session. Reporting Guidelines and Appraising the Literature (CME/SAM session). Association of University Radiologists Annual Meeting, Los Angeles, CA. 2013. CME
15. Invited lecturer Heilbrun ME, Eberhardt SC. Reporting templates in abdominal imaging. Workshop Session V. Abdominal Radiology Course 2013, Presented in The Society of Abdominal Radiology, Maui, HI. 2013. CME
Invited lecturer Rawson JV, Heilbrun ME, Norbash AM. Changing Role of Radiology in the U.S. Health Care System. RSNA Refresher Course (RC727). RSNA 2013: 99th Scientific Assembly and Annual Meeting. McCormick Place, Chicago, IL.
16. Invited lecturer Langlotz C, Kahn C, Heilbrun ME. The RSNA Reporting Initiative: Developing a Library of Best-Practices Radiology Report Templates. RSNA 2013: 99th Scientific Assembly and Annual Meeting. McCormick Place, Chicago, IL.
17. Invited lecturer – Plenary Session Heilbrun ME. Plenary Session - Where You Can Add Value Now: Reporting. Opening presentation, "Structured and Templated Reporting: An Overview." With GW Boland, A Rockall, KJ Morteale, A Rosenkrantz and M Harisinghani. Society of Abdominal Radiology, 2014 Annual Meeting. CME
18. Invited lecturer – keynote Heilbrun ME. ISP: Health Service, Policy and Research (Economic Analyses) Scientific Session: Keynote topic: Cost-effectiveness in Diagnostic Imaging: What are we trying to achieve? Heilbrun ME & Lee JM Moderators. Radiological Society of North America Annual Meeting 100th Radiological Society of North America Annual Meeting. McCormack Center, Chicago, IL. 2014. CME
19. Invited lecturer Winkler NS, Taylor J, Heilbrun ME*. Pancreatic Trauma: AAST Criteria and CT Findings Influencing Patient Management. Workshop Session III. SAR 2015 Annual Scientific

- Meeting and Educational Course. Society of Abdominal Radiology, Hotel del Coronado, Coronado, California. 2015. CME *Mentor to Junior faculty presenter.
20. Invited lecturer and panelist Larson DB, Kahn CE, Heilbrun ME. Structured Reporting and the RSNA Reporting Initiative: radreport.org: Facing Challenges and Moving Forward. Refresher Course. RSNA Scientific Assembly and Annual Meeting. McCormick Place, Chicago, IL. 2015. CME
 21. Invited lecturer and panelist Heilbrun ME, Krishnaraj A, Kruskal JB, Saini, S. In-Camera Session: Healthcare Reform & Radiology: Real Solutions You Can Use Now. Moderated by Boland GWL. SAR 2016 Annual Scientific Meeting and Educational Course. Hilton Waikoloa Village, Waikoloa, Hawaii. 2016. CME
 22. Invited lecturer Heilbrun ME. Organizational Programs that Support the Transition to Value: Value Driven Performance and Outcomes – The Utah experience. ACR Annual Conference on Quality and Safety. Boston, MA 2016. CME
 23. Invited lecturer Heilbrun ME, Dunnick R. RSNA Education Track refresher course: Controversies in Radiology Education – have we landed in the Magic Kingdom or the Wild Wild West: Value in the New Residency Fourth Year Golden Goose or Lame Duck. Moderator Davis L. RSNA 2016: 102nd Scientific Assembly and Annual Meeting. McCormick Place, Chicago, IL. 2016. CME
 24. Invited lecturer Introduction to Academic Radiology Program: Practical Tips for Building a Research Career. Radiological Society of North America 2016: 102nd Scientific Assembly and Annual Meeting. McCormick Place, Chicago, IL. 2016
 25. Invited lecturer Heilbrun ME. "Disease Specific Structured Reporting" in Plenary Session – Colo-Rectal Cancer: Genetics, Current Imaging and Treatments. With Hong TS, Harisinghani MG, Dachman AH, Kim DH, Shyn PB, moderated by Gollub MJ and Yee J. SAR 2017 Annual Scientific Meeting and Educational Course. Hollywood Diplomat Resort, Hollywood FL. 2017. CME
 26. Invited lecturer Heilbrun ME. "Disease Specific Structured Reporting" in Plenary Session – Colo-Rectal Cancer: Genetics, Current Imaging and Treatments. With Hong TS, Harisinghani MG, Dachman AH, Kim DH, Shyn PB, moderated by Gollub MJ and Yee J. SAR 2017 Annual Scientific Meeting and Educational Course. Hollywood Diplomat Resort, Hollywood FL. 2017. CME
 27. Invited lecturer Heilbrun ME. "Limitations of Published Evidence: Sources of Bias" in Teaching Evidence-based Medicine. With Jarvik JG, Mayo-Smith WW, Kelly HK. Moderated by Heilbrun ME with Heller MT. AUR 65th Annual Meeting: Leading Change & Bringing Value. The Diplomat Beach Resort, Hollywood, FL. 2017. CME
 28. Invited lecturer Minoshima S, Heilbrun ME. "Financial Management" in Alignment and Education between the Chair and Program Director. With Omary RA, Donnelly F, Meltzer CC, Mullins ME Moderated by Deitte, LA. AUR 65th Annual Meeting: Leading Change & Bringing Value. The Diplomat Beach Resort, Hollywood, FL. 2017. CME
 29. Invited lecturer Heilbrun ME. "Building Change into the Organizational Culture" in Innovations in Academic Radiology: The Radiologist as a Change Agent: What's in Your Toolbox? With Rawson JV, Norbash A, Kotsenas AL, Canon CL, Kelly AM, Rosenkrantz, AB, Sepulveda KA. Moderated by Rawson JV. AUR 65th Annual Meeting: Leading Change & Bringing Value. The Diplomat Beach Resort, Hollywood, FL. 2017. CME
 30. Invited lecturer "Root Cause Analysis" in Definition and Basics (Radiology Quality Officer Series). American College of Radiology Annual Meeting 2017, Washington, DC. 2017
 31. Invited panelist Heilbrun ME, McGinty G, Applegate KE "Entrepreneurial Women in Radiology: Barriers to Success and Role Models for the Future." American College of Radiology Resident and Fellows Section Economics Advisory Group journal club webinar. September 2018

32. Invited speaker and panelist "Research in Health Care Quality" in "Scientific and Health Policy Research, Part 3: Outcomes Research for Early Investigators." with Lee C and Kang S, Association of University Radiologists, 67th Annual Meeting. Baltimore, MD. 2019
33. Invited speaker and panelist "Rethinking the Radiologist's Value Equation" in "Future Practice Management." with Gupta R, Cook T, Kruskal J, Heller R, and Schoppe K. American College of Radiology Annual Meeting 2019, Washington DC. May 2019
34. Invited speaker and ½ day session lead, "Quality Improvement Bootcamp for Residents/Fellows/Junior Faculty." With Krishnaraj A. American College of Radiology Annual Conference on Quality and Safety 2019, Denver, CO. October 2019
35. Invited speaker and panelist, "Visual Management Systems: EmPowering the Front Line. "Quality Improvement Bootcamp for Residents/Fellows/Junior Faculty." In Session "Empowerment/Responsiveness." with Broder J, Brook O, Smith R. American College of Radiology Annual Conference on Quality and Safety 2019, Denver, CO. October 2019
36. Invited speaker and panelist, "Leading in Quality: What Matters Most" In Plenary Session XI: Best of Leadership. Society of Abdominal Radiology Annual Scientific Meeting and Educational Course, Maui, HI, March 2020.
37. Invited speaker and panelist, "Creating a Long-Term Strategy for Social Distancing among Radiology Personnel" In Webinar "COVID-19 - Radiology Surge and Second Surge Preparedness (Part 2)." With Cheng L, Sahani D, moderated by Tan B, Klein J. RSNA COVID-19 Webinars. June 2020
38. Invited speaker and moderator, "What is the RSNA Template Library?" In RC753: The RSNA Technology Stack for Semantics and Reporting: RadLex, RadElement and RadReport. Radiological Society of North America 2020: 106th Scientific Assembly and Annual Meeting. Virtual Meeting.
39. Invited speaker/Program Co-Chair, "Welcome and Introductions." with A Towbin. American College of Radiology Virtual Annual Conference on Quality and Safety. October, 2020.
40. Invited speaker, 'Breakout Session: Getting Started in QI: Boot Camp.'" with N Irani. American College of Radiology Virtual Annual Conference on Quality and Safety. October 2020.
41. Invited Speaker/Program Co-Chair, "Closing Remarks and Awards Closing Remarks." with A Towbin. American College of Radiology Virtual Annual Conference on Quality and Safety. October, 2020.
42. Invited speaker, "Building Frontline Problem Solvers" In MSQI31 On Demand Session: In Quality Improvement Symposium: High Functioning Interventional Radiology Teams. Radiological Society of North America 2020: 106th Scientific Assembly and Annual Meeting. Virtual Meeting.
43. Invited presentation, "Debate: Simple-structured versus Disease-specific Structured Reporting—Simple-structured is Better" In RC153 DPS Upload Session: In Structured Reporting: How Can We Make it Better? (converted from invited oral presentation to digital). Radiological Society of North America 2020: 106th Scientific Assembly and Annual Meeting. Virtual Meeting.
44. Invited presentation, "Building Frontline Problem Solvers: Emory EmPower." Stanford Medicine 2021 Quality Improvement Summit "Improvement Capability". Virtual Meeting.
45. Invited presentation and panelist, "Incidental Findings Management" in Plenary Session IX: Value in Radiology, with Boland G, Pickhardt P, Krishnaraj A and Shoppe K; moderated by Moreno C & Rosencratz A. Society of Abdominal Radiology 2021 Digital Annual meeting.
46. Invited speaker and panelist, "Enterprise-wide Structured Radiology Reporting to Improve Quality" in Radiology-led Health Systems Quality Improvement, with Lee R, Lincoln CM, and Sadigh G; moderated by Jarvik J & Charalei R. Association of University Radiologists 69th Annual Meeting: Virtual Meeting. 2021

