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Education and Training

- 8/1989 – 5/1993 B.S.-Biochemistry – Summa Cum Laude, Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, Virginia.
- 6/1993 – 5/1997 M.D. - University of Virginia School of Medicine, Charlottesville, Virginia.
- 6/1997 – 6/2000 Family Medicine Residency, University of Michigan, Ann Arbor, Michigan.

Certification and Licensure

Certification

- 1999 USMLE Parts 1-3 – Pass.
- 2000 Board Certified – American Board of Family Medicine, (recertified 2007)
- 1997 Certified, Advanced Cardiac Life Support (recertified 1999, 2001, 2003, 2005, 2007, 2008, 2010, 2012).

Licensure

- 2000 - present Permanent License - Michigan #4301070216

Academic, Administrative, and Clinical Appointments

Academic Appointments

- 7/2000 – 5/2004 Clinical Instructor, University of Michigan Department of Family Medicine.

- 5/2004 – present Clinical Assistant Professor, Univ. of Michigan Dept. of Family Medicine.
- 10/2011-present Clinical Assistant Professor, Univ. of Michigan Dept. of Learning Health Sciences (formerly Dept. of Medical Education)

Administrative Appointments

- 7/1999 – 6/2000 Chief Resident, University of Michigan, Department of Family Medicine.
- 6/2002 – 9/2007 Assistant Residency Director, Family Medicine Residency Program, University of Michigan
- 7/2006 – 10/2011 Medical Co-director, Clinical Simulation Center, University of Michigan
- 9/2007 – 8/2013 Program Director, Family Medicine Residency Program, University of Michigan
- 10/2011-present Executive Director, Clinical Simulation Center, University of Michigan

Clinical Appointments

- 7/2000 – present Staff Physician, Chelsea Community Hospital, Chelsea, Michigan.
- 7/2000 – present Staff Physician, University of Michigan Hospitals, Ann Arbor, Michigan.

Research Interests

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

Grants

- 2010-2016 HRSA Bureau of Health Professions, HRSA-10-277, Affordable Care Act Primary Care Residency Expansion (PRCE) Program, James Cooke, M.D. – PI, \$960,000 grant to expand the family medicine residency program at UM by one position per year for 5 years.
- 2009-2010 University of Michigan Center for Research on Learning and Teaching, Gilbert Whitaker Fund for the Improvement of Teaching, James Cooke, M.D. – PI, \$10,000 for one year inter-school collaboration for the development of a longitudinal residency leadership curriculum

2014-15 University of Michigan GME Innovations Grant, Deb Rooney, Ph.D. – PI, James Cooke, M.D. – Co-I, Mixed modality modules for universal high impact in medical residents' education, \$24,000 grant to develop on-line curricula blended with simulation experiences for independent learning, including cardiopulmonary examination, retinal examination and lumbar puncture.

Honors and Awards

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.

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

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.

2014 Fellow of the American Academy of Family Physicians

Memberships in Professional Societies

1993-present Member - American Academy of Family Physicians.

1997-present Member - Michigan Academy of Family Physicians.

2004-present Member – The Society of Teachers of Family Medicine

2007-2013 Member – Association of Family Medicine Residency Directors

2013-present Member – American College of Surgeons (accrediting body for simulation center)

2014-present Member – Society for Simulation in Healthcare

Editorial Positions, Boards, and Peer-Review Service

2009-present Journal of Graduate Medical Education – peer reviewer

2011-present Grant Reviewer for UM Clinical Simulation Center Research Committee

2013-present Family Medicine – peer reviewer

Teaching

Attending Physician

2000-present Chelsea Family Medicine outpatient clinic and procedures clinic preceptor.

2000-present University of Michigan Medical School preceptor for 6-10 students per year.

2000-present Chelsea Community Hospital Inpatient Family Medicine Teaching Service.

2000-2004 University of Michigan Family Medicine Obstetrics Service.

2007-2013 Ypsilanti Family Medicine outpatient clinic preceptor.

CME Administration

2002-2007 CME Course Co-Director, Annual Update in Family Medicine, University of Michigan.

