

Curriculum Vitae

Rima A. Mohammad, PharmD, FCCP, BCPS

PERSONAL DATA

Address: Office
University of Michigan College of Pharmacy
428 Church Street
Ann Arbor, MI 48109-1065

Contacts: (734) 647-1677 (office)

Email: rimam@med.umich.edu

EDUCATION

2018 - 2019 Medical Education Scholars Program
University of Michigan Medical School
Ann Arbor, MI

2015 - 2017 American College of Clinical Pharmacy Mentored Research Investigator
Training (MERIT) Program

2005 - 2006 Post-Graduate Year 2 (PGY2) Specialty Residency in Critical Care
Michigan Medicine
Ann Arbor, MI

2004 - 2005 Post-Graduate Year 1 (PGY1) Pharmacy Practice Residency
Michigan Medicine
Ann Arbor, MI

2000 - 2004 Doctorate of Pharmacy
University of Cincinnati
College of Pharmacy
Cincinnati, OH

APPOINTMENTS AND POSITIONS

ACADEMIC

2016 - Present Clinical Associate Professor
University of Michigan College of Pharmacy
Ann Arbor, MI

2014 - 2016 Clinical Assistant Professor
University of Michigan College of Pharmacy

- Ann Arbor, MI
- 2010 - 2013 PGY2 Internal Medicine Residency Program Director
UPMC and University of Pittsburgh School of Pharmacy
Pittsburgh, PA
- 2009 - 2013 Assistant Professor
University of Pittsburgh School of Pharmacy
Pittsburgh, PA
- 2007 - 2009 Assistant Professor
Long Island University, Arnold & Marie Schwartz College of Pharmacy
Brooklyn, NY
- 2006 - 2007 Assistant Professor
University of Tennessee College of Pharmacy
Knoxville, TN
- 2004 - 2006 Adjunct Clinical Instructor
University of Michigan College of Pharmacy
Ann Arbor, MI

NON-ACADEMIC - PHARMACY PRACTICE

- 2018 - Present Clinical Specialist, Post Intensive Care Recovery Clinic
Michigan Medicine
Ann Arbor, MI
- 2017 - Present Clinical Specialist, Hepatology/Gastroenterology
Michigan Medicine
Ann Arbor, MI
- 2014 - 2017 Clinical Specialist, General Surgery/Nutrition/Gastroenterology
Michigan Medicine
Ann Arbor, MI
- 2011 - 2013 Clinical Specialist, Inpatient and Outpatient Hepatology
UPMC
Pittsburgh, PA
- 2009 - 2013 Clinical Specialist, Internal Medicine
UPMC
Pittsburgh, PA
- 2007 - 2009 Clinical Specialist, Surgical Intensive Care Unit
Mount Sinai Medical Center
New York, NY
- 2006 - 2007 Clinical Specialist, Emergency Medicine
University of Tennessee Medical Center
Knoxville, TN

PHARMACY LICENSURE AND CERTIFICATION

2006 - Present	Board Certified Pharmacotherapy Specialist
2004 - Present	Pharmacy Licensure, State of Michigan # 5302035423
2009 - 2014	Pharmacy Licensure, State of Pennsylvania # RP444248
2007 - 2010	Pharmacy Licensure, State of New York # 20 051684
2006 - 2007	Pharmacy Licensure, State of Tennessee # 27714
2005 - 2009	Advanced Cardiac Life Support

HONORS AND AWARDS

2019	University of Michigan College of Pharmacy Teaching Excellence Award nominee
2018	Sepsis Heroes Award – Sepsis Alliance
2016	Fellow of the American College of Clinical Pharmacy (FCCP)
2015	ACCP Adult Medicine PRN MeRIT program tuition scholarship (\$4000)
2012	American Society of Health-System Pharmacists (ASHP) and American Pharmacists Association (APhA) Top 10 Finalist for best practices in Medication Management in Care Transitions
2012	ACCP Best Poster Top 8 Finalist
2012	Jewish Healthcare Foundation Fine Award Finalist
2012	ACCP Adult Medicine PRN Best Poster
2007	ACCP Spring Practice and Research Forum Best Resident and Fellow Poster
2005	ACCP Economics and Outcomes PRN project acknowledgement
2003	Ohio Society of Health-Systems Pharmacists Student Award

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2007 - 2009	New York State and City Society of Health-System Pharmacists
2018 - Present	Society of Critical Care Medicine (SCCM)
2005 - 2010	
2004 - 2006	Southeastern Michigan Society of Health-System Pharmacists
2004 - Present	American College of Clinical Pharmacy Adult Medicine PRN Network GI/Liver/Nutrition PRN Network Critical Care PRN Network
2003 - Present	Phi Lambda Sigma Leadership Fraternity