47. Course leader and invited presenter, "Quality Practice Improvement Workshop: How to Put it All Together." In AUR Radiology Resident Academic Leadership (ARRALD) Program, with Cronin P, Davis M, Kadom N. Association of University Radiologists 69th Annual Meeting: Virtual Meeting. 2021

b. Institutional

1. "Introduction to Quality Improvement Methodology" in Introduction to Research in Radiology, for R2 Radiology residents, Department of Radiology and Imaging Sciences, Emory University School of Medicine Atlanta, GA, October 2017
2. "Artificial Intelligence: Friend or Foe" in 2018 Radiology Medical Student Symposium: An Inclusive Vision for Radiology, Department of Radiology and Imaging Sciences, Emory University School of Medicine, Atlanta, GA, 2018
3. "Closing the Loop" Model Team: RLA Final presentation, with Carol Dowdle, Bertu Kadir, and Valeria Moncoya, Department of Radiology and Imaging Sciences, Emory University School of Medicine, Atlanta, GA, June 2018
4. "Introduction to Quality Improvement Methodology" in Introduction to Research in Radiology, for R2 Radiology residents, Department of Radiology and Imaging Sciences, Emory University School of Medicine Atlanta, GA, October 2018
5. "Introduction to Quality Improvement Methodology" in Introduction to Research in Radiology, for R2/R3 Radiology residents, Department of Radiology and Imaging Sciences, Emory University School of Medicine Atlanta, GA, October 2019
6. "Emory Radiology Leadership Academy (RLA) Leadership Panel." Invited Panelist with Meltzer C, Krupinski EA, Safdar N, Saindane A in Radiology Leadership Academy, Emory University School of Medicine Atlanta, GA, January 2020.
7. "Introduction to A3 Thinking." Invited hands-on course in Radiology Leadership Academy, Emory University School of Medicine Atlanta, GA, December 2020.
8. "Walking the Tightrope: Navigating my views, your views and organizational values" Panel discussion in Radiology Leadership Academy, Emory University School of Medicine Atlanta, GA, January 2021.

14. Presented Abstracts:

1. **Heilbrun ME**, Barnes CE, Chen MY. (2003) Patterns of growth and associated abnormalities in the contralateral kidney of patients with unilateral multicystic dysplastic kidney [Abstract]. Poster presentation, Society of Pediatric Radiology 2003 Annual Meeting. San Francisco, CA.
2. Chew FS, **Heilbrun ME**, Olsen KM. (2004) Imaging musculoskeletal trauma in the elderly [Abstract]. ARRS Annual Meeting, Miami Beach, FL
3. Relyea-Chew A, Chew FS, Cline DM, **Heilbrun ME**. (2005) Radiology of go-cart injuries in children [Abstract]. Electronic scientific poster presented at RSNA 91st Scientific Assembly and Annual Meeting, Chicago, IL
4. **Heilbrun ME**, Carr JJ, Register TC, Ruggiero A, Shively CA. (2006) Using non-human primates and CT to understand the relationship between hepatic steatosis and atherosclerosis [Abstract]. Oral scientific presentation. Awarded 2006 Resident/Trainee Award. RSNA 2006, 92nd Scientific Assembly and Annual Meeting, Chicago, IL.
5. **Heilbrun ME**, Shaaban AM, Rezvani M, Sommers DN, Olpin J, Woodward PJ. Electronic education exhibit/CME presentation. A multimodality imaging review of spleen pathology. Electronic Education Exhibit. Awarded Certificate of Merit. RSNA 2008: 94th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, IL.

6. Shaaban AM, Rezvani M, Salama ME, Mansour M, **Heilbrun ME**, Morrell GR. Hepatic Diseases Characterized by Periportal or Segmental Distribution: Imaging Features, Differential Diagnosis, and Pathological Correlation. Electronic Education Exhibit. RSNA 2009, 95th Scientific Assembly and Annual Meeting. Chicago, IL.
7. Rezvani M, Shakespear JS, **Heilbrun ME**, Shaaban AM, Yaghmai V, Woodward PJ. Peutz-Jeghers: Evaluation with CTE—Looking within and beyond the Small Bowel. Electronic education exhibit. RSNA 2009, 95th Scientific Assembly and Annual Meeting. Chicago, IL.
8. McLean L*, **Heilbrun ME**, Kennedy, AK, Woodward PJ. (2009) Socioeconomic Implications of MR Imaging after US in the Work-up and Operative Management of Gravid Patients at Risk for Placenta Accreta [Abstract]. Awarded 3rd Place Trainee Prize. Oral scientific presentation. Association of University Radiologists 58th Annual Meeting, San Diego, CA
9. **Heilbrun ME**, Lockhart ME, Nygaard I, Richter H. (2009) Assessment of Levator Ani Muscles Injury on MRI and Correlation with Fecal Incontinence, Pelvic Organ Prolapse, and Urinary Incontinence in Primiparas Women. [Abstract]. Oral scientific presentation. RSNA 2009, 95th Scientific Assembly and Annual Meeting, Chicago, IL
10. **Heilbrun ME**, Lockhart ME, Nygaard I, Richter H, Delancey JO. (2009) Reproducibility of Categorical Scoring of Levator Ani Muscle Defects after Childbirth in Newly Trained Radiologist [Abstract]. Oral scientific presentation. RSNA 2009, 95th Scientific Assembly and Annual Meeting, Chicago, IL
11. **Heilbrun ME**. (2009) Should Radiology Residents Be Taught Evidence-based Radiology? A Failed Experiment with “The EBR Journal Club” [Abstract]. Oral presentation. Association of University Radiologists 57th Annual Meeting, Arlington, VA.
12. Yu J*, **Heilbrun ME**, Smith KJ, Zagoria RJ. (2010) The cost-effectiveness of early surgery, adding biopsy and watchful waiting in the management of small solid renal masses: Evidence from a Markov model [Abstract]. Poster presented at ISPOR 15th Annual International Meeting, Atlanta, GA.
13. Christensen KM*, **Heilbrun ME**, Kennedy A, Patel N, Winter T, Woodward P. (2010) Isolated single umbilical artery and intrauterine growth restriction, has the risk been overstated? [Abstract] Poster presentation. Association of University Radiologists 58th Annual Meeting, San Diego, CA
14. Enslow M, Morton K, Butterfield R, Christian P, Kadrmas D, **Heilbrun M**, Jensen R, Hoffman J. (2011) Differentiation between recurrent primary brain tumor and radiation necrosis by FDG and FLT PET [Abstract]. J Nucl Med
15. Hoffman J, Butterfield R, Christian P, **Heilbrun M**, Morton K. (2011) The Utility of FDG PET-CT for the Diagnosis of Occult Malignancy in Patients with Acute, Unprovoked Venous Thromboembolism [Abstract]. Nucl Med May 2011 vol. 52 no. supplement 1 1922
16. Foster B*, Furtado L, Liu T, Dechet C, Shabel M, Layfield L, **Heilbrun ME**. (2011) Comparative study of surface coil 3T prostate MRI and whole-mount prostatectomy sections for detection of prostate cancer and extracapsular extension [Abstract]. Abdominal Radiology Course, Carlsbad, CA.
17. Furtado LV, **Heilbrun ME**, Dechet CB, Schabel MC, Foster B, layfield LJ, Liu T. (2011) Comparative study of 3.0T MRI and whole-mount prostatectomy sections for prostate cancer detection [Abstract]. Poster presented at USCAP 2011 Annual Meeting, San Antonio, TX
18. **Heilbrun ME**, Morton K, Zhang JL, Vivier PH, Conlin CC, Lee VS. (2013) MR GFR measures vs MDRD estimates of renal function in cirrhotics, Electronic Poster # 4144 [Abstract]. The International Society of Magnetic Resonance Imaging 21st Annual Meeting, Salt Lake City, UT, April 20-26, 2013
19. Conlin CC, Zhang JL, **Heilbrun ME**, Rusinek H, Mikheev AV, Lee VS. (2013) The Influence of Image Registration and Segmentation Error on Functional MR Renography [Abstract]. The International Society of Magnetic Resonance Imaging 21st Annual Meeting, Salt Lake City, UT, April 20-26, 2013