Curriculum Development - University of Michigan Family Medicine Residency Program

1999 - 2002 Fracture Management Curriculum for Residents

2002 Surgery II – one month general surgery rotation for family medicine residents

2003 Medical Subspecialties – one month outpatient subspecialty rotation for residents

2004-2011 Comprehensive Clinical Simulation Curriculum – 3 year procedural and critical care curriculum utilizing high fidelity medical simulators through the UM Clinical Simulation Center

2007-2013 Family Medicine Residency Program Curriculum

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

Curricular Component Director - University of Michigan Family Medicine Residency Program

2002-2007 Surgery I & II
Family Practice Procedures II & III
Medical Subspecialties

Chelsea Outpatient Clinic
2004-2011 Clinical Simulation Center Curriculum

Internet Self-Study CME Activity

- 2002 Otitis Media (Update). Co-author. Audience: primary care clinicians and other health care providers who treat children and adults with this condition. (Available through the UM CME web site)
- 2007 Otitis Media (Update). Co-author. Audience: primary care clinicians and other health care providers who treat children and adults with this condition. (Available through the UM CME web site)
- 2014 Otitis Media. Co-author. Audience: This self-study activity is appropriate for 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>)

Internet-Based Residency Curricula

- 2001 Rapid Sequence Intubation, Techniques for Effective Airway Management. Audience: UM Family Medicine second and third year residents. (Available through <http://ctools.umich.edu>)
- 2002 Under Pressure, Principles for the Use of Vasopressors and Inotropes. Co-author. Audience: UM Family Medicine second and third year residents. (Available through <http://ctools.umich.edu>)

Undergraduate Teaching

- 2009-10 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

International Lectures

1. Rooney D, Cooke JM, Millo Y, Hananel D, Expert Panel: The Creation of a Simulator Value Index by Connected Consensus, International Meeting on Simulation in Healthcare, San Francisco, CA, January 28, 2014

National Lectures

1. Cooke JM, June 2008, Clinical Simulation for Skills Teaching and Competency Assessment, 2008 Workshop for Directors of Family Medicine Residencies, Overland Park, KS, June 9, 2008.

2. Heidelberg J, Cooke JM, The Future of Family medicine: How do we Recruit the Next Generation, Society of Teachers of Family Medicine Annual Spring Conference, New Orleans, LA, April 29, 2011.
3. Cooke JM, Wimsatt L, Development of an Interdisciplinary Leadership Curriculum for Family Medicine Residents, Society of Teachers of Family Medicine Annual Spring Conference, New Orleans, LA, April 30, 2011.

Regional Lectures

1. Cooke JM, March 2000, Antibiotic Resistance: How Multidrug Resistant Bacteria Have Changed the Practice of Medicine, CME - Family Practice 2000, Spring Review Course, University of Michigan.
2. Cooke JM, October 2000, Errors in Fracture Cases, CME – Sports Medicine for the Primary Care Physician, University of Michigan.
3. Cooke JM, March 2001, Office Management of Upper Extremity Fractures, CME – Family Practice 2001, Spring Review Course, University of Michigan.
4. Cooke JM, October 2002, Acute Otitis Media: Updated Clinical Guidelines, CME – Update in Family Medicine, University of Michigan.
5. Cooke JM, October 2002, Noninvasive Cardiac Imaging, A Thoughtful Approach to Choosing the Appropriate Test, CME - Update in Family Medicine, University of Michigan.
6. Cooke JM, September 2003, Updates in Radiology Techniques and Technology, CME - Update in Family Medicine, University of Michigan.
7. Cooke JM, January 2004, Acute Otitis Media: Update on Diagnosis and Management, CME – Midwinter Family Practice Update, Dept. of Family Medicine and Michigan Academy of Family Physicians.
8. Cooke JM, January 2004, Office Management of Upper Extremity Fractures, CME – Midwinter Family Practice Update, Dept. of Family Medicine and Michigan Academy of Family Physicians.
9. Cooke JM, January 2004, Errors in Fracture Care: Case Reviews, CME – Midwinter Family Practice Update, Dept. of Family Medicine and Michigan Academy of Family Physicians.
10. Cooke JM, October 2005, Clinical Simulation and the Future of Family Medicine Education, CME - Update in Family Medicine, University of Michigan.
11. Cooke JM, October 2005, Update on Cardiac Stress Testing, CME - Update in Family Medicine, University of Michigan.