2001 - 2015 American Society of Health-System Pharmacists
2001 - 2006 American Pharmacists Association

TEACHING RESPONSIBILITIES

UNIVERSITY OF MICHIGAN COLLEGE OF PHARMACY, 2014 - Present

Professional Courses

COORDINATOR

2014 - Present Therapeutics Lab [PHARMACY 702 and 712]
Lab Course Coordinator

DIDACTIC

2017 - Present Therapeutics [PHARMACY 612]
Lecturer, Peptic Ulcer Disease and Acute Gastrointestinal Disorders (2017, 2018)
Lecturer, Epilepsy I, II and Lab (2020)
Lecturer, Migraines (2020)
Lecturer, Men's Health (2020)

2015 Therapeutics [PHARMACY 602]
Lecturer, Peptic Ulcer Disease (2015)

2014 - Present Therapeutics [PHARMACY 712]
Lecturer, Chronic Liver Disease (2015)
Lecturer, Intro to Hepatology (2015)
Lecturer, DILI (2015)
Lecturer, Inflammatory Bowel Disease (2015, 2016, 2017, 2018, 2019)
Lecturer, Viral Hepatitis I and II (2014, 2015, 2016, 2017, 2018, 2019, 2020)
Facilitator, Hepatology and Gastroenterology Labs (2014, 2015, 2016, 2017, 2018, 2019, 2020)
Lecturer, Constipation, Diarrhea, IBS (2016, 2017)
Lecturer, Acute Gastrointestinal Disorders (2016, 2017)
Lecturer, Nutrition I and II (2018, 2019, 2020)
Lecturer, Sepsis (2018, 2019, 2020)
Lecturer, Pain, Delirium, Agitation (2018, 2019, 2020)
Lecturer, Clostridium Difficile Infection (2018)
Facilitator, ICU Lab (2018, 2019, 2020)
Lecturer, Peptic Ulcer Disease and Acute Gastrointestinal Disorders (2020)

EXPERIENTIAL

2018 - Present University of Michigan College of Pharmacy, Ann Arbor, MI
Advanced Pharmacy Practice Experience (APPE) Rotation Preceptor
Teaching/Academia

2014 - 2019 Michigan Medicine, Ann Arbor, MI

Introductory Pharmacy Practice Experience (IPPE) Rotation Preceptor
General Surgery/Nutrition (2014 - 2017)
Transitions of Care – Hepatology (2018 - 2019)

2014 - 2017 Michigan Medicine, Ann Arbor, MI
APPE Rotation Preceptor
General Surgery/Nutrition

LONGITUDINAL

2014 - Present Pharm.D. Investigation Courses [PHARM/MC/PS 565, 575, 585]
Faculty Advisor

UNIVERSITY OF PITTSBURGH SCHOOL OF PHARMACY, 2009 - 2014

Professional Courses

DIDACTIC

2013 Anatomy and Physiology 2 [PHARM 5115]
Lecturer, Functional Anatomy
Lecturer, Accessory Digestive Organs
Lecturer, Mechanical Processes involved in Digestion
Lecturer, Secretions of the Digestive System
Lecturer, Chemical Composition of Foods, Digestion and Absorption

2012 Pulmonary, Allergy, Rheumatology [PHARM 5316]
Lecturer, Asthma Disease
Facilitator, Respiratory Lab (created and facilitated) and Asthma Cases
(Virtual patient - facilitated)

2011 - 2013 Gastroenterology/Nutrition [PHARM 5223]
Lecturer, Acute Liver Disease
Lecturer, Chronic Liver Disease
2011 - 2013 Facilitator, Liver Cases (created and facilitated cases)
2010 - 2013 Facilitator, Diarrhea/Constipation Cases
Facilitator, Peptic Ulcer Disease Cases
2011 - 2013 Advanced Pharmaceutical Care 1
Facilitator, Hypertension Problem-based Learning Cases
Facilitator, Cardiovascular Diseases Problem-based Learning Cases

2010 - 2012 Endocrinology [PHARM 5318]
Facilitator, Journal Club Practicum

2010 - 2012 Profession of Pharmacy [PHARM 5111]
Facilitator, Chart Review Assignment

EXPERIENTIAL

2009 – 2013 UPMC Presbyterian, Pittsburgh, PA
IPPE Rotation Preceptor
Internal Medicine

2009 – 2013 UPMC Presbyterian, Pittsburgh, PA
APPE Rotation Preceptor
Internal Medicine

Course Development

2011 - 2013 Special Projects Elective [PHARM 5800]
Coordinator, Introduction to Clinical Research in Hepatology (created and coordinated)