20. **Heilbrun ME**, Zimmerman J, Higgins T, Andtbacka R, Pendleton R (2014). *Choosing Wisely: The Pre-Operative Chest X-Ray* [Abstract]. 2014 Scientific Session at the American College of Radiology Annual Quality and Safety Conference, February 14-15 in Scottsdale AZ.
21. Edwards O* & **Heilbrun ME** (2014). *Evolving the "Hot Seat" Case Conference system in response to the New Boards: Role of an Audience Response System and Multiple Choice Questions* [Abstract]. Association of University Radiologists Annual Meeting, Baltimore, MD.
22. Chan J*, Nirula R, **Heilbrun ME** (2014). *Measuring the impact of whole body computed tomography (CT) on length of stay in blunt trauma* [Abstract]. Association of University Radiologist Annual Meeting, Baltimore MD.
23. Kaptuch J*, **Heilbrun ME** (2015). *Implementation of a Self-Directed Radiology Business Curriculum Using Readily Available Online Resources Free to Radiology Residents in Training to Meet Health Care Economic Milestones as Outlined by the American Board of Radiology* [Abstract]. American College of Radiology 2015 Annual Meeting at the Marriott Wardman Park in Washington, DC.
24. Wright B*, **Heilbrun ME** (2015). *Resident Education and Ultrasound: Managing On-Call Workflow - ePoster* [Abstract]. American College of Radiology 2015 Annual Meeting at the Marriott Wardman Park in Washington, DC.
25. Chapman BE, Gentili A, Schulthies SL, **Heilbrun ME** (2015). *Informatics (Results and Reporting) Scientific Session: Lexical Disparities between Reports Authored by Residents and Reports Authored by Attending Radiologists Using Natural Language Processing. Hirschhorn DS & Makori A Moderators (SSG08-03)* [Abstract]. Radiological Society of North America 2015: 101st Scientific Assembly and Annual Meeting, McCormick Place, Chicago, IL.
26. Willmore RJ*, **Heilbrun ME**, Harmon T, Resvani M (2016). *MRI in Pregnant Patients with Suspected Appendicitis: Accuracy at a Cost* [Abstract]. Society of Abdominal Radiology 2016 Annual Scientific Meeting and Educational Course, Hilton Waikoloa Village, Waikoloa, Hawaii.
27. Chan J*, Johnson CR, **Heilbrun ME** (2016). *Measuring the Impact of Whole-Body CT on Hospital Length of Stay for Blunt Trauma* [Abstract]. Association of University Radiologists 64th Annual Meeting, Manchester Grand Hyatt, San Diego, CA.
28. Martin LA, Seton G, Aldred B, Hopkins P, Chan J, **Heilbrun ME**, Mone M, Scaife C, Peche W (2016). *When BMI Fails to Measure Up: Perinephric and Periumbilical Fat as Predictors of Operative Risk* [Abstract]. SWSC 2016 Annual Meeting: The Southwestern Surgical Congress, Hotel del Coronado, Coronado, CA.
29. Patel N*, Narasimhan E*, Mowery D, Chapman WW, Chapman BE, **Heilbrun ME** (2016). *Annotation of critical findings from radiology reports: towards automated communication through the electronic health record*. Accepted Scientific Poster Presentation [Abstract]. 2016 Annual Meeting of the Society for Imaging Informatics in Medicine (SIIM); Portland, OR.
30. Cramer J*, Schmidt TS, Kahn CE, **Heilbrun ME** (2016). *Radiology Reports - From Results to Action. Scientific Poster Presentation* [Abstract]. 2016 Annual Meeting of the Society for Imaging Informatics in Medicine (SIIM). Portland, OR.
31. Byrge N, **Heilbrun M**, Cattin LM, Stein DM, Neideen T, Sims CA, Galante JM, Malhotra A, Jurkovich GJ, Coimbra R, Gaspard SF, Cook MR, Demetriades D, Velmahos GC, Nirula R (2016). *An AAST-MITC analysis of pancreatic trauma: staple or sew? Resect or drain?* [Abstract]. 75th Annual Meeting of American Association for the Surgery of Trauma (AAST) and Clinical Congress of Acute Care Surgery, Hilton Waikoloa Village, Waikoloa, HI.
32. Barth TH*, Haddadin Z*, Chapman BE, **Heilbrun M** (2016). *Using template reporting for CTPA to improve diagnostic certainty in radiologist (Power Poster Presentation)* [Abstract]. Society of Computed Body Tomography and Magnetic Resonance 39th Annual Course, Grand America Hotel, Salt Lake City, UT.
33. Chan J*, Johnson CS, Greene TH, **Heilbrun ME** (2016). *Emergency Radiology Series: Measuring the Impact of Whole Body Computed Tomography (CT) on Emergency Department (ED) Length*

- of Stay in Blunt Trauma. 11/30/2016 [Abstract]. Radiological Society of North America 2016: 102nd Scientific Assembly and Annual Meeting, McCormick Place, Chicago, IL.*
34. Aldred B*, **Heilbrun ME**, Wiggins RH, Minoshima S, Drew T (2016). *Radiology Informatics: Quality and Safety - Peer Review, Medical Error Reduction. The Cost of Distraction: Quantifying the Effects of Telephone Interruptions on the Diagnostic Radiologist Using Mobile Eye Tacking. 12/01/2016 [Abstract]. Radiological Society of North America 2016: 102nd Scientific Assembly and Annual Meeting, McCormick Place, Chicago, IL.*
 35. **Heilbrun ME**, Byrge N, Sommers DN, Winkler NS, Nirula R (2016). *Emergency Radiology Series: Contemporary Topics in Imaging of Trauma Scientific Session: Inter-reader Agreement in the Detection and Classification of Pancreatic Trauma Injury on CT Using AAST Pancreatic Injury Scoring System (RC608-13). Steenburg SD, Nicolaou S, Gunn ML Moderators [Abstract]. Radiological Society of North America 2015: 101st Scientific Assembly and Annual Meeting, McCormick Place, Chicago, IL. (Oral Presentation).*
 36. Chung C*, Mutahi M, Duong P, Hanna T, Harkey P, **Heilbrun ME** (2019). *Utilizing Forced Functioning with Template Auto-launch Function to Implement Enterprise-Wide Standardized Structured Reporting System for Cross-Divisional Shared Templates 6/26/2019 [Abstract]. Society for Imaging Informatics in Medicine SIIM 2019 Annual Meeting, Gaylord Rockies Resort, Aurora, CO. (Poster Presentation).*
 37. Wick CA, Bhatti P, **Heilbrun ME** Krupinski EA, Tridandapani S (2019). *Human out of the loop: New technology and automating compliance 6/26/2019 [Abstract]. Society for Imaging Informatics in Medicine SIIM 2019 Annual Meeting, Gaylord Rockies Resort, Aurora, CO. (Poster Presentation).*
 38. Newallo D*, **Heilbrun ME**. *Radiology resident experience in protocol education. 10/11/2019 [Abstract]. American College of Radiology Annual Conference on Quality and Safety 2019, Denver, CO. October 2019. (Poster Presentation).*
 39. Wick CA, Bhatti PT, **Heilbrun ME**, Krupinski EA, Safdar NM, Trindapani S (2019). *Beyond Error Detection and Efficiency Enhancement: Point-of-Care Photography as a QI Tool in Radiography 12/4/2019 [Abstract]. Radiological Society of North America 2019: 105th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, IL. (Poster Presentation).*
 40. Rachh PV*, Duong PT, Hanna TN, Pendley A, Terry N, **Heilbrun ME**. *Improving ED CT Patient Flow 12/2/2019 [Abstract]. Radiological Society of North America 2019: 105th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, IL. (Poster Presentation). Quality Improvement Poster Award Winner.*
 41. Remer EM, Carpenter CR, **Heilbrun ME**, Klauer K, Krambeck A, Moreno CC, Scales CD, Shaw MM, Sternberg K, Moore C. *Suspected Renal Colic: Multispecialty Consensus Imaging and CT Dose Reduction Recommendations 12/5/2019 [Abstract]. Radiological Society of North America 2019: 105th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, IL. (Poster Presentation).*
 42. Wick CA, Hanna T, **Heilbrun ME**, Trindapani S (2020). *Impact of Point-of-Care Patient Photographs on Interpretation Times for Portable Radiographs 6/26/2020 [Abstract]. 2020 Annual Meeting of the Society for Imaging Informatics in Medicine (SIIM), Austin Convention Center, Austin, TX. (Oral presentation). Converted to virtual/poster due to COVID19 pandemic.*
 43. Balthazar P, Harri PA, Prater AB, **Heilbrun ME**, Mullins ME, Safdar NM. *Development and Implementation of an Integrated Imaging Informatics Track for Radiology Residents: Our 3 Year Experience 4/22/2020 [Abstract]. Association of University Radiologists 68th Annual Meeting, Philadelphia Marriott Downtown, Philadelphia, PA (Poster presentation). Conference cancelled due to COVID19 pandemic.*
 44. Bhatia NK*, **Heilbrun ME**, Safdar NM (2020). *Education Exhibit: AI in QI: Reviewing Uses of Artificial Intelligence in Pre-Interpretation Processes from Clinical Decision Support to Resident Education 11/29/2020 [Abstract]. Radiological Society of North America 2020: 106th Scientific Assembly and Annual Meeting. Virtual Meeting. (Digital Exhibit).*