12. Cooke JM, June 2006, 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.
13. Cooke JM, June 2006, Update on Antibiotic-Resistant Infections, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine.
14. Cooke JM, June 2006, Clinical Simulation and the Future of Family Medicine, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine.
15. Cooke JM, June 2006, Otitis Media Update, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine.
16. Cooke JM, June 2006, Pediatric Infectious Disease Potpourri, CME – Northern Michigan Summer Conference, sponsored by the University of Michigan Dept of Family Medicine.
17. Cooke JM, October 2006, Acute Otitis Media, CME - Update in Family Medicine, University of Michigan.
18. Cooke JM, October 2006, Management of Complex and Refractory Acute Otitis Media, CME – Update in Family Medicine, University of Michigan.
19. Cooke JM, October 2007, Pneumonia, an Update on Diagnosis and Treatment for Primary Care & Pneumonia, Case Studies, CME – Update in Family Medicine, University of Michigan.
20. Cooke JM, January 2012, Acute Otitis Media, Update on Diagnosis and Management, CME - Midwinter Family Practice Update, Michigan Academy of Family Physicians.
21. Cooke JM, January 2012, Complications of Acute Otitis Media, CME - Midwinter Family Practice Update, Michigan Academy of Family Physicians.
22. Cooke JM, January 2012, Primary Care Workforce Issues, Finding Future Partners, CME - Midwinter Family Practice Update, Michigan Academy of Family Physicians.
23. Cooke JM, Lee K, Yake D, November 2013, Simulation Debriefing, UMCSO CRASH Course - Instructor Training for Simulation in Healthcare, University of Michigan Clinical Simulation Center.

Local Lecture Series

1. Cooke JM, July 1999 – 2009 (annual lecture), Noninvasive Cardiac Imaging, A Thoughtful Approach to Choosing the Appropriate Test, Intern Block Month, University of Michigan Family Medicine Residency Program.

2. Cooke JM, July 2005 – 2010 (annual lecture), Dictation for Residents, Intern Block Month, University of Michigan Family Medicine Residency Program.
3. Cooke JM, 2009-present (annual lecture), Acute Otitis Media, Intern Block Month, University of Michigan Family Medicine Residency Program.
4. Cooke JM, 2009-present (annual lecture), Pediatric Humor, Intern Block Month, University of Michigan Family Medicine Residency Program.
5. Cooke JM, 2010-present (annual lecture), Teamwork, Leadership Topics in Family Medicine, HO-2 Resident Block Month, University of Michigan Family Medicine Residency Program
6. Cooke JM, 2010-present (annual lecture), Persuasion and Influence, Leadership Topics in Family Medicine, HO-2 Resident Block Month, University of Michigan Family Medicine Residency Program

Poster Presentations

1. Linsk R, Cooke JM, October 2002, “Clinical Management of Otitis Media by Pediatricians, Family Physicians, Otolaryngologists, and Emergency Physicians in Michigan” Poster Presentation – Pediatric Research Symposium, University of Michigan.
2. Linsk R, Cooke JM, June 2003, “Antibiotic Choices for Acute Otitis Media by Pediatricians, Family Physicians, Otolaryngologists, and Emergency Physicians in Michigan” Poster presentation – 8th International Symposium on Recent Advances in Otitis Media – Fort Lauderdale, FL.
3. Cooke JM, Master-Hunter T, Skye E, Wilson E, Wimsatt L, April 2011, ”Creating a Comprehensive Model of Curriculum Design and Evaluation in a Family Medicine Residency Program” Poster presentation – Society of Teachers of Family Medicine Annual Spring Conference, New Orleans, LA.
4. Kelley SA, Cooke JM, May 2013, “Simulated Procedures In Family Medicine In a Pre-clinical Medical Student Curriculum” Poster presentation - Society of Teachers of Family Medicine Annual Spring Conference, Baltimore, MD.
5. Rooney DM, Cooke JM, August 2013, “Creation of an Ongoing Quality Improvement and Needs Assessment Process for a Clinical Simulation Center” Poster presentation – Association for Medical Education in Europe (AMEE) Annual Conference, Prague, Czech Republic

Committee, Organizational and Volunteer Service

Medical School

- 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

Department

- 2002-2013 Residency Education Committee, University of Michigan, Department of Family Medicine, (chair, 2007-2013)
- 2002-2013 Educational Steering Committee, University of Michigan, Department of Family Medicine
- 2002-2014 Residency Recruitment Committee, University of Michigan, Department of Family Medicine (chair, 2007-2014)

Hospital

- 2001-present Otitis Media Guideline Committee, University of Michigan Hospitals.
- 2001-present Medical Care Review Committee, Chelsea Community Hospital, Chelsea, Michigan.
- 2011-2012 Integrated Revenue Cycle Compliance and Education Committee, University of Michigan Hospitals and Faculty Group Practice, ad hoc member