LONG ISLAND UNIVERSITY, ARNOLD AND MARIE SCHWARTZ COLLEGE OF PHARMACY, 2007 - 2009

Professional Courses

DIDACTIC

2008 - 2009 Pharmacotherapeutics II [PH 210]
Lecturer, Pancreatitis
Lecturer, Fluid and Electrolytes

EXPERIENTIAL

2007 – 2009 Mount Sinai Medical Center, New York, NY
IPPE Rotation Preceptor
Institutional

2007 – 2009 Mount Sinai Medical Center, New York, NY
APPE Rotation Preceptor
Critical Care, Internal Medicine and Research

UNIVERSITY OF TENNESSEE COLLEGE OF PHARMACY, 2006 – 2007

Professional Courses

DIDACTIC

2007 Cardiology Selective
Lecturer, Hypertensive Urgency and Emergency

2007 Toxicology Elective [PHCY 245]
Lecturer, A General Approach to Providing Support Measures for Poisonings

UNIVERSITY OF MICHIGAN COLLEGE OF PHARMACY, 2004 – 2006

Professional Courses

DIDACTIC

2004 - 2006 Pharmaceutical Care IV
Facilitator

RESIDENCY DEVELOPMENT AND INVOLVEMENT

MICHIGAN MEDICINE, UNIVERSITY HOSPITAL, 2014 - Present

Residency Responsibilities

2020 - Present	Post-ICU Clinic Rotation
2017 - Present	Teaching/Academia Rotation
2015 - Present	Transitions of Care in Hepatology Rotation
2014 - 2017	Nutrition Rotation
2014 - 2017	General Surgery Rotation

Post-Doctoral Resident Supervision

2020 - Present	Nick Franz, Critical Care Resident
2018 - 2019	Joseph Cusimano, Pharmacy Practice Resident
2017 - 2018	Marina Maes, Pharmacy Practice Resident
2016 - 2017	Nicholas Farina, Critical Care Resident Connor Luczak, Managed Care Resident
2015 - 2016	Suhail Shaikh, Pharmacy Practice Resident Nada Farhat, Pharmacy Practice Resident Valerie Palmer, Ambulatory Care Resident Alexis Bylina, Critical Care Resident Joslyn Neal, Pharmacy Practice Resident
2014 - 2015	Monique Conway, Pharmacy Practice Resident Jennifer Lashinsky, Critical Care Resident Natalia Jasiak, Transplant Resident Lisa Albrecht, Pharmacy Practice Resident

Residency Mentor

2017 - 2018	Jacenta Gabriel
2014 - 2015	Beejal Ganti

UPMC PRESBYTERIAN, 2009 - 2013

Residency Responsibilities

Developed and served as director of the Internal Medicine Pharmacy Residency Program and served as rotation preceptor for all residency programs at the UPMC and University of Pittsburgh School of Pharmacy.

2010 - 2013	Director, PGY2 Internal Medicine Pharmacy Residency ASHP accreditation status: Accredited Residents: Michael Smith (2012/2013) Amanda Lin (2011/2012) Jenny Kim (2010/2011)
2011 - 2013	PGY2 Medication Safety Residency Preceptor Internal Medicine - Required

2011 - 2013	PGY2 Infectious Disease Residency Preceptor Internal Medicine - Elective
2011 - 2013	PGY2 Ambulatory Care Residency Preceptor Hepatology - Elective Transitions of Care - Internal Medicine - Elective
2011 - 2013	PGY2 Cardiology/Critical Care Residency Preceptor Transitions of Care - Internal Medicine - Elective
2010 - 2013	PGY2 Internal Medicine Residency Preceptor Internal Medicine and Hepatology - Required
2009 - 2013	PGY1 Pharmacy Practice Residency Preceptor Internal Medicine and Preceptorship - Required Internal Medicine - Elective

Post-Doctoral Resident Supervision

2012 - 2013	Tiffany Chapman, Medication Safety Resident Megan Fleischman, Ambulatory Care Resident Michael Smith, Internal Medicine Resident Mariam Bora, Pharmacy Practice Resident Amanda Johnson, Pharmacy Practice Resident Vanessa Millisor, Pharmacy Practice Resident Alicia Lichvar, Pharmacy Practice Resident
2011 - 2012	Meredith Jernigan, Infectious Disease Resident Megan Kloet, Pharmacy Practice Resident Amanda Lin, Internal Medicine Resident Michael Smith, Pharmacy Practice Resident Gretchen Kipp, Transplant Resident Ibrahim Sales, Ambulatory Care Resident
2010 - 2011	Sandeep Devabhakthuni, Cardiology/Critical Care Resident Jenny Kim, Internal Medicine Resident Ibrahim Sales, Pharmacy Practice Resident Meredith Jernigan, Pharmacy Practice Resident
2009 - 2010	John Foley, Pharmacy Practice Resident Christina Hedrick, Pharmacy Practice Resident

Residency Advisor

2012 – 2013	Michael Smith
2011 – 2012	Amanda Lin
2010 – 2011	Jenny Kim

MOUNT SINAI MEDICAL CENTER, 2007 – 2009

Residency Responsibilities

Served as rotation preceptor for the Pharmacy Practice residency program at Mount Sinai Medical Center.