45. Newallo DS*, Margeanu D, Heilbrun ME (2020). *Quality Improvement Report: Addressing Discrepancies in I-123 Pill Counting: Structure, Process, and Outcome of Change*. Radiological Society of North America 2020: 106th Scientific Assembly and Annual Meeting. Virtual Meeting. Radiological Society of North America 2020: 106th Scientific Assembly and Annual Meeting. Virtual Meeting. (Digital Exhibit).
46. Rachh PV*, Hanna TN, Duong PT, Heilbrun ME, Pendley A. *Quality Improvement Report: Lean Process Improvement: Measuring the Impact of a Project to Increase ED Throughput*. Radiological Society of North America 2020: 106th Scientific Assembly and Annual Meeting. Virtual Meeting. (Digital Exhibit).
47. Rachh PV*May 26, 2021May 26, 2021, Reich S, Stanley P, Sark R, Lawrence J, Pickett G, Govea L, Heilbrun ME (2021). *Improving Pre-Procedure Lead Times in Radiology*. 2021 Emory Quality Conference -- Emerging from Disruption: Improving health, experience and value for patients and families, and the joy of providing health care. (Virtual Poster Presentation)

* 1st Author is a Trainee/Supervisee - ME Heilbrun is Primary Mentor

14. Research Focus:

My research involves using existing data sources such as Electronic Health Records and aggregated data sets to understand best processes, optimize workflow and define the impact of diagnostic imaging tests on disease outcomes. This includes developing evidence based clinical guidelines and structure and standards for the communication of information in radiology and quality improvement. I am bridging the gap from Health Services Research to Implementation Science.

15. Grant Support:

- a. Previous Support:
 - i. PI, A nonhuman primate model for quantitative CT volumetric measures of obesity and cardiovascular disease risk factors, Radiological Society of North America. \$50,000, 2005 – 2006
 - ii. PI, Cost effectiveness analysis of percutaneous biopsy in the diagnostic workup of the small solid renal mass. GE Healthcare, \$140,000. 2007-2009
 - iii. Co-Investigator, Correlation of MR Spectroscopy and Quantitative Dynamic Contrast-Enhanced Magnetic Resonance Imaging with Histopathology and Immunochemistry in Prostate Cancer. Molecular Imaging, Diagnostics, and Therapeutics Grant. Huntsman Cancer Institute. 2008-2009
 - iv. PI (sub-contract), Radlex Ontology Project (Radiological Society of North America-NIBIB RADLEX SUPPLEMENT PROJECT). Radiological Society of North America, \$194,396, 2009-2013
 - v. Co-Investigator, Accurate Measurement of Renal Function in Cirrhosis. National Institute of Diabetes and Digestive and Kidney Diseases. 2011-2012
 - vi. PI, Demonstrate the Value of Imaging: Measuring the impact of whole-body versus selective CT on length of stay in severe trauma. American College of Radiology- Neiman Policy Institute. \$29,825, 2013-2014

16. Bibliography

- a. Published and Accepted Research Articles (clinical, basic science, other) in Refereed Journals:
 1. Heilbrun ME, Tsuruda JS, Townsend JJ, Heilbrun MP. Intra-neural perineurioma of the common peroneal nerve. Case report and review of the literature. *J Neurosurg*, 2001; 94(5): 811-5.

2. **Heilbrun ME**, Salzman KL, Glastonbury CM, Harnsberger HR, Kennedy RJ, Shelton C. External auditory canal cholesteatoma: clinical and imaging spectrum. *AJNR Am J Neuroradiol*, 2003: 24(4), 751-6.
3. Yoder A, Wang X, Ma Y, Philipp MT, **Heilbrun M**, Weis JH, Kirschning CJ, Wooten RM, Weis JJ. Tripalmitoyl-S-glycerol-cysteine-dependent OspA vaccination of toll-like receptor 2-deficient mice results in effective protection from *Borrelia burgdorferi* challenge. *Infect Immun*, 2003: 71(7), 3894-900.
4. **Heilbrun ME**, Chew FS, Tansavatdi KR, Tooze JA. The role of negative CT of the abdomen and pelvis in the decision to admit adults from the emergency department after blunt trauma. *J Am Coll Radiol*, 2005: 2(11), 889-95.
5. **Heilbrun ME**, Zagoria RJ, Garvin AJ, Hall MC, Krehbiel K, Southwick A, Clark PE. CT-guided biopsy for the diagnosis of renal tumors before treatment with percutaneous ablation. *AJR Am J Roentgenol*, 2007: 188(6), 1500-5.
6. Hoyte L, Brubaker L, Fielding JR, Lockhart ME, **Heilbrun ME**, Salomon CG, Ye W, Brown MB. Measurements from image-based three dimensional pelvic floor reconstruction: a study of inter- and intraobserver reliability. *J Magn Reson Imaging*, 2009: 30(2), 344-50.
7. Rodrigues RS, Bozza FA, Christian PE, Hoffman JM, Butterfield RI, Christensen CR, **Heilbrun M**, Wiggins RH 3rd, Hunt JP, Bentz BG, Hitchcock YJ, Morton KA. Comparison of whole-body PET/CT, dedicated high-resolution head and neck PET/CT, and contrast-enhanced CT in preoperative staging of clinically M0 squamous cell carcinoma of the head and neck. *J Nucl Med*, 2009: 50(8), 1205-13.
8. **Heilbrun ME**, Nygaard IE, Lockhart ME, Richter HE, Brown MB, Kenton KS, Rahn DD, Thomas JV, Weidner AC, Nager CW, Delancey JO. Correlation between levator ani muscle injuries on magnetic resonance imaging and fecal incontinence, pelvic organ prolapse, and urinary incontinence in primiparous women. *Am J Obstet Gynecol*, 2010: 202(5), 488.e1-6.
9. Hoyte L, Ye W, Brubaker L, Fielding JR, Lockhart ME, **Heilbrun ME**, Brown MB, Warfield SK. Segmentations of MRI images of the female pelvic floor: a study of inter- and intra-reader reliability. *J Magn Reson Imaging*, 2011: 33(3), 684-91.
10. McLean LA*, **Heilbrun ME**, Eller AG, Kennedy AM, Woodward PJ. Assessing the role of magnetic resonance imaging in the management of gravid patients at risk for placenta accreta. *Acad Radiol*, 18(9) 2011: 1175-80.
11. **Heilbrun ME**, Yu J, Smith KJ, Dechet CB, Zagoria RJ, Roberts MS. The cost-effectiveness of immediate treatment, percutaneous biopsy and active surveillance for the diagnosis of the small solid renal mass: evidence from a Markov model. *J Urol*, 2012: 187(1), 39-43.
12. Rondina MT, Wanner N, Pendleton RC, Kraiss LW, Vinik R, Zimmerman GA, **Heilbrun M**, Hoffman JM, Morton KA. A pilot study utilizing whole body 18 F-FDG-PET/CT as a comprehensive screening strategy for occult malignancy in patients with unprovoked venous thromboembolism. *Thromb Res*, 2012: 129(1), 22-7.
13. Hong Y, Zhang J, **Heilbrun ME**, Kahn CE Jr. Analysis of RadLex coverage and term co-occurrence in radiology reporting templates. *J Digit Imaging*, 2012: 25(1), 56-62.
14. Sarma A*, **Heilbrun ME**. A medical student perspective on self-referral and overutilization in radiology: application of the four core principles of medical ethics. *J Am Coll Radiol*, 2012: 9(4), 251-5.
15. Enslow MS, Zollinger LV, Morton KA, Butterfield RI, Kadrmas DJ, Christian PE, Boucher KM, **Heilbrun ME**, Jensen RL, Hoffman JM. Comparison of 18F-fluorodeoxyglucose and 18F-fluorothymidine PET in differentiating radiation necrosis from recurrent glioma. *Clin Nucl Med*, 2012: 37(9), 854-61.
16. Shah LM, McLean LA, **Heilbrun ME**, Salzman KL. Intracranial hypotension: improved MRI detection with diagnostic intracranial angles. *AJR Am J Roentgenol*, 2013: 200(2), 400-7.

