

**James Matthew Cooke, MD, FAAFP**  
**Clinical Associate Professor, Departments of Family Medicine and Learning Health Sciences**  
**Executive Director, Clinical Simulation Center**  
Clinical Simulation Center  
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## **Education and Training**

### **Education**

08/1989-05/1993 BS, Biochemistry, Virginia Polytechnic Institute and State University, Blacksburg, Virginia  
06/1993-06/1997 MD, University of Virginia, Charlottesville, Virginia

### **PostDoctoral Training**

07/1997-06/1998 Internship, Department of Family Medicine, University of Michigan, Ann Arbor, Michigan  
07/1998-06/2000 Residency, Department of Family Medicine, University of Michigan, Ann Arbor, Michigan  
07/1999-06/2000 Chief Resident, Department of Family Medicine, University of Michigan, Ann Arbor, Michigan

## **Certification And Licensure**

### **Certification**

12/1997-12/2020 ACLS Provider - Advanced Cardiac Life Support  
01/2000-present ABMS Family Medicine (Amer Brd of Family Medicine)

### **Licensure**

01/2000-01/2021 State of Michigan, Medical License  
07/2000-01/2021 State of Michigan, Controlled Substance  
08/2020 United States, DEA Registration

## **Academic, Administrative, Clinical, Research and Military Appointments**

### **Academic Appointments**

07/2000-08/2004 Clinical Instructor, Department of Family Medicine, University of Michigan Medical School, Ann Arbor, Michigan  
09/2004-09/2017 Clinical Assistant Professor, Department of Family Medicine, University of Michigan Medical School, Ann Arbor, Michigan  
01/2012-09/2017 Clinical Assistant Professor, Department of Learning Health Sciences, University of Michigan Medical School, Ann Arbor, Michigan  
09/2017-06/2018 Clinical Associate Professor in Family Medicine, University of Michigan - Ann Arbor, Ann Arbor, Michigan  
09/2017-present Clinical Associate Professor, Department of Learning Health Sciences, University of Michigan Medical School, Ann Arbor, Michigan  
09/2017-present Clinical Associate Professor, Department of Family Medicine, University of Michigan Medical School, Ann Arbor, Michigan.  
07/2018-08/2020 Clinical Associate Professor in , University of Michigan - Ann Arbor, Ann Arbor, Michigan

### **Administrative Appointments**

06/2002-09/2007 Assistant Residency Director, Family Medicine Residency Program, University of Michigan, Ann Arbor, Michigan  
07/2006-10/2011 Medical Co-director, Clinical Simulation Center, University of Michigan, Ann Arbor, Michigan

09/2007-08/2013 Program Director, Family Medicine Residency Program, University of Michigan, Ann Arbor, Michigan  
10/2011-present Executive Director, Clinical Simulation Center, University of Michigan, Ann Arbor, Michigan

### **Clinical Appointments**

07/2000-present Staff Physician, University of Michigan Health System, Ann Arbor, Michigan  
07/2000-present Staff Physician, St. Joseph Mercy Hospital – Chelsea, Chelsea, Michigan

### **Clinical Interests**

- Outpatient Family Medicine
- Inpatient Family Medicine

### **Research Interests**

- Clinical simulation in medical education
- Primary care workforce issues and recruitment
- Diagnosis and management of acute otitis media in children

### **Grants**

#### **Current Grants**

*Making Learning Visible in Traditional and Virtual Simulation-Based Training on Cardiac Arrest, GME Innovations Grant* Graduate Medical Education, University of Michigan Medical School  
Co-I with Effort (Principal Investigator: Vitaliy Popov PhD)  
04/2020-06/2021. \$49,390

*19SFRN34760762: Michigan Resuscitation Innovation and Science Enterprise (M-RISE) to discover, translate, and implement innovative therapies and interventions to increase survival from out of hospital cardiac arrest and improve neurological outcomes.* American Heart Association  
Co-I with Effort (Principal Investigator: Robert Neumar, M.D., Ph.D)  
07/2019-06/2023. \$3,709,200