2007 - 2009 PGY1 Pharmacy Practice Residency Preceptor
Critical Care and Internal Medicine - Elective

Post-Doctoral Resident Supervision

2008 - 2009 Gargi Patel, Pharmacy Practice Resident
2007 - 2008 Reena Tejura, Pharmacy Practice Resident

SERVICE

COMMITTEES

PROFESSIONAL ORGANIZATIONS

Local

2016 - Present Faculty Advisor, Multicultural Pharmacy Student Organization – University of Michigan College of Pharmacy
2014 - 2016 Faculty Advisor, APhA – University of Michigan College of Pharmacy Student Chapter
2011 - 2013 Faculty Advisor, ASHP – University of Pittsburgh School of Pharmacy Student Chapter
2007 - 2009 Faculty Advisor, Phi Lambda Sigma – Long Island University Arnold & Marie Schwartz College of Pharmacy Student Chapter
2007 - 2008 New Practitioner Mentor, APhA – Long Island University Arnold & Marie Schwartz College of Pharmacy Student Chapter
2004 - 2006 New Practitioner Mentor, APhA - University of Michigan College of Pharmacy Student Chapter

National/Regional

American College of Clinical Pharmacy

2018 - 2019 Chair, Adult Medicine PRN Research Committee
2018 - 2019 Member, Critical Care PRN Research Committee
2017 - 2018 Vice Chair, Adult Medicine PRN Research Committee
2017 - 2018 Member, Ambulatory Care PRN Research Process Committee
2015 - 2017 Member, 2017 Annual Meeting Program Committee
2013 - 2017 Mentor, Resident Mentor Program
2012 - 2013 Chair, GI/Liver/Nutrition PRN
Member, GI/Liver/Nutrition PRN Programming Committee
2011 - 2012 Chair Elect, GI/Liver/Nutrition PRN
Member, GI/Liver/Nutrition PRN Programming Committee
2010 - 2011 Member, Public and Professional Relations Committee
2009 - 2018 Reviewer, Student and Resident Curriculum Vitae Reviews

2007 - 2008 Member, Certification Affairs Committee
 2006 - 2007 Member, Critical Care PRN Programming Committee
 2005 - 2006 Member, Task Force on Leadership

American Society of Health-System Pharmacists

2012 - 2015 Member, Section Advisory Group on Preceptor Skills Development
 2008 - 2009 Member, New Practitioner Science and Research Advisory Group
 2006 - 2007 Member, Council on Pharmacy Practice
 2006 Attendee, ASHP National Policy Week at Washington D.C.
 2005 Attendee, ASHP Leadership Conference
 2005 - 2006 Member, New Practitioner Leadership/Career Development Subcommittee
 2004 - 2005 Member, New Practitioner Membership Subcommittee

New York City Society of Health-System Pharmacists

2008 - 2009 Chair, Special Projects Committee

UNIVERSITY AND SCHOOL

2017 - 2018 Chair, Therapeutic Problem Solving (ad Hoc)
 University of Michigan College of Pharmacy
 2014 - Present Member, Therapeutic Problem Solving (ad Hoc)
 University of Michigan College of Pharmacy
 2015 - Present Member, Clinical Skills Committee
 University of Michigan College of Pharmacy
 2015 - 2016 Chair, Therapeutic Problem Solving (ad Hoc)
 University of Michigan College of Pharmacy
 2014 - 2015 Member, International Affairs Committee
 University of Michigan College of Pharmacy
 2011 - 2013 Member, Curriculum Committee
 University of Pittsburgh School of Pharmacy
 2010 - 2013 Member, Residency Council
 University of Pittsburgh School of Pharmacy
 2008 - 2009 Member, Curriculum Committee
 Long Island University Arnold & Marie Schwartz College of Pharmacy
 2008 - 2009 Member, Scholastic Committee
 Long Island University Arnold & Marie Schwartz College of Pharmacy
 2007 - 2009 Member, Faculty, Preceptor, Staff Development Committee
 Long Island University Arnold & Marie Schwartz College of Pharmacy