17. Wang Y, Morrell G, **Heilbrun ME**, Payne A, Parker DL. 3D multi-parametric breast MRI segmentation using hierarchical support vector machine with coil sensitivity correction. *Acad Radiol*, 2013: 20(2), 137-47. (*Note, last name was misspelled by 1st author.)
18. Davis IC, **Heilbrun ME**, Tangtiang K, Childs DD, Zagoria RJ. Computed tomography-guided renal tumor biopsies: tumor imaging features affecting sample adequacy. *J Comput Assist Tomogr*, 2013: 37(2), 171-5.
19. Kahn CE Jr, **Heilbrun ME**, Applegate KE. From guidelines to practice: how reporting templates promote the use of radiology practice guidelines. *J Am Coll Radiol*, 2013: 10(4), 268-73.
20. **Heilbrun ME**, Bender CE, Truong HB, Bluth EI. Health issues and the practicing radiologist: defining concepts and developing recommendations for leave options and policies. *J Am Coll Radiol*, 2013: 10(9), 695-701.
21. **Heilbrun ME**, Rawson JV, Shah M. Using health services research to meet ACGME resident research requirements. *Acad Radiol*, 2013: 20(9), 1077-82.
22. Winkler N, Rezvani M, **Heilbrun M**, Shaaban A. Utility of dual phase liver CT for metastatic melanoma staging and surveillance. *Eur J Radiol*, 2013: 82(12), 2189-93.
23. Murphy RA, Register TC, Shively CA, Carr JJ, Ge Y, **Heilbrun ME**, Cummings SR, Koster A, Nevitt MC, Satterfield S, Tyvasky FA, Strotmeyer ES, Newman AB, Simonsick EM, Scherzinger A, Goodpaster BH, Launer LJ, Eiriksdottir G, Sigurdsson S, Sigurdsson G, Gudnason V, Lang TF, Kritchevsky SB, Harris TB (2014). Adipose tissue density, a novel biomarker predicting mortality risk in older adults. *J Gerontol A Biol Sci Med Sci*, 2014: 69(1), 109-17.
24. Cramer JA*, Eisenmenger LB, Pierson NS, Dhatt HS, **Heilbrun ME**. Structured and templated reporting: An overview. *Appl Radiol*, 2014: 43(8), 18-21.
25. Norbash A, Bluth E, Lee CI, Francavilla M, Donner M 3rd, Dutton SC, **Heilbrun M**, McGinty G. Radiologist manpower considerations and Imaging 3.0: effort planning for value-based imaging. *J Am Coll Radiol*, 2014: 11(10), 953-8.
26. Lindley MD, Kim D, Morrell G, **Heilbrun ME**, Storey P, Hanrahan CJ, Lee VS. High-permittivity thin dielectric padding improves fresh blood imaging of femoral arteries at 3 T. *Invest Radiol*, 2015: 50(2), 101-7.
27. Wunderlich A, Noo F, Gallas BD, **Heilbrun ME**. Exact confidence intervals for channelized Hotelling observer performance in image quality studies. *IEEE Trans Med Imaging*, 2015: 34(2), 453-64.
28. Christensen KM*, **Heilbrun ME**, Patel N, Woodward PJ, Kennedy A. Estimated fetal weight and birth weight associated with isolated single umbilical artery: The University of Utah experience. *Ultrasound Q*, 2015: 31(1), 19-22.
29. Bender CE, **Heilbrun ME**, Truong HB, Bluth EI. The Impaired Radiologist. *J Am Coll Radiol*, 2015: 12(3), 302-6.
30. Chan J*, Johnson C, Beran-Maryott G, Cortez J, Greene TH, Nirula R, **Heilbrun M**. Measuring the Impact of Whole-Body Computed Tomography on Hospital Length of Stay in Blunt Trauma. *Acad Radiol*, 2016: 23(5), 582-7.
31. Morrell GR, Ikizler TA, Chen X, **Heilbrun ME**, Wei G, Boucher R, Beddhu S. Psoas Muscle Cross-sectional Area as a Measure of Whole-body Lean Muscle Mass in Maintenance Hemodialysis Patients. *J Ren Nutr*, 2016: 26(4), 258-64.
32. Martin L, Seton G, Aldred B, Hopkins P, Chan J, **Heilbrun ME**, Mone M, Scaife C, Peche W. When body mass index fails to measure up: perinephric and periumbilical fat as predictors of operative risk. *Am J Surg*, 2016: 212(6), 1039-1046.
33. Anzai Y, **Heilbrun ME**, Haas D, Boi L, Moshre K, Minoshima S, Kaplan R, Lee VS. Dissecting Costs of CT Study: Application of TDABC (Time-driven Activity-based Costing) in a Tertiary Academic Center. *Acad Radiol*, 2017: 24(2), 200-208.
34. Parker SJ*, Pond GR, Agarwal N, Alex A, **Heilbrun ME**, Sonpavde G. Integration of Bone and Computed Tomography Scans to Assess Bone Metastasis in Metastatic Castration-Resistant Prostate Cancer. *Clin Genitourin Cancer*, 2017: 15(1), 53-59.