*Mcubed: Smart Simulators: Multi-Material High Resolution 3D Printing for Advanced Medical Training* Mcubed 3.0 Classic Cube grant  
Co-I (Principal Investigator: Kira Barton Ph.D)  
06/2019-12/2020. \$60,000 (\$60,000)

#### **Submitted Grants**

*RECHARGE: Clinical Simulation Center AHA Courses* Various Sponsors- 20-PAF07230  
Cooke, James M, PI  
04/2020-07/2020. \$9,081

#### **Past Grants**

*Expansion of an immersive virtual reality congenital heart disease library, launch of a pediatric cardiology curriculum and multi-center efficacy trial for pediatric residents, pediatric cardiology fellows and medical students* Gilbert Whitaker Fund for the Improvement of Teaching, University of Michigan Center for Research on Learning and Teaching  
Co-I (Principal Investigator: Sonal Owens, M.D.)  
04/2018-04/2020. \$6,000

*Mixed modality modules for universal high impact in medical residents' education, to develop on-line curricula blended with simulation experiences for independent learning, including cardiopulmonary examination, retinal examination and lumbar puncture, GME Innovations Grant* Graduate Medical Education, University of Michigan Medical School  
Co-I (Principal Investigator: Deborah Rooney, PhD)  
04/2014-07/2016. \$52,412

*HRSA-10-277: Proposal for Family Medicine Residency Expansion at the University of Michigan, Affordable Care Act Primary Care Residency Expansion (PRCE) Program* HRSA-DHHS-US- 11-PAF00041

Cooke, James M, PI

09/2010-09/2015. \$960,000 (\$80,000)

*Inter-school collaboration for the development of a longitudinal residency leadership curriculum* Gilbert Whitaker Fund for the Improvement of Teaching, University of Michigan Center for Research on Learning and Teaching

James M Cooke MD, PI

07/2009-06/2010. \$10,000

## **Honors and Awards**

### **National**

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|------|--|
| 2004 | The Society of Teachers of Family Medicine Foundation Faculty Enhancement Award, provided funding for brief sabbatical to Harvard, Washington University and Duke University for the development of a Clinical Simulation Curriculum for Family Medicine residents at the University of Michigan |
| 2014 | Fellow of the American Academy of Family Physicians  |
| 2020 | National Outstanding Eagle Scout Award (NOESA), award honors Eagle Scouts who have achieved prominence at the local, regional or state level in community service, professional achievement and avocational distinction, and who are "cornerstones of the community."                            |

### **Institutional**

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|------|---|
| 1999 | C. Everett Koop – Resident Physician Leadership Symposium, Sponsorship  |
| 2000 | Resident Research Award, "Evaluation and Management of Common Fractures in Primary Care," Curriculum Development Project, Department of Family Medicine, University of Michigan |
| 2003 | Award for Excellence in Teaching, University of Michigan Family Medicine Residency Program  |
| 2008 | Award for Excellence in Precepting, University of Michigan Family Medicine Residency Program  |
| 2010 | Token of Appreciation from Medical Students (TAMS) Award  |
| 2012 | League of Educational Excellence, UM School of Medicine – inaugural inductee  |
| 2013 | Faculty Appreciation Senior Resident Award – University of Michigan Family Medicine Residency Program   |

## **Memberships in Professional Societies**

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|--------------|---|
| 1993-present | Member, American Academy of Family Physicians   |
| 1997-present | Member, Michigan Academy of Family Physicians   |
| 2004-2016    | Member, The Society of Teachers of Family Medicine  |
| 2007-2013    | Member, Association of Family Medicine Residency Directors  |
| 2011-present | Member, American College of Surgeons Accredited Educational Institutes (accrediting body for simulation center) |
| 2014-present | Member, Society for Simulation in Healthcare  |

## **Editorial Positions, Boards, and Peer-Review Service**

## Study Sections

### National

2018 AHRQ grant review study section: RFA-HS-15-001 "Patient Safety Learning Laboratories: Pursuing Safety in Diagnosis and Treatment at the Intersection of Design, Systems Engineering, and Health Services Research (R18) (Ad Hoc)