Regional

- 2007-2011 Michigan Academy of Family Physicians Residency Directors Committee (co-chair, 2010-11)
- 2011-2013 Michigan Academy of Family Physicians Education Committee

National

- 2014 International Meeting for Simulation in Healthcare – Abstract Review Committee
- 2014-present Best Practice Committee, Amer. Coll. Surgeons, Accredited Educational Institutes

Bibliography

Peer-Reviewed Journals and Publications

1. Taylor RP, Ferguson PJ, Martin EN, Cooke JM, Greene KL, 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. [Journal Article] *Clinical Immunology & Immunopathology*. 82(1):49-59, 1997 Jan.
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, 2002. [Available from the Agency for Healthcare Research and Quality at www.guideline.gov] [practice guideline]

3. Linsk R, Cooke JM. Diagnosis and Management of Acute Otitis Media in Michigan. *Clinical Pediatrics*. 43:159-169, March 2004.
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, 2007. [Available from the Agency for Healthcare Research and Quality at www.guideline.gov] [practice guideline]
5. Cooke JM, Larsen J, Hamstra SJ, Adreatta PB. Simulation Enhances Resident Confidence in Critical Care and Procedural Skills. *Family Medicine*. 40(3): 165-7, March, 2008.
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, June, 2009.
7. Brown KK, Master-Hunter TA, Cooke JM, Wimsatt LA, Green LA. Applying Health Information Technology and Team-Based Care to Residency Education. *Family Medicine*. 43(10):726-30, November 2011.
8. 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, April, 2013. [Available from the Agency for Healthcare Research and Quality and www.guideline.gov] practice guideline]
9. Heidelbaugh J, Cooke JM, Wimsatt L. Opportunities for Medical Student Engagement with Family Medicine. *Family Medicine*. 45(7):484-91, July-August 2013.
10. Harmes KM, Blackwood RA, Burrows HL, Cooke JM, Harrison RV, Harmes KM, Passamani PP. Otitis Media: Diagnosis and Treatment. *Am Family Physician*. 88(7):435-40, October 1, 2013.

Non-Peer-Reviewed Publications

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

Book Chapters

1. Cooke JM, Shaughnessy AF. Acute Otitis Media. In: Ebell MH, Ferenchick G, Smith M, Barry H, Slawson D, Shaughnessy A, Forsch R, Li S, Wilkes M, Usatine R, eds. *Essential Evidence Plus*. John Wiley & Sons: Hoboken, NJ, 2009.

1. Cooke JM, Wimsatt L. Family Medicine. Book chapter in: The Comprehensive Textbook of Healthcare Simulation. edited by Levine AI, DeMaria S, Bryson EO, Schwartz AD and Sim A. Springer Science and Business Media, 2013.
2. Harmes KM, Cooke JM, Shaughnessy AF. Otitis Media (acute). In: Ebell MH, Ferenchick G, Smith M, Barry H, Slawson D, Shaughnessy A, Forsch R, Li S, Wilkes M, Usatine R, eds. Essential Evidence Plus. John Wiley & Sons: Hoboken, NJ, September 2013.

Electronic Publications

1. Cooke JM, Critical Care Simulation Curriculum. Family Medicine Digital Resource Library; 2006. Available at <http://www.fmdrl.org/794>
2. Cooke JM, Cardiac Exam Simulation Curriculum. Family Medicine Digital Resource Library; 2011. Available at <http://www.fmdrl.org/3179>
3. Wimsatt L, Cooke JM, Skye E. Extending Use of Assessment Data to Support Long-term Curricular Improvement. Family Medicine Digital Resource Library; 2012. Available at <http://www.fmdrl.org/3870>

Submitted awaiting review (will update prior to submission to ACAPT)

1. Wimsatt LA, Cooke JM, Biggs WS, Heidelbaugh JJ. Institutional and Curricular Factors Affecting Residency Match Rates in Family Medicine, submitted to Academic Medicine 2014
2. Rooney DM, Hananel D, Millo Y, Cooke JM. Creation of a Simulator Value Index Tool by Connected Consensus, submitted to Journal of the American College of Surgeons 2014
3. Kelley SA, Shultz C, Cooke JM. Simulation-based Procedural Training in a Pre-clinical Medical Student Curriculum. submitted to MedEdPortal 2014.