35. Morrissey B*, **Heilbrun ME**. Teaching Critical Thinking in Graduate Medical Education: Lessons Learned in Diagnostic Radiology. *J Med Ed Curr Dev*, 2017: (4), 1-5.
36. Gupta S, Albertson D, Gaston D, **Heilbrun ME**, Agarwal N, Boucher K, Parnell TJ, Liu T, Morgans A, Madison R, Gowen K, Miller VA, Ross JS, Ali SM, Millis SZ. Comprehensive Genomic Sequencing of Urothelial Tumors Identifies Rare SMARCB1(INI-1)-Deficient Carcinomas of the Urinary System. *Clin Genitourin Cancer*. 2018 Apr;16(2):e373-e382. doi:10.1016/j.clgc.2017.09.001. Epub 2017 Sep 7. PMID: 28974397.
37. Drew T, Williams LH, Aldred B, **Heilbrun ME**, Minoshima S. Quantifying the costs of interruption during diagnostic radiology interpretation using mobile eye-tracking glasses. *J Med Imaging (Bellingham)*. 2018 Jul;5(3):031406. doi: 10.1117/1.JMI.5.3.031406. Epub 2018 Mar 2. PubMed PMID: 29531970; PMCID: PMC5833804.
38. Shankar PR, Parikh KR, **Heilbrun ME**, Sweeney BM, Flake AN, Herbstman EA, Hoffman TJ, Havey R, Kronick S, Davenport MS. Cost Implications of Oral Contrast Administration in the Emergency Department: A Time-Driven Activity-Based Costing Analysis. *J Am Coll Radiol*. 2018 Aug 26. PubMed PMID: 30158081.
39. Byrge N, **Heilbrun M**, Winkler N, et al. An AAST-MITC analysis of pancreatic trauma: Staple or sew? Resect or drain? *J Trauma Acute Care Surg*. 2018 Sep;85(3):435-443. PubMed PMID:29787527.
40. Keihani S, Putbresi BE, Rogers DM, Patel DP, Stoddard GJ, Hotaling JM, Nirula R, Luo-Owen X, Mukherjee K, Morris BJ, Majercik S, Piotrowski J, Dodgion CM, Schwartz I, Elliott SP, DeSoucy ES, Zakaluzny S, Sherwood BG, Erickson BA, Baradaran N, Breyer BN, Fick CN, Smith BP, Okafor BU, Askari R, Miller B, Santucci RA, Carrick MM, Kocik JF, Hewitt T, Burks FN, **Heilbrun ME**, Myers JB; in conjunction with the Trauma and Urologic Reconstruction Network of Surgeons. Optimal Timing of Delayed Excretory Phase CT Scan for Diagnosis of Urinary Extravasation After High-Grade Renal Trauma. *J Trauma Acute Care Surg*. 2019 Feb;86(2):274-281. doi: 10.1097/TA.0000000000002098. PubMed PMID: 30605143.
41. Rosenkrantz AB, **Heilbrun ME**, Nielsen ME, Duszak R Jr. Characteristics of Physicians and Other Providers Frequently Ordering Intravenous Pyelograms. *J Am Coll Radiol*. 2018 Dec 22. pii: S1546-1440(18)31416-9. doi:10.1016/j.jacr.2018.10.028. [Epub ahead of print] PubMed PMID: 30584041.
42. Keihani S, Putbresi BE, Rogers DM, Zhang C, Nirula R, Luo-Owen X, Mukherjee K, Morris BJ, Majercik S, Piotrowski J, Dodgion CM, Schwartz I, Elliott SP, DeSoucy ES, Zakaluzny S, Sherwood BG, Erickson BA, Baradaran N, Breyer BN, Fick CN, Smith BP, Okafor BU, Askari R, Miller B, Santucci RA, Carrick MM, Kocik JF, Hewitt T, Burks FN, **Heilbrun ME**, Myers JB; in conjunction with the Trauma and Urologic Reconstruction Network of Surgeons. The Associations Between Initial Radiographic Findings and Interventions for Renal Hemorrhage After High-Grade Renal Trauma: Results from the Multi-institutional Genito-Urinary Trauma Study (MiGUTS). *J Trauma Acute Care Surg*. 2019 Mar 8. doi: 10.1097/TA.0000000000002254. [Epub ahead of print] PubMed PMID: 30865158.
43. Joshi H, **Heilbrun ME**, Saindane A, Simoneaux SF, Rachh P, Trofimova A, Kadom N. Radiology Reading Room Huddles: Our Initial Experience. *AJR Am J Roentgenol*. 2019 Feb 19:1-7. doi: 10.2214/AJR.18.20423. [Epub ahead of print] PubMed PMID: 30779665.
44. Keihani S, Rogers DM, Putbresi BE, Moses RA, Zhang C, Presson AP, Hotaling JM, Nirula R, Luo-Owen X, Mukherjee K, Morris BJ, Majercik S, Piotrowski J, Dodgion CM, Schwartz I, Elliott SP, DeSoucy ES, Zakaluzny S, Sherwood BG, Erickson BA, Baradaran N, Breyer BN, Smith BP, Okafor BU, Askari R, Miller B, Santucci RA, Carrick MM, Kocik JF, Hewitt T, Burks FN, **Heilbrun ME**, Myers JB; in conjunction with the Trauma and Urologic Reconstruction Network of Surgeons. A nomogram predicting the need for bleeding interventions after high-grade renal trauma: Results from the American Association for the Surgery of Trauma Multi-institutional Genito-Urinary Trauma Study (MiGUTS). *J Trauma Acute Care Surg*. 2019 May;86(5):774-782. doi: 10.1097/TA.0000000000002222. PubMed PMID: 30741884.

45. **Heilbrun ME**, Chapman BE, Narasimhan E, Patel N, Mowery D. Feasibility of Natural Language Processing-Assisted Auditing of Critical Findings in Chest Radiology. *J Am Coll Radiol*. 2019 Jun 21. pii: S1546-1440(19)30638-6. doi:10.1016/j.jacr.2019.05.038. [Epub ahead of print] PubMed PMID: 31229439.
46. Cooper K, **Heilbrun ME**, Gilyard S, Vey BL, Kadom N. Shared Decision Making: Radiology's Role and Opportunities. *AJR Am J Roentgenol*. 2019 Oct 1:1-5. doi: 10.2214/AJR.19.21590. [Epub ahead of print] PubMed PMID: 31573850.
47. Makeeva V, Gichoya J, Hawkins CM, Towbin AJ, **Heilbrun M**, Prater A. The Application of Machine Learning to Quality Improvement Through the Lens of the Radiology Value Network. *J Am Coll Radiol*. 2019 Sep;16(9 Pt B):1254-1258. doi:10.1016/j.jacr.2019.05.039. PubMed PMID: 31492403.
48. **Heilbrun ME**, Poss B, Boi L, Anzai Y, Hu N, Kaplan RS. Assessing the Training Costs and Work of Diagnostic Radiology Residents Using Key Performance Indicators - An Observational Study. *Acad Radiol*. 2019 Aug 31. pii: S1076-6332(19)30382-4. doi: 10.1016/j.acra.2019.08.004. [Epub ahead of print] PubMed PMID: 31481346.
49. Cooper K, **Heilbrun ME**, Gilyard S, Vey BL, Kadom N. Shared Decision Making: Radiology's Role and Opportunities. *AJR Am J Roentgenol*. 2019 Oct 1:1-5. doi:10.2214/AJR.19.21590. [Epub ahead of print] PubMed PMID: 31573850.
50. Kihani S, Rogers DM, Putbrese BE, Anderson RE, Stoddard GJ, Nirula R, Luo-Owen X, Mukherjee K, Morris BJ, Majercik S, Piotrowski J, Dodgion CM, Schwartz I, Elliott SP, DeSoucy ES, Zakaluzny S, Sherwood BG, Erickson BA, Baradaran N, Breyer BN, Fick CN, Smith BP, Okafor BU, Askari R, Miller BD, Santucci RA, Carrick MM, Allen L, Norwood S, Hewitt T, Burks FN, **Heilbrun ME**, Gross JA, Myers JB; (Primary Investigator), in conjunction with the Trauma and Urologic Reconstruction Network of Surgeons. The American Association for the Surgery of Trauma (AAST) Renal Injury Grading Scale: Implications of the 2018 Revisions for Injury Reclassification and Predicting Bleeding Interventions. *J Trauma Acute Care Surg*. 2019 Dec 23. doi: 10.1097/TA.0000000000002572. [Epub ahead of print] PubMed PMID: 31876692.
51. Chung CY*, Makeeva V, Yan J, Prater AB, Duszak R Jr, Safdar NM, **Heilbrun ME**. Improving Billing Accuracy Through Enterprise-Wide Standardized Structured Reporting With Cross-Divisional Shared Templates. *J Am Coll Radiol*. 2020 Jan;17(1Pt B):157-164. doi: 10.1016/j.jacr.2019.08.034. PubMed PMID: 31918874.
52. Kadom N, Tamasi S, Vey B, Safdar N, Applegate KE, Sadigh G, Bettermann EL, Balthazar P, Krupinski EA, Duszak R Jr, **Heilbrun ME**. Info-RADS: Adding a Message for Patients in Radiology Reports. *J Am Coll Radiol*. 2020 Oct 14:S1546-1440(20)31009-7. doi: 10.1016/j.jacr.2020.09.049. Epub ahead of print. PMID: 33068534.
53. Balthazar P, Harri P, Prater A, **Heilbrun ME**, Mullins ME, Safdar N. Development and Implementation of an Integrated Imaging Informatics Track for Radiology Residents: Our 3-Year Experience. *Acad Radiol*. 2020 Dec 7:S1076-6332(20)30651-6. doi: 10.1016/j.acra.2020.11.015. Epub ahead of print. PMID: 33303347.
54. **Heilbrun ME**, Saindane AM, Rachh P, Reich S, Meltzer CC. Failing Up-Using a Crisis to Implement a Visual Daily Management System for a Large Multihospital Academic Radiology Department. *J Am Coll Radiol*. 2021 Mar;18(3 Pt B):507-510. doi: 10.1016/j.jacr.2020.09.062. PMID: 33663764.