### Journal Reviewer

2009-2012 Journal of Graduate Medical Education – peer reviewer (Ad Hoc)  
2011-present UM Clinical Simulation Center Research Committee - grant reviewer (Ad Hoc)  
2013-present Family Medicine – peer reviewer (Ad Hoc)  
2014-present Simulation in Healthcare – peer reviewer (Ad Hoc)  
2018 American College of Surgeons Surgical Simulation Summit - abstract reviewer (Ad Hoc)  
2019-present Surgery – peer reviewer (Ad Hoc)  
2020 International Meeting for Simulation In Healthcare - Program presentation and abstract reviewer (Ad Hoc)

## Teaching Activity

### Regional

03/2000 Cooke JM, Antibiotic Resistance: How Multidrug Resistant Bacteria Have Changed the Practice of Medicine, CME - Family Practice 2000, Spring Review Course, sponsored by the University of Michigan  
10/2000 Cooke JM, Errors in Fracture Cases, CME – Sports Medicine for the Primary Care Physician, sponsored by the University of Michigan  
03/2001 Cooke JM, Office Management of Upper Extremity Fractures, CME – Family Practice 2001, Spring Review Course, sponsored by the University of Michigan  
10/2002 Cooke JM, Acute Otitis Media: Updated Clinical Guidelines, CME – Update in Family Medicine, sponsored by the University of Michigan  
10/2002 Cooke JM, Noninvasive Cardiac Imaging, A Thoughtful Approach to Choosing the Appropriate Test, CME - Update in Family Medicine, sponsored by the University of Michigan  
09/2003 Cooke JM, Updates in Radiology Techniques and Technology, CME - Update in Family Medicine, sponsored by the University of Michigan  
01/2004 Cooke JM, Errors in Fracture Care: Case Reviews, CME – Midwinter Family Practice Update, Dept. of Family Medicine and Michigan Academy of Family Physicians  
01/2004 Cooke JM, Acute Otitis Media: Update on Diagnosis and Management, CME – Midwinter Family Practice Update, Dept. of Family Medicine and Michigan Academy of Family Physicians  
01/2004 Cooke JM, Office Management of Upper Extremity Fractures, CME – Midwinter Family Practice Update, Dept. of Family Medicine and Michigan Academy of Family Physicians  
10/2005 Cooke JM, Clinical Simulation and the Future of Family Medicine Education, CME - Update in Family Medicine, sponsored by the University of Michigan  
10/2005 Cooke JM, Update on Cardiac Stress Testing, CME - Update in Family Medicine, sponsored by the University of Michigan  
06/2006 Cooke JM, Otitis Media Update, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine  
06/2006 Cooke JM, Update on Antibiotic-Resistant Infections, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine  
06/2006 Cooke JM, Pediatric Infectious Disease Potpourri, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine  
06/2006 Cooke JM, Noninvasive Cardiac Imaging, A Thoughtful Approach to Choosing the Appropriate Test, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine

06/2006	Cooke JM, Clinical Simulation and the Future of Family Medicine, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine
10/2006	Cooke JM, Acute Otitis Media, CME - Update in Family Medicine, sponsored by the University of Michigan
10/2006	Cooke JM, Management of Complex and Refractory Acute Otitis Media, CME – Update in Family Medicine, sponsored by the University of Michigan
10/2007	Cooke JM, Pneumonia, an Update on Diagnosis and Treatment for Primary Care & Pneumonia, Case Studies, CME – Update in Family Medicine, sponsored by the University of Michigan
01/2012	Cooke JM, Acute Otitis Media, Update on Diagnosis and Management, CME - Midwinter Family Practice Update, Michigan Academy of Family Physicians
01/2012	Cooke JM, Primary Care Workforce Issues, Finding Future Partners, CME - Midwinter Family Practice Update, Michigan Academy of Family Physicians, University of Michigan
01/2012	Cooke JM, Complications of Acute Otitis Media, CME -Midwinter Family Practice Update, Michigan Academy of Family Physicians, University of Michigan