HOSPITAL

2018 - Present Member, Sepsis and Transitions of Care Clinical Design Group
 Michigan Medicine
 2015 - 2017 Member, Colectomy Clinical Design Group
 Michigan Medicine
 2014 - 2016 Member, Nutrition Advisory Committee
 Michigan Medicine
 2009 - 2012 Member, Anticoagulation Task Force
 UPMC Presbyterian/Shadyside

- 2007 - 2009 Member, Critical Care Committee
Mount Sinai Medical Center
- 2006 - 2007 Member, Pneumonia Team Committee
University of Tennessee Medical Center
- 2005 - 2006 Member, Residency Advisory Committee
Michigan Medicine
- 2005 - 2006 Pharmacy Chief Resident
Michigan Medicine

JOURNAL REVIEWER

- 2018 - Present Manuscript Reviewer, Journal of American College of Clinical Pharmacy
- 2006 - 2009 Manuscript Reviewer, Advanced Emergency Nursing Journal
- 2006 - Present Manuscript Reviewer, Annals of Pharmacotherapy
- 2005 - Present Manuscript Reviewer, Pharmacotherapy
- 2004 - Present Manuscript Reviewer, American Journal of Health-System Pharmacy

SERVICE PROJECTS

MICHIGAN MEDICINE

- 2019 - Present Post-ICU and Post-Sepsis Educational Interventions (development, implementation, and data analysis)
- 2018 - Present UM PULSE (Post ICU Longitudinal Survivor Experience) Multidisciplinary Clinic (development, implementation, and data analysis)
- 2015 - 2017 Clinical Innovations Program in Colorectal Surgery Clinical Design (development and implementation)
- 2015 - Present Hepatitis C virus (HCV) Drug-Drug Intervention/Adherence Quality Improvement Project (development, implementation and data analysis)
- 2015 - Present Transitions of Care in Hepatology (development, implementation and data analysis)

UPMC

- 2012 - 2013 Inpatient Hepatology Pharmacy Service (development and implementation)
- 2010 - 2013 HCV Ambulatory Pharmacy Service (development, implementation and data analysis)
- 2010 - 2012 Transitions of Care Pharmacy Service (development, implementation and data analysis)

Mount Sinai Medical Center

- 2007 - 2009 Surgical Intensive Care Unit Pharmacy Service (development and implementation)

University of Tennessee Medical Center

2006 - 2007 Emergency Department Pharmacy Practice (development, implementation and data analysis)

OTHER

2007 - 2009 Medical Reserve Corp - New York City Chapter

PRESENTATIONS

INVITED PLATFORM PRESENTATIONS

1. *Rima A. Mohammad*. "Clinical and financial outcomes of a therapeutic interchange program for erythropoietic growth factors in adult hemodialysis patients." ACCP Annual Meeting. San Francisco, CA. October 2005.
2. *Rima A. Mohammad* and Renee Petzel. "Developing Pharmacy Services in the Emergency Department." Continuing education for pharmacists and pharmacy students. University of Tennessee College of Pharmacy. Memphis, TN. March 2007.
3. *Rima A. Mohammad*. "Inflammatory Bowel Disease (IBD) and Your Medications." Crohn's and Colitis Foundation of American (CCFA) – Tennessee Chapter. Knoxville, TN. April 2007.
4. *Rima A. Mohammad*. "Review of the management of hepatic encephalopathy." ACCP Annual Meeting. Austin, TX. October 2010.
5. Moderator. "Updates in GI/Liver Topics." ACCP Annual Meeting. Hollywood, FL. October 2012.
6. *Rima A. Mohammad*. "Latest and greatest in antiviral therapy for HCV – sofosbuvir, simeprevir, and interferon-free therapy." ACCP Annual Meeting. Austin, TX. October 2014.
7. *Rima A. Mohammad*. "Out with the old and in with the new..A shift in the hepatitis C treatment paradigm." ASHP Midyear Clinical Meeting. Anaheim, CA. December 2014.
8. *Rima A. Mohammad*. "Therapeutic considerations in the management of special-population HCV patients and identifying effective roles for pharmacists in their care." Michigan Pharmacist Association Annual Meeting. Detroit, MI. February 2016.
9. *Rima A. Mohammad*. "Updates in Chronic Liver Disease." ACCP Annual Meeting. Phoenix, AZ. October 2017.
10. *Rima A. Mohammad*. "What's New in Opioid Induced Constipation." ACCP Annual Meeting. Phoenix, AZ. October 2017.