* 1st Author is a Trainee - ME Heilbrun is Primary Mentor

b. Clinical Guidelines

1. Casalino DD, Remer EM, Bishoff JT, Coursey CA, Dighe M, Harvin HJ, **Heilbrun ME**, Majd M, Nikolaidis P, Preminger GM, Raman SS, Sheth S, Vikram R, Weinfeld RM (2014). American

- College of Radiology appropriateness criteria post-treatment follow-up of renal cell carcinoma. *J Am Coll Radiol*, 11(5), 443-9.
2. Remer EM, Papanicolaou N, Casalino DD, Bishoff JT, Blaufox MD, Coursey CA, Dighe M, Eberhardt SC, Goldfarb S, Harvin HJ, **Heilbrun ME**, Leyendecker JR, Nikolaidis P, Oto A, Preminger GM, Raman SS, Sheth S, Vikram R, Weinfeld RM (2014). American College of Radiology Appropriateness Criteria((R)) on renal failure. *Am J Med*, 127(11), 1041-8.e1.
 3. **Heilbrun ME**, Remer EM, Casalino DD, Beland MD, Bishoff JT, Blaufox MD, Coursey CA, Goldfarb S, Harvin HJ, Nikolaidis P, Preminger GM, Raman SS, Sahni A, Vikram R, Weinfeld RM (2015). American College of Radiology Appropriateness Criteria indeterminate renal mass. *J Am Coll Radiol*, 12(4), 333-41.
 4. Vikram R, Beland MD, Blaufox MD, Moreno CC, Gore JL, Harvin HJ, **Heilbrun ME**, Liauw SL, Nguyen PL, Nikolaidis P, Preminger GM, Purysko AS, Raman SS, Taffel MT, Wang ZJ, Weinfeld RM, Remer EM, Lockhart ME (2016). American College of Radiology Appropriateness Criteria Renal Cell Carcinoma Staging. *J Am Coll Radiol*, 13(5), 518-25.
 5. Taffel MT, Nikolaidis P, Beland MD, Blaufox MD, Dogra VS, Goldfarb S, Gore JL, Harvin HJ, **Heilbrun ME**, Heller MT, Khatri G, Preminger GM, Purysko AS, Smith AD, Wang ZJ, Weinfeld RM, Wong-You-Cheong JJ, Remer EM, Lockhart ME (2017). American College of Radiology Appropriateness Criteria(R) Renal Transplant Dysfunction. *J Am Coll Radiol*, 14(5S), S272-S281.
 6. Expert Panel on Urologic Imaging: Nikolaidis P, Dogra VS, Goldfarb S, Gore JL, Harvin HJ, **Heilbrun ME**, Heller MT, Khatri G, Purysko AS, Savage SJ, Smith AD, Taffel MT, Wang ZJ, Wolfman DJ, Wong-You-Cheong JJ, Yoo DC, Lockhart ME. ACR Appropriateness Criteria(®) Acute Pyelonephritis. *J Am Coll Radiol*. 2018 Nov;15(11S):S232-S239. PubMed PMID: 30392592.
 7. Moore CL, Carpenter CR, **Heilbrun ME**, Klauer K, Krambeck AC, Moreno C, Remer EM, Scales C, Shaw MM, Sternberg KM. Imaging in Suspected Renal Colic: Systematic Review of the Literature and Multispecialty Consensus. Joint Publication:
 - a. *J Urol*. 2019 Sep;202(3):475-483. doi: 10.1097/JU.0000000000000342. Epub 2019 Aug 8. PubMed PMID: 31412438.
 - b. *J Am Coll Radiol*. 2019 Jul 29. pii: S1546-1440(19)30424-7. doi: 10.1016/j.jacr.2019.04.004. [Epub ahead of print] PubMed PMID: 31402228.
 - c. *Ann Emerg Med*. 2019 Sep;74(3):391-399. doi: 10.1016/j.annemergmed.2019.04.021. Epub 2019 Aug 8. PubMed PMID: 31402153.
 8. Expert Panel on Urological Imaging, Purysko AS, Nikolaidis P, Dogra VS, Ganeshan D, Gore JL, Gupta RT, **Heilbrun ME**, Khatri G, Kishan AU, Lyshchik A, Savage SJ, Smith AD, Wang ZJ, Wolfman DJ, Wong-You-Cheong JJ, Yoo DC, Lockhart ME. ACR Appropriateness Criteria® Post-Treatment Follow-up and Active Surveillance of Clinically Localized Renal Cell Cancer. *J Am Coll Radiol*. 2019 Nov;16(11S):S399-S416. doi: 10.1016/j.jacr.2019.05.022. PubMed PMID: 31685108.
 9. Expert Panel on Urological Imaging, Wolfman DJ, Marko J, Nikolaidis P, Khatri G, Dogra VS, Ganeshan D, Goldfarb S, Gore JL, Gupta RT, **Heilbrun ME**, Lyshchik A, Purysko AS, Savage SJ, Smith AD, Wang ZJ, Wong-You-Cheong JJ, Yoo DC, Lockhart ME. ACR Appropriateness Criteria® Hematuria. *J Am Coll Radiol*. 2020 May;17(5S):S138-S147. doi: 10.1016/j.jacr.2020.01.028. PMID: 32370958.
 10. Expert Panel on Urologic Imaging, Wang ZJ, Nikolaidis P, Khatri G, Dogra VS, Ganeshan D, Goldfarb S, Gore JL, Gupta RT, Hartman RP, **Heilbrun ME**, Lyshchik A, Purysko AS, Savage SJ, Smith AD, Wolfman DJ, Wong-You-Cheong JJ, Lockhart ME. ACR Appropriateness Criteria® Indeterminate Renal Mass. *J Am Coll Radiol*. 2020 Nov;17(11S):S415-S428. doi: 10.1016/j.jacr.2020.09.010. PMID: 33153554.
 11. Expert Panel on Urologic Imaging, Wong-You-Cheong JJ, Nikolaidis P, Khatri G, Dogra VS, Ganeshan D, Goldfarb S, Gore JL, Gupta RT, **Heilbrun ME**, Lyshchik A, Metter DF, Purysko AS,

Savage SJ, Smith AD, Wang ZJ, Wolfman DJ, Lockhart ME. ACR Appropriateness Criteria® Renal Failure. *J Am Coll Radiol*. 2021 May;18(5S):S174-S188. doi: 10.1016/j.jacr.2021.02.019. PMID: 33958111.

c. Review Articles

1. **Heilbrun ME**, Olpin J, Shaaban A. Imaging of benign adnexal masses: characteristic presentations on ultrasound, computed tomography, and magnetic resonance imaging. *Clin Obstet Gynecol*, 2009: 52(1), 21-39.
2. Olpin JD, **Heilbrun M**. Imaging of Mullerian duct anomalies. *Clin Obstet Gynecol*, 2009: 52(1), 40-56.
3. **Heilbrun ME**, Olpin J, Shaaban A. Imaging of benign adnexal masses: characteristic presentations on ultrasound, computed tomography, and magnetic resonance imaging. *Top Magn Reson Imaging*, 2010: 21(4), 213-23.
4. Olpin JD, **Heilbrun M**. Imaging of Mullerian duct anomalies. *Top Magn Reson Imaging*, 2010: 21(4), 225-35.
5. Sarma A*, **Heilbrun ME**, Conner KE, Stevens SM, Woller SC, Elliott CG. Radiation and chest CT scan examinations: what do we know? *Chest*, 2012: 142(3), 750-60.
6. Lim A, O'Neil B, **Heilbrun ME**, Dechet C, Lowrance WT. The contemporary role of renal mass biopsy in the management of small renal tumors. *Front Oncol*, 2012: 2, 106.
7. Cronin P, Rawson JV, **Heilbrun ME**, Lee JM, Kelly AM, Sanelli PC, Bresnahan BW, Paladin AM. How to report a research study. *Acad Radiol*, 2014: 21(9), 1088-116.
8. Cronin P, Rawson JV, **Heilbrun ME**, Lee JM, Kelly AM, Sanelli PC, Bresnahan BW, Paladin AM. How to critically appraise the clinical literature. *Acad Radiol*, 2014: 21(9), 1117-28.
9. Kansagra AP, Yu JP, Chatterjee AR, Lenchik L, Chow DS, Prater AB, Yeh J, Doshi AM, Hawkins CM, **Heilbrun ME**, Smith SE, Oselkin M, Gupta P, Ali S. Big Data and the Future of Radiology Informatics. *Acad Radiol*, 2016: 23(1), 30-42.
10. Morrissey B*, **Heilbrun ME**. Teaching Critical Thinking in Graduate Medical Education: Lessons Learned in Diagnostic Radiology. *J Med Educ Curric Dev*. 2017 Mar 20;4:2382120517696498. doi:10.1177/2382120517696498. eCollection 2017 Jan-Dec. PMID: 29349332; PMCID: PMC5736296.
11. Olpin JD, Moeni A, Willmore RJ, **Heilbrun ME**. MR Imaging of Müllerian Fusion Anomalies, Available online 27 May 2017 <https://doi.org/10.1016/j.mric.2017.03.008>. *Magn Reson Imaging Clin N Am*.
12. Kohli MD, Daye D, Towbin AJ, Kotsenas AL, **Heilbrun ME**. Social Media Tools for Department and Practice Communication and Branding in the Digital Age. *Radiographics*. 2018 Oct;38(6):1773-1785. PubMed PMID:30303796.
13. Eberhardt SC, **Heilbrun ME**. Radiology Report Value Equation. *Radiographics*. 2018 Oct;38(6):1888-1896. PubMed PMID: 30303791.
14. Kohli M, Alkasab T, Wang K, **Heilbrun ME**, Flanders AE, Dreyer K, Kahn CE Jr. Bending the Artificial Intelligence Curve for Radiology: Informatics Tools From ACR and RSNA. *J Am Coll Radiol*. 2019 Jul 15. pii: S1546-1440(19)30716-1. doi:10.1016/j.jacr.2019.06.009. [Epub ahead of print] PubMed PMID: 31319078.
15. Balthazar P*, Joshi H, **Heilbrun ME**. Reporting on Renal Masses, Recommendations for Terminology, and Sample Templates. *Radiol Clin North Am*. 2020;58(5):925-933. doi:10.1016/j.rcl.2020.06.003
16. Bhatia N*, Trivedi H, Safdar N, **Heilbrun ME**. Artificial Intelligence in Quality Improvement: Reviewing Uses of Artificial Intelligence in Noninterpretative Processes from Clinical Decision Support to Education and Feedback. *J Am Coll Radiol*. 2020 Nov;17(11):1382-1387. doi: 10.1016/j.jacr.2020.08.002. PMID: 33153542.