### **Institutional**

06/1999-present	Cooke JM, Master-Hunter T, Fracture Management Curriculum for Residents - Curriculum development and annual course
07/1999-07/2009	Cooke JM, (annual lecture), Noninvasive Cardiac Imaging, A Thoughtful Approach to Choosing the Appropriate Test, Intern Block Month, University of Michigan Family Medicine Residency Program
05/2000-06/2004	Attending Physician, University of Michigan Family Medicine Obstetrics Service
05/2000-06/2013	Attending Physician, Chelsea Family Medicine outpatient clinic and procedures clinic preceptor
05/2000-present	Attending Physician, Chelsea Community Hospital Inpatient Family Medicine Teaching Service
05/2000-present	Attending Physician, University of Michigan Medical School preceptor for 6-10 students per year
06/2002-06/2007	Curricular Component Director - University of Michigan, Family Medicine Residency Program, Surgery I & II Family Practice Procedures II & III, Medical Sub-specialties, Chelsea Outpatient Clinic
06/2002-06/2007	CME Course Co-Director, Annual Update in Family Medicine, University of Michigan
06/2002-present	Surgery II – curriculum development for one month general surgery rotation for family medicine residents
06/2003	Medical Subspecialties – one month outpatient subspecialty rotation for residents
06/2004-06/2011	Curricular Component Director - University of Michigan Family Medicine Residency Program ,Clinical Simulation Center Curriculum
06/2004-06/2011	Comprehensive Clinical Simulation Curriculum – 3 year procedural and critical care curriculum utilizing high fidelity medical simulators through the UM Clinical Simulation Center
07/2005-07/2010	Cooke JM, (annual lecture), Dictation for Residents, Intern Block Month, University of Michigan Family Medicine Residency Program
05/2007-06/2013	Attending Physician, Ypsilanti Family Medicine outpatient clinic preceptor
06/2007-06/2013	Family Medicine Residency Program Curriculum - curriculum evaluation and development
06/2009-06/2010	Undergraduate Research Opportunity Program Sponsor. One-year research sponsor for an undergraduate student for a project entitled: Building Individualized Training Opportunities into a Medical Residency Program
06/2009-present	Cooke JM, (annual lecture), Pediatric Humor, Intern Block Month, University of Michigan Family Medicine Residency Program
06/2009-present	Cooke JM, (annual lecture), Acute Otitis Media, Intern Block Month, University of Michigan Family Medicine Residency Program

06/2010-present	Cooke JM, (annual lectures), Teamwork, and Persuasion and Influence, Leadership Topics in Family Medicine, HO-2 Resident Block Month, University of Michigan Family Medicine Residency Program
06/2010-present	Leadership Curriculum – 3 year longitudinal leadership skills training for family medicine residents developed through a university grant and with colleagues from the Ross School of Business and School of Public Health
11/2013	Cooke JM, Lee K, Yake D, Simulation Debriefing, UMCSC CRASH Course - Instructor Training for Simulation in Healthcare, University of Michigan Clinical Simulation Center
11/2018	Cooke JM, Simulation Debriefing, UMCSC CRASH Course - Instructor Training for Simulation in Healthcare, University of Michigan Clinical Simulation Center.

## Clinical Track Scholarly Contribution

### Clinician-Educator

Educational administration has been the main focus of my efforts over the last 22 years, most notably as Program Director for the Family Medicine Residency Program and Executive Director of the UM Clinical Simulation Center. In the residency program, we were able to successfully expand the program through a combination of internal and federal HRSA grant funding from 28 to 33 FTEs and orchestrated very successful ACGME reaccreditations with full five-year cycles in 2007 and 2012. In the simulation center, we were able to negotiate a new budget model in 2012 with significantly increased commitments from the hospital, medical school and 13 clinical departments, helping to expand the scope of simulation in the center and expand on-unit simulation throughout the hospitals. The leadership team and I successfully launched a funded core faculty program, simulation instructor course and navigated successful ACS reaccreditation as a Comprehensive Accredited Educational Institute with a 3-year cycles (maximum cycle length allowed) in 2013, 2016 and 2019 with no citations and with five best practices identified in the most recent review. We significantly expanded CSC in 2018 with a 7000 square foot, state-of-the-art addition as well as a 700 sf 3D printing and prototyping lab, the first of it's kind at Michigan Medicine. Called the 3D Innovations Lab, this collaboration between the UM Medical and Engineering Schools develops new simulators and tools for medical and surgical training.