11. *Rima A. Mohammad*. "Surviving Sepsis and the ICU: What Pharmacists Need to Know." University of Michigan College of Pharmacy Rowe Lectures. Ann Arbor, MI. October 2019.
12. *Rima A. Mohammad*. "Innovative Management Practices in the Treatment of Hepatitis C Viral (HCV) Infection." ACCP Annual Meeting. New York, NY. October 2019.
13. *Rima A. Mohammad*. "Revolutionizing the care of ICU survivors and caregivers." ASHP Midyear Meeting. Las Vegas, NV. December 2019.

RESEARCH INTERESTS

Areas of research interest comprise of internal medicine and critical care pharmacotherapy which include: critical care and gastroenterology/hepatology.

Students and Residents** under my direction are indicated by the asterisk(s)*

SELECT RESEARCH STUDIES

1. *Rima A. Mohammad*, Burgunda Sweet, Bruce Mueller, Rachel Perlman, James G. Stevenson. "Clinical and financial outcomes of a therapeutic interchange program for erythropoietic growth factors in adult hemodialysis patients." Principal Investigator. IRB approved. 2004.
2. *Rima A. Mohammad*, Cesar Alaniz, Lynda Welage. "Comparison of octreotide verses octreotide and continuous infusion pantoprazole in the treatment of variceal hemorrhage." Principal Investigator. IRB approved. 2005.
3. Ephigene Banzuelo*, Stacy Ell*, Chi Yan Mui*, Jennifer L. Huang, *Rima A. Mohammad*. "Development and implementation of Phi Lambda Sigma mentorship program among first professional year pharmacy students." Co-investigator. 2008.
4. Jenny J. Kim**, Colleen Culley, *Rima A. Mohammad*. "Evaluation of the diagnosis and treatment of type 1 and type 2 hepatorenal syndrome in hospitalized patients." Co-investigator. Quality Improvement (QI) Committee approved. 2010.
5. Jenny J. Kim**, *Rima A. Mohammad*, Kim C. Coley, Amy C. Donihi. "Use of an iPad to provide warfarin video education to hospitalized patients." Co-investigator. QI Committee approved. 2010.
6. Kim C. Coley, *Rima A. Mohammad*, Amy C. Donihi, Patricia D. Kroboth. "Pharmacists as Advocates in Care Transitions." Co-investigator. QI committee approved. 2010.
7. *Rima A. Mohammad*, Jenny J. Kim**, Amy C. Donihi, Kim C. Coley. "Impact of hospital-based pharmacist advocates in care transitions: identification and description of medication related interventions after patient discharge from hospital to home." Co-investigator. QI Committee approved. 2010.

8. Gretchen Kipp**, *Rima A. Mohammad*, Amanda Lin**, Heather Johnson. "Evaluation of pharmacist identified and mitigated drug-drug interactions in hepatitis C virus infected patients starting telaprevir or boceprevir." Co-investigator. QI Committee approved. 2011.
9. Amanda Lin, *Rima A. Mohammad*, Kim C. Coley, Amy C. Donihi. "Impact of an interdisciplinary inpatient diabetes education process on patient understanding and adherence." Co-investigator. QI Committee approved. 2011.
10. Amanda Lin**, Colleen M. Culley, Heather Johnson, Laura Mincemoyer*, *Rima A. Mohammad*. "Evaluation of drug therapy in the treatment of hepatic encephalopathy in a large academic medical center." Co-investigator. QI Committee approved. 2011.
11. Michael Smith, *Rima A. Mohammad*, Neal Benedict. "Virtual patients in the classroom to improve student learning." Co-investigator. IRB approved. 2012.
12. Vicki Ellingrod, *Rima A. Mohammad*, Barry Bleske. "Decision Sim in the Classroom." Co-investigator. IRB exempt. 2014.
13. *Rima A. Mohammad*, Cesar Alaniz, Chrissy Gruber. "Evaluating the effectiveness of hepatorenal syndrome (HRS) treatment." Principle investigator. IRB approved. 2015.
14. *Rima A. Mohammad*, Millie Mo*, Emily Peltier*, Scott Regenbogen. "The evaluation of the efficacy and safety of therapy in Crohn's Disease patients undergoing gastrointestinal surgery." Principle investigator. IRB approved. 2015.
15. *Rima A. Mohammad*, Randolph Regal, Jessica Mellinger, Anna Lok. "Instituting a clinical pharmacy case management approach to improve medication-related outcomes in cirrhosis patients after hospital discharge." Principle investigator. IRB exempt. 2015.
16. Ashley Sabourin**, Kaleigh Fisher, Adam Saulles, *Rima A. Mohammad*. "Evaluation of pharmacist identified drug-drug interactions in hepatitis C virus (HCV) infected patients starting direct acting antivirals." Principle investigator. IRB exempt. 2015.
17. *Rima A. Mohammad*, Simona Butler, Krystal Sing*, Melissa Pleva, Scott Ciarkowski, Roma Gianchandani. "Improving TPN related hyperglycemia management at the University of Michigan Hospitals" Co-investigator. IRB exempt. 2015.
18. Connor Luczak**, Cheryl Kaltz, Kaleigh Fisher, *Rima A. Mohammad*. "Measuring HCV drug treatment adherence in patients that use intravenous drugs." Principle investigator. IRB approved. 2016.
19. *Rima A. Mohammad*, Shaina Kwiatkowski*, Randolph Regal. "Evaluation of the safety and efficacy of nonselective beta blocker use in patients with a history of spontaneous bacterial peritonitis (SBP)." Principle investigator. IRB approved. 2016.
20. *Rima A. Mohammad*, Bradley Vincent*, Randolph Regal. "Evaluating the efficacy of standard antibiotic therapy compared to broad spectrum antibiotics in the treatment of SBP." Principle investigator. IRB approved. 2016.