17. Cheng LT-E, **Heilbrun ME**, Sahani D, Tan BS, Klein JS. COVID-19: preparing for second surge and getting back on track for radiology. *BJR Open*. 2020 Dec 21;2(1):20200045. doi: 10.1259/bjro.20200045. PMID: 33409448; PMCID: PMC7768396.
18. C Moreno C, W Allen J, Dighe M, Frazier M, **Heilbrun M**, Larrison M, Singh S, Tridandapani S. Multiinstitutional U.S. Academic Radiology Perspectives on Inpatient Diagnostic Imaging of Patients with Coronavirus Disease (COVID-19) and Persons Under Investigation. *AJR Am J Roentgenol*. 2021 Jan;216(1):264-270. doi: 10.2214/AJR.20.23415. Epub 2020 Aug 26. PMID: 32845160.
19. Rachh P, Pendley AM, Duong PT, Hanna TN, **Heilbrun ME**. Decreasing CT Acquisition Time in the Emergency Department through Lean Management Principles. *Radiographics*. 2021 May-Jun;41(3):E81-E89. doi: 10.1148/rg.2021200107. PMID: 33939543.

* 1st Author is a Trainee - ME Heilbrun is Primary Mentor

d. Commentary/Letters/Editorials/Case Reports/Video/Film:

1. Willis H, **Heilbrun M**, Dechet C. Co-existing sarcoidosis confounds the staging of bilateral renal cell carcinoma. *J Radiol Case Rep*, 2011. 5(1), 18-27.
2. Sarma A, Shaaban AM, **Heilbrun ME**, Rezvani M. Two cases of near-complete regression of focal nodular hyperplasia of the liver: Case reports and review of the literature. *Radiol Case Rep*, 2012: 7(3), 681.
3. **Heilbrun ME**. Evaluating RadLex and real world radiology reporting: are we there yet? *Acad Radiol*, 2013: 20(11), 1327-8.
4. Adler DG, Nallamotheu G, Cox K, **Heilbrun M**, Sharma A, Baron TH. Evaluation of TNM status changes between the first two CT scans in patients with pancreatic cancer [Letter to the editor]. *Am J Gastroenterol*, 2014: 109(11), 1834-5.
5. O'Neil B, Lowrance WT, **Heilbrun ME**. PET Scans With 18F-Fluorodeoxyglucose to Diagnose Adrenal Tumors. *JAMA*. 2017 Oct 24;318(16):1614. doi:10.1001/jama.2017.13748. PubMed PMID: 29067416.
6. Venkatesh AK, Scales CD Jr, **Heilbrun ME**. From Ruling Out to Ruling In: Putting POCUS in Focus. *Acad Emerg Med*. 2018 Jun;25(6):699-701. doi: 10.1111/acem.13389. Epub 2018 May 16. PubMed PMID: 29427478.
7. Juluru K, **Heilbrun ME**, Kohli MD. Describing Disease-specific Reporting Guidelines: A Brief Guide for Radiologists. *Radiographics*. 2019 Sep-Oct;39(5):1233-1235. doi: 10.1148/rg.2019190182. PubMed PMID: 31498741.
8. **Heilbrun ME**. Invited commentary: On influence and significance in quality improvement/process improvement studies. *Abdom Radiol (NY)*. 2020 Oct 6. doi: 10.1007/s00261-020-02778-y. Epub ahead of print. PMID: 33025151.
9. **Heilbrun ME**, Poss B, Boi L, Anzai Y, Hu N, Kaplan RS. Authors Response to: "The Profitability of Graduate Medical Education in Radiology". *Acad Radiol*. 2020 Dec 15:S1076-6332(20)30637-1. doi: 10.1016/j.acra.2020.11.003. Epub ahead of print. PMID: 33339729.

e. Book Chapters:

1. **Heilbrun ME**. Adrenal Carcinoma. *Specialty Imaging: Genitourinary Oncology* (1) 2010. Shaaban AS, Heilbrun ME, Blodgett T (Eds.). Amirsys Inc.
2. **Heilbrun ME**. Prostate Carcinoma. *Specialty Imaging: Genitourinary Oncology* (1) 2010. Shaaban AS, Heilbrun ME, Blodgett T (Eds.). Amirsys Inc.
3. **Heilbrun ME**. Urethral Carcinoma. *Specialty Imaging: Genitourinary Oncology* (1) 2010. Shaaban AS, Heilbrun ME, Blodgett T (Eds.). Amirsys Inc.

4. Du K, **Heilbrun ME**, Bishoff JT. Adrenal imaging. *Interventional Urology* 2015. Rastinehad AR, Siegel DN (Eds.). Springer.
5. **Heilbrun ME**, Cramer J, Chapman BE. Structured Reporting: The Value Concept for Radiologists. *Medical Radiology: Diagnostic Imaging, Quality and Safety in Imaging*. 2017. Donoso-Bach L, Boles G (Eds.). Springer International Publishing. doi.org/10.1007/978-3-319-42578-8
6. Eisenmenger LB*, Aldred B, **Heilbrun ME**. Chapter 17: Blunt Injuries to the Thorax and Abdomen in Adults; pgs 247-260. *Evidence-Based Emergency Imaging: Optimizing Diagnostic Imaging of Patients in the Emergency Care Setting* 2018. Kelly A, Cronin P, Puig S, Applegate K (Eds.). Springer International Publishing. DOI [10.1007/978-3-319-67066-9](https://doi.org/10.1007/978-3-319-67066-9). ISBN 978-3-319-67064-5
7. Aldred B*, Eisenmenger LB, **Heilbrun ME**. Chapter 19: Appendicitis in Adults and Children; pgs 281-292. *Evidence-Based Emergency Imaging: Optimizing Diagnostic Imaging of Patients in the Emergency Care Setting* 2018. Kelly A, Cronin P, Puig S, Applegate K (Eds.). Springer International Publishing. DOI [10.1007/978-3-319-67066-9](https://doi.org/10.1007/978-3-319-67066-9). ISBN 978-3-319-67064-5
8. Chung CY*, Bello HR, **Heilbrun ME**. Pros and Cons of Structured Reporting. *Radiology Structured Reporting Handbook: Disease-Specific Templates and Interpretation Pearls*. Brook OR, Sommer W, (Eds.). Thieme, NY, NY; 2021.
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f. Books Edited and Written:

1. *Specialty Imaging: Genitourinary Oncology* Shaaban/**Heilbrun**/Blodgett, Amirsys Inc. 2010
2. *Diagnostic Imaging: Oncology (1)* Shaaban/Blodgett/ Clark/**Heilbrun**/Rezvani Amirsys Inc. 2010