## Committee and Administrative Services

### Committee Services

#### National

2014-2016	Group on Simulation in Medical Education, Society of Teachers of Family Medicine, Member
2014-2018	Best Practice Committee, American College of Surgeons, Accredited Educational Institutes, Member
2016-present	Directors of Simulation Centers Special Interest Group, Society for Simulation in Healthcare, Member
2017-2018	Program Committee, Surgical Education Summit, American College of Surgeons, Accredited Educational Institutes, Member
2017-2018	Society for Simulation in Healthcare Strategic Partnership Subcommittee, Member

#### Regional

2007-2011	Michigan Academy of Family Physicians Residency Directors Committee (co-chair, 2010-11), Chair
2011-2013	Michigan Academy of Family Physicians Education Committee, Member
2018-present	Out of Hospital Cardiac Arrest Learning Community, Washtenaw & Livingston County interagency group for investigation and intervention to reduce response time and increase survival in the region ( <a href="https://ohca.med.umich.edu">https://ohca.med.umich.edu</a> ), Member

#### Institutional

2001-2015	Medical Care Review Committee, St. Joseph Mercy – Chelsea (formerly Chelsea Community Hospital), Chelsea, Michigan, Member
2001-present	Otitis Media Guideline Committee, University of Michigan Hospitals, Member
2002-2013	Educational Steering Committee, University of Michigan, Department of Family Medicine, Member

2002-2013	Residency Education Committee, University of Michigan, Department of Family Medicine, Chair (2007-13)
2002-2014	Residency Recruitment Committee, University of Michigan, Department of Family Medicine, Chair (2007-14)
2004-present	Clinical Simulation Center Steering Committee, University of Michigan Medical School, Chair 2011-present
2006-present	Clinical Simulation Center Executive Committee, University of Michigan Medical School, Chair 2011-present
2010-2011	Clinical Simulation Center Review Committee, conducted a 5-year review of the interdepartmental clinical simulation center for the UMMS Dean's office, Member
2011-2012	Integrated Revenue Cycle Compliance and Education Committee, University of Michigan Hospitals and Faculty Group Practice, ad hoc member
2014-present	Department of Learning Health Sciences (DLHS) Leadership Committee, Member
2015-2018	Credentials Committee, St. Joseph Mercy – Chelsea (formerly Chelsea Community Hospital), Chelsea, MI, Member
2018-2019	Department of Learning Health Sciences (DLHS) Faculty Search Committee, Member
2018-2019	LCME Resource Subcommittee, preparation for UMMS 2020 reaccreditation, Member
2018-2019	New Medical School Education Building Facilities Planning Committee, member and Co-lead of Simulated Learning Workgroup
2018-present	Advisory Committee on Promotions and Tenure (Department of Family Medicine), Member
2019-2022	Medical School Executive Committee, University of Michigan Medical School, Clinical Track Faculty Member
2019-present	RISE (Research, Innovation, Scholarship, Education) Advisory Council, University of Michigan Medical School, Member
2019-present	Simulation Collaborative - Dept. of Learning Health Sciences, Chair
2019	GME Resident as Educator Task Force, Member

## **Administrative Services**

### **Volunteer**

2019	Instructor, Boy Scouts of America, UM Medicine Merit Badge Day, Clinical Simulation Center and Towlsey Center, Michigan Medicine, First aid training for over 100 scouts with learning stations and simulated team training for respiratory distress and trauma scenarios from assuring scene safety through initial assessment and treatment. The team training allowed them to work together to problem-solve, practice and integrate their first aid skills. They also had a taste of how our Michigan Medicine healthcare teams train for emergencies.
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## **Visiting Professorships and Extramural Invited Presentations**