21. *Rima A. Mohammad, Andrea Duong**, Simona Butler, Scott Ciarkowski, Roma Gianchandani. "Evaluating glucose variability and its risk factors in patients receiving intravenous insulin for the treatment of hyperkalemia." Principle investigator. IRB approved. 2017.
22. *Rima A. Mohammad, Mustapha Beleh.* "Evaluating virtual patient simulation cases within an interdisciplinary course." Principle investigator. IRB exempt. 2018.
23. *Rima A. Mohammad, Elliott Tapper, Polly Luo**, Anna Lok. "Assessing a Virtual Simulation Educational Intervention on Ascites in Patients with Chronic Liver Disease." Principle investigator. IRB exempt. 2018.
24. *Rima A. Mohammad, Antoinette Coe, James Cooke, Theodore Iwashyna, Jakob McSparron, Hallie Prescott, Amy Thompson, Deborah Rooney.* "Conducting an Educational Needs Assessment and Developing an Educational Intervention for Ambulatory Care Providers in Caring for Sepsis and Intensive-Care Unit (ICU) Survivors and Caregivers." Principle investigator. IRB exempt. 2019.
25. *Rima A. Mohammad, Jakob McSparron, Deena Costa, Antoinette Coe, Hallie Prescott, Amy Thompson, Mari Pitcher, Chinwe Eze, Theodore Iwashyna.* "Post Intensive Care Unit (ICU) Longitudinal Survivor Experience [PULSE] Clinic: Evaluation of An Interprofessional Approach to Providing Care to Intensive Care Unit Survivors and Caregivers." Principle investigator. IRB approved. 2019.
26. *Rima A. Mohammad, Erick Leung**, Michael Kraft, Gregory Eschenauer. "Impact of traditional versus virtual simulation education for pharmacists on aminoglycoside pharmacokinetic dosing and monitoring." Principle investigator. IRB approved. 2019.

PUBLICATIONS

PEER-REVIEWED ARTICLES

1. *Mohammad RA, Klein KC.* Inhaled amphotericin B for prophylaxis against invasive Aspergillus infections. Ann Pharmacother. 2006 Dec;40(12):2148-54.
2. *Mohammad RA, Sweet BS, Mueller B, Perlman R, Stevenson JG.* Outcomes of an erythropoietic growth factor interchange program in hospitalized chronic hemodialysis patients. Hosp Pharm. 2007;42(2):119-25.
3. *Btaiche IF, Mohammad RA, Alaniz C, Mueller BA.* Amino acid requirements in critically ill acute kidney injury patients treated with continuous renal replacement therapy. Pharmacotherapy. 2008;28(5):600-613.
4. *Alaniz C, Mohammad RA, Welage L.* Does continuous pantoprazole infusion combined with octreotide improve the management of variceal hemorrhage? Pharmacotherapy. 2009;29(3):248-254.
5. *Airee A, Guirguis AB, Mohammad RA.* Clinical outcomes and pharmacists' acceptance of a community hospital's anticoagulation management service utilizing decentralized clinical staff pharmacists. Ann Pharmacother. 2009;43(4):621-628.