### **Extramural Invited Presentations**

1. Clinical Simulation for Skills Teaching and Competency Assessment, 2008 Workshop for Directors of Family Medicine Residencies, Association of Family Medicine Residency Directors, June 2008, Overland Park, KS
2. The Future of Family Medicine: How do we Recruit the Next Generation, Society of Teachers of Family Medicine Annual Spring Conference, Society of Teachers of Family Medicine, April 2011, New Orleans, LA,
3. Development of an Interdisciplinary Leadership Curriculum for Family Medicine Residents, Society of Teachers of Family Medicine Annual Spring Conference, Society of Teachers of Family Medicine, April 2011, New Orleans, LA,
4. Expert Panel: The Creation of a Simulator Value Index by Connected Consensus, International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare, January 2014, San Francisco, CA
5. Best Practices Committee Workshop, Several Ideas You Should Steal from Your Colleagues, 8th Annual Meeting of the Consortium of ACS-AEIs, American College of Surgeons Accredited Educational Institutes (ACS-AEI), March 2015, Chicago, IL

6. Expert Panel: Mapping Assessment to Milestones in Pediatrics: Perspectives from Clinical Educators, Administrator, Assessment Expert and ACGME, 16th International Meeting on Simulation in Healthcare, Society for Simulation in Healthcare, January 2016, San Diego, CA
7. Best Practices in Curriculum Development, 9th Annual Meeting of the Consortium of ACS-AEIs, American College of Surgeons Accredited Educational Institutes (ACS-AEI), March 2016, Chicago, IL
8. Presentation and panel discussion: A Focus on Healthcare Simulation and Modeling, MS&V Applications in Healthcare, Training and Clinical Care, conference proceedings published at <http://thenmsc.org/nmsc-calendar/national-meeting/2017-national-meeting/>, National Modeling and Simulation Coalition (NM&SC) Annual Meeting, September 2017, Dearborn, MI

## Bibliography

### Peer-Reviewed Journals and Publications

1. Taylor R P, Ferguson P J, Martin E N, Cooke J, Greene K L, Grinspun K, Guttman M, Kuhn S: Immune complexes bound to the primate erythrocyte complement receptor (CR1) via anti-CR1 mAbs are cleared simultaneously with loss of CR1 in a concerted reaction in a rhesus monkey model *Clin. Immunol. Immunopathol.* 82(1): 49-59, 1997. PM9000042
2. Linsk R, Blackwood RA, Cooke JM, Harrison RV, Hildebrandt HM, Lesperance MM.: Otitis Media (Update). Ann Arbor, MI: Office of Clinical Affairs, University of Michigan Health System [Available from the Agency for Healthcare Research and Quality at [www.guideline.gov](http://www.guideline.gov)] [practice guideline] 1: ., 2002.
3. Linsk R, Cooke J: Diagnosis and management of acute otitis media in Michigan *Clin Pediatr (Phila)* 43(2): 159-169, 2004. PM15024439
4. Linsk R, Blackwood RA, Cooke JM, Harrison RV, Passamani PP. Otitis Media (Update). Ann Arbor, MI: Office of Clinical Affairs, University of Michigan Health System: Otitis Media (Update), Ann Arbor, MI: Office of Clinical Affairs [Available from the Agency for Healthcare Research and Quality at [www.guideline.gov](http://www.guideline.gov)] [practice guideline] 1: ., 2007.
5. Cooke JM, Larsen J, Hamstra SJ, Andreatta PB: Simulation enhances resident confidence in critical care and procedural skills *Fam Med* 40(3): 165-167, 2008. PM18320392/PMC-
6. Miyazaki K, Cooke JM, Fetters MD.: Orientation as an important introduction to family medicine residency training: An analysis of orientation curriculum in University of Michigan Family Medicine residency program *Japanese Journal of Family Medicine* 15(1): 32-43, 2009.
7. Brown KK, Master-Hunter TA, Cooke JM, Wimsatt LA, Green LA: Applying Health Information Technology and Team-based Care to Residency Education *Fam Med* 43(10): 726-730, 2011. PM22076716
8. Harmes KM, Blackwood RA, Burrows HL, Cooke JM, Harrison RV, Passamani PP: Otitis media: Diagnosis and treatment *Am Fam Physician* 88(7): 435-440, 2013. PM24134083
9. Burrows HL, Blackwood RA, Cooke JM, Harrison RV, Harmes KM, Passamani PP.: Otitis Media (Update). Ann Arbor, MI: Faculty Group Practice, University of Michigan Health System practice guideline] [Available from the Agency for Healthcare Research and Quality and [www.guideline.gov](http://www.guideline.gov)] practice guideline: ], 2013.
10. Heidelbaugh J, Cooke J, Wimsatt L: Opportunities for medical student engagement with family medicine *Fam Med* 45(7): 484-491, 2013. PM23846967
11. Shultz CG, Cooke JM, Denay KL, Llanes M, Zazove P, Kelley SA: The Effect of Simulation-based Training on Medical Students' Perceptions, Knowledge, and Skill at Baseline and 6-month Follow-up. *Int J Innov Educ Res* 4(5): 151-165, 2016.
12. Bashan I, Cooke JM, Rooney DM: Using Simulation-Based Education to Improve Residents' Clinical Decision Making Skills in Developing Countries *Turkish Journal of Family Medicine and Primary Care* 10 (2): 96-104, 2016.
13. Wimsatt LA, Cooke JM, Biggs WS, Heidelbaugh JJ: Institution-Specific Factors Associated With Family Medicine Residency Match Rates *Teaching and Learning in Medicine* 28(3): 269-278, 2016. PM27143249
14. Bashan I, Rooney DM, Cooke JM.: The Use of Simulation in Continuing Professional Development: a comparison of family physicians' awareness in Mersin and in Ann-Arbor *Turkish Journal of Family Medicine and Primary Care* 11(1): 29-37, 2017.
15. Cooke JM, Rooney DM, Fernandez GL, Farley DR: Simulation center best practices: A review of ACS-accredited educational institutes' best practices, 2011 to present. *Surgery* 163(4): 916-920, 2018. PM29273177



16. Rooney DM, Hananel DM, Covington BJ, Dionise PL, Nykamp MT, Pederson M, Sahloul JM, Vasquez R, Seagull FJ, Pinsky HM, Sweier DG, Cooke JM: An approach to value-based simulator selection: the creation and evaluation of the simulator value index tool. *Surgery* 163(4): 927-932, 2018. PMID29358008
17. Cooke JM, Thomas-Perez A, Rooney DM, Sormalis C, Rege R, Sachdeva AK: Overarching Themes from ACS-AEI Accreditation Survey Best Practices 2011-2019 Surgery. (In Press)

### **Submitted**

1. Wilson HC, Lim TR, Axelrod DM, Werho DK, Handler SS, Mullan PB, Cooke JM, Owens ST: Multimedia Pediatric Cardiology Assessment Tool for Pediatric Residents: Development and Validation *Acad Pediatr*. (Submitted)
2. Theodore John Iwashyna, Andre Boehman, Jesse Capelcelatro, Amy M Cohn, James M Cooke, Deena Kelly Costa, Richard M Eakin, Hallie C Prescott, Margaret S Woolridge: Variation in Aerosol Production Across Oxygen Delivery Devices in Spontaneously Breathing Human Subjects *JAMA*. (Submitted)
3. Fernandez-Branson C, Williams W, Friedman CP....Cooke JM.... Olson APJ: Improving Diagnostic Performance Through Feedback – The Diagnosis Learning Cycle Pending. (Submitted)

### **Book Chapters**

1. Cooke JM, Shaughnessy AF: Acute Otitis Media. *Essential Evidence Plus*, Ebell MH, Ferenchick G, Smith M, Barry H, Slawson D, Shaughnessy A, Forsch R, Li S, Wilkes M, Usatine R, eds. John Wiley & Sons, Hoboken, NJ, 2009.
2. Cooke JM, Wimsatt L: Simulation in Family Medicine. *The Comprehensive Textbook of Healthcare Simulation*, edited by Levine AI, DeMaria S, Schwartz AD and Sim AJ Springer Science and Business Media, New York, NY, 2013. 22, 341-352
3. Harnes KM, Cooke JM, Shaughnessy AF.: Otitis Media (acute). *Essential Evidence Plus*, Ebell MH, Ferenchick G, Smith M, Barry H, Slawson D, Shaughnessy A, Forsch R, Li S, Wilkes M, Usatine R, eds. John Wiley & Sons, Hoboken, NJ, 2013.
4. Moreland CJ, Fausone M, Cooke JM, McCulloh C, Hillier M, Clifford GC, Meeks LM: Clinical Accommodations and Simulation. *Disability as Diversity: A Guidebook for Inclusion in Medicine, Nursing, and the Health Professions*, Meeks LM, Neal-Boylan, L, eds. Springer, 2020. 1st, 10, 213-260

### **Other Media**

#### **Letter to editor**

1. Cooke JM: More Reliability and Validity Data Needed for Resident Evaluation Tools, *Family Medicine*. 43 (1): 52, Jan 2011 PMID: 21213144, *Family Medicine*, 2011.