6. Blair MM, Freitag RT, Keller DL, Kiser TH, Marrs JC, McGivney MS, *Mohammad RA*, Twedt EL. ACCP white paper: proposed revision to the existing specialty and specialist certification framework for pharmacy practitioners. Pharmacotherapy. 2009;29(2):3e-13e.
7. Corman SL, *Mohammad RA*. Eltrombopag: A novel oral thrombopoietin receptor agonist. Ann Pharmacother. 2010;44:1072-1079.
8. *Mohammad RA*. Use of granulocyte colony-stimulating factor in critically ill patients with severe sepsis and septic shock. Am J Health Syst Pharm. 2010;67:1238-45.
9. Alaniz C, *Mohammad RA*, Welage LS. High-dose proton pump inhibitors in patients with variceal hemorrhage. Arch Intern Med. 2010;170(18):1698.
10. *Mohammad RA*, Goldberg T, Dorsch MP, Cheng JWM. Antiplatelet therapy after drug-eluting stent placement. Clin Ther. 2010;32(14):2265-81.
11. Kim JJ**, Culley CM, *Mohammad RA*. Telaprevir: A novel oral protease inhibitor for hepatitis C virus infection. Am J Health Syst Pharm. 2012;69:19-33.
12. *Mohammad RA*, Regal R, Alaniz C. Combination therapy for the treatment and prevention of hepatic encephalopathy. Ann Pharmacother. 2012 Nov;46(11):1559-63.
13. American College of Clinical Pharmacy (ACCP), Kirwin J, Canales AE, Bentley ML, Bungay K, Chan T, Dobson E, Holder RM, Johnson D, Lilliston A, *Mohammad RA*, Spinler SA. ACCP white paper: process indicators of quality pharmacist services in various types of transitions of care. Pharmacotherapy. 2012 Nov;32(11):e338-47.
14. Kim JJ**, *Mohammad RA*, Coley KC, Donihi AC. Use of an iPad to provide warfarin video education to hospitalized patients. Journal Patient Saf. 2014 Feb 11. [Epub ahead of print]
15. Smith MA**, Johnson HJ, Chopra KB, Dunn MA, Ulrich AM, *Mohammad RA*. Incidence and management of rash in telaprevir-treated patients: lessons for simeprevir? Ann Pharmacother. 2014 Jun 17;48(9):1166-1171.
16. Smith MA**, *Mohammad RA*, Benedict N. Use of virtual patients to promote active, patient-centered learning in an advanced pharmacy therapeutics course. Am J Pharm Educ. 2014; 78 (6) Article 125.
17. Smith MA, *Mohammad RA*. Vedolizumab: a $\alpha 4\beta 7$ integrin inhibitor for inflammatory bowel diseases. Ann Pharmacother. 2014 Dec;48(12):1629-1635.
18. *Mohammad RA*, Bulloch MN, Chan J, Love B, Smith L, Deming P. ACCP infectious disease and gastrointestinal, liver, and nutrition practice and research network opinion paper: pharmacy services focused in the area of hepatitis C viral infections. Pharmacotherapy. 2014 Dec;34(12):1341-54.

19. Smith MA, Chan J, *Mohammad RA*. Ledipasvir-sofosbuvir: interferon-/ribavirin-free regimen for chronic hepatitis C virus infection. Ann Pharmacother. 2015 Mar;49(3):343-350.
20. Smith MA, *Mohammad RA*. Invited commentary: Ledipasvir and sofosbuvir for hepatitis C genotype 4: a proof of concept phase 2a cohort study. Lancet Infect Dis. 2015 Sep;15(9):993-5
21. Smith MA, Love BL, *Mohammad RA*. The changing landscape of adverse drug events associated with chronic hepatitis C virus therapy. Expert Opin Drug Saf. 2015 Nov;14(11):1649-52.
22. Smith MA, Regal RE, *Mohammad RA*. Daclatasvir: A NS5A replication complex inhibitor for hepatitis C infection. Ann Pharmacother. 2016 Jan;50(1):39-46.
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2. Reviewer. Pharmacogenetics of Hepatitis C Treatment. In: ACCP Pharmacogenomics, 3rd ed.
3. Reviewer. Viral Hepatitis. In: Pharmacotherapy Principles & Practice, 5th ed.
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NON-REFEREED PUBLICATIONS

1. Pharmacy and Therapeutics Committee Formulary review: Telaprevir. (Incivik®). UPMC Health System. 2011
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GRANTS

2019	Impact of Traditional Versus Virtual Simulation Education for Pharmacists on Aminoglycoside Pharmacokinetic Dosing and Monitoring. University of Michigan Center for Research on Learning and Teaching (CRLT) Grant. Principle Investigator. \$500. Funded.
2019 - 2020	Post Intensive Care Unit (ICU) Longitudinal Survivor Experience [PULSE] Clinic: Evaluation of An Interprofessional Approach to Providing Care to Intensive Care Unit Survivors and Caregivers. University of Michigan Health Sciences Council. Principle Investigator. \$60,000. Funded.
2010 - 2012	Collaborating and Advancing Relationships: Pharmacist Advocates in Care Transitions (CARE PACT). Jewish Healthcare Foundation. Co-Investigator. \$93,000. Funded.