#### **Original contribution**

1. Cooke JM, Rooney DM: Evolution of Simulation-Based Education at Michigan Medicine From Simulation Center to Skills-Commons, white paper, Description of the 15 year history of simulation in medical education at the University of Michigan and vision for the future of simulation in healthcare education. Available at University of Michigan Deep Blue <http://hdl.handle.net/2027.42/153290>, University of Michigan, 2019.

#### **Other**

1. Wimsatt L, Cooke JM, Skye E.: Extending Use of Assessment Data to Support Long-term Curricular Improvement. *Family Medicine Digital Resource Library*; Peer-reviewed. Available at <https://resourcelibrary.stfm.org/viewdocument/extending-use-of-assessment-data-to>, Presentation and links to on-line educational modules for open access use. Initially designed for the University of Michigan Family Medicine Residency Program which grew from 19 to 31 modules over 3 years. Module pretests /posttests assessed knowledge related to patient interactions, physical examinations, and problem-solving., *Society of Teachers of Family Medicine Resource Library*, 2012.

#### **Provider educational material**

1. Linsk R, Blackwood RA, Cooke JM, Harrison RV, Hildebrandt HM, Lesperance MM: Otitis Media (Update), Self-Study CME Activity, Audience: primary care clinicians and other health care providers who treat children and adults with this condition., *University of Michigan*, 2002.

2. Cooke JM: Critical Care Simulation Curriculum. STFM Resource Library; Peer-reviewed. Available at <https://resourcelibrary.stfm.org/viewdocument/critical-care-simulation-curriculum>, This curriculum was designed to teach residents a broad range of medical and procedural skills incorporating medical simulation into the three year residency curriculum. Critical care, neonatal and surgical skills are emphasized due to their inherently low volume and high risk nature and because they are well suited to simulation-based teaching., Society of Teachers of Family Medicine Resource Library, 2006.
3. Linsk R, Blackwood RA, Cooke JM, Harrison RV, Passamani PP: Otitis Media (Update), Internet Self-Study CME Activity - Audience: primary care clinicians and other health care providers who treat children and adults with this condition., University of Michigan, 2007.
4. Lafleur A, Cooke JM: No-Scalpel Vasectomy - Web-based procedure module, 2007 (revised 2014), This unit is one in the series in the Clinical Procedures modules developed by the Department of Family Medicine at the University of Michigan. This unit is intended to be used by Family Medicine residents, and provides information for the resident to learn how to:  
perform pre-vasectomy counseling and examination, assist with and perform no-scalpel vasectomy, perform appropriate follow-up care, including semen analysis and managing complications. obtain forms and documentation templates relevant to all aspects of no-scalpel vasectomy. Available on Family Medicine web page and Open Michigan at <https://medicine.umich.edu/umfm-edmodules> or [open.umich.edu](https://open.umich.edu), Family Medicine, 2007.
5. Cooke JM: Cardiac Exam Simulation Curriculum. Family Medicine Digital Resource Library; Peer-reviewed. Available at <https://resourcelibrary.stfm.org/viewdocument/cardiac-exam-simulation-curriculum>, Simulation-based independent competency curriculum for cardiac auscultation and diagnosis, Society of Teachers of Family Medicine Resource Library, 2011.
6. Burrows HL, Blackwood RA, Cooke JM, Harrison RV, Harmes KM, Passamani PP: Otitis Media, Self-Study CME Activity, Audience: primary care and other health care providers who diagnose and treat otitis media in children and adults. (Available through the UM Office of Continuous Professional Development: <http://ocpd.med.umich.edu/cme>), University of Michigan, 2014.
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