

# **Nazia Naz S. Khan, M.D., M.S. FACP**

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## **EDUCATION**

**Masters in Science in Clinical Research Design and Statistical Analysis (M.S. CRDSA)**  
**University of Michigan, Ann Arbor, MI**  
Oct 2011- Apr 2013

**Bachelor of Medicine and Bachelor of Surgery (M.B.B.S)**  
**Sindh Medical College, Pakistan**  
Jan 2000 – Jul 2005

## **POST GRADUATE TRAINING**

**RESIDENCY (Categorical)**  
**Wayne State University, Detroit, MI**  
Jul 2008 to Jul 2011

**CLINICAL EXTERNSHIP**  
**Hypertension Clinic - Wayne State University, Detroit, MI**  
Supervisor: Dr. John M. Flack, MD, MPH (Chairman of Dept. of Internal Medicine)  
Nov 2007- Jun 2008

**INTERNSHIP**  
**Dept. of Psychiatry - Jinnah Post-Graduate Medical Center (JPMC), Karachi, Pakistan**  
Supervisor: Dr. Musarrat Hussain, MBBS, MCPS, MD  
Associate Professor, Neuropsychiatry and Addictionology, Jinnah Post Graduate Medical Center,  
Karachi, Pakistan.  
Mar 2006

**Dept. of Neurology - Jinnah Post-Graduate Medical Center (JPMC), Karachi, Pakistan**  
Supervisor: Dr. Shaukat Ali, MBBS, FCPS in Neurology  
Associate Professor & Head of Neurology, Jinnah Post Graduate Medical Center, Karachi,  
Pakistan.  
Sept 2005- Feb 2006

## **ACADEMIC APPOINTMENTS**

**Associate Professor, Dept. of Medicine, Michigan State University, East Lansing, MI**

July 2019 – Present

**Associate Program Director, Internal Medicine Residency Program, Michigan State University, East Lansing, MI**

Oct 2014 – Present

**Assistant Professor, Dept. of Medicine, Michigan State University, East Lansing, MI**

Oct 2014 – June 2019

**Clinical Assistant Professor, Dept. of Medicine, Michigan State University, East Lansing, MI**

Dec 2013 – Oct 2014

**Clinical Instructor, Dept. of Medicine, Wayne State University Physician Group, Detroit, MI**

Aug 2011 - Jan 2013

## **FACULTY APPOINTMENTS**

Hospitalist, Spectrum Health Medical Group, Grand Rapids, MI

Dec 2013 – Oct 2014

IPC Hospitalist, Spectrum Health Hospital, Grand Rapids, MI

May 2013 – Nov 2013

Academic Hospitalist, Dept. of Medicine, Wayne State University Physician Group, Detroit, MI

Aug 2011 – Jan 2013

## **EDUCATIONAL ACTIVITIES**

### **Michigan State University Internal Medicine Residency**

**Director, Research and Clinical Investigation Rotation**

July 2016 – Present

**Director, Evidence Based Medicine, Journal Club**

Jan 2015 – Present

**Site lead, multi-center SHM I-PASS Handoffs mentored implementation project**

Mar 2016 – Aug 2017

**Residents and Medical Students Teaching** during morning report, designated sessions, clinical rounds and bedside teaching

Oct 2014 – Present

**Senior editor and project supervisor, Michigan State University®  
Internal Medicine Residency Wards Handbook, Second Edition, 2019**

**Senior editor and project supervisor, MSU Internal Medicine Residency Survival Guide, 2017**

**Instructor, Advanced Cardiac Life Support/Mock Code**

Oct 2015 – Present

**Lecturer, I-PASS Handoffs Front-line Providers Workshop**

August 15, 2019

Jul 26 and Aug 2, 2018

Jul 27 and Sept 21, 2017

Jul 21 and Aug 25, 2016

**Lecturer, Basics of Statistics**

Jul 19, 2018

Jul 13, 2017

**Lecturer, Basics of Statistics and Epidemiology**

Aug 4, 2016

### **Faculty Development**

**Presenter, I-PASS Handoffs Champions Workshop**

Sep 30, 2016

### **College of Human Medicine – Preclinical**

**Preceptor – HM 554, 555 & 556 – Middle Clinical Experience** (second year medical students),

Clinical Skills Teaching and Simulation

July 2017 – Present

**Progress Clinical Skills Exam (PCSE) Grader-HM 553**

July 2018 – Present

**Progress Clinical Skills Exam (PCSE) Development-HM 553**

July 2017 – Nov 2018

**Preceptor – HM 555 & 556 – Middle Clinical Experience** (second year medical students),

Clinical Skills Teaching/Large Group Activity

July 2017 – December 2017 – HM 555

January 2018 – May 2018 – HM 556

**Preceptor - HM 553 & 554 – Epidemiology and Evidence-Based Medicine Intersession**

March 2017 – April 2017

**Preceptor -Epidemiology 547** for second year medical students, Michigan State University  
College of Human Medicine, East Lansing, MI  
Oct 2014 – Dec 2016

**Instructor - Blood Interest Group Instructor** – Student elective, Michigan State University  
College of Human Medicine, East Lansing, MI  
Jan 2015 – May 2015

**Preceptor -HM 525 Pulmonary domains** – for medical students, Michigan State University  
College of Human Medicine, East Lansing, MI  
Feb 2016

**Preceptor - HM535 Pulmonary Exam Teaching** for second year medical students, Michigan  
State University College of Human Medicine, East Lansing, MI  
Feb 2015, Feb 2016, Feb 2017

**Preceptor - HM532 Physical Exam Teaching Preceptor** for first year medical students,  
Michigan State University College of Human Medicine, East Lansing, MI  
Feb- Mar 2016

**Preceptor - MED608 Standardized Patient Workshop** for block III medical students,  
Michigan State University College of Human Medicine, East Lansing, MI  
Jan 29, 2016/ Sept 23, 2016/ Nov 18, 2016/ Mar 24, 2017/ Sept 22, 2017/ Nov 17, 2017

**Preceptor – HM516 Disorders of Thought, Emotion, and Behavior Domain**  
Nov 2014- Dec 2014

## RESEARCH

### GRANTS AWARDED

**Go4Life as a Means of Increasing Physical Activity (Go4Life Study)**

**Role: Principal Investigator**

Amount: approx. \$5,000

Funding agency: Graduate Medical Education Inc. (GMEI)

Status: FUNDED, August 2, 2019

**App-Based Intervention To Improve Positive Airway Pressure (PAP) Adherence In Sleep  
Apnea Via Care Circles**

**Role: Principal Investigator**

Amount: \$10,000

Funding agency: Seed Funding, Department of Medicine, Michigan Sate University

Status: FUNDED, April 2019-April 2020

**Caring for Patients with Chronic Conditions (CPCC)**

**Role: Co- Investigator**

Amount: 10 % effort

Funding agency: Michigan Health Endowment Fund's Healthy Aging Initiative

Status: FUNDED, January 2019-December 2021

**Improving Continuous Positive Airway Pressure Adherence in patients with Obstructive Sleep Apnea: Impact of Patient and Family Engagement (Improving CPAP Adherence Program/ ICAP Study)**

**Role: Principal Investigator**

Amount: \$50,000

Funding agency: MSU-Sparrow Center for Innovation and Research

Status: FUNDED, March 10, 2016

**Disseminating Safe Handoffs: Mentored Implementation of I-PASS for Better Handoffs and Safer Care**

Funding agency: AHRQ 1R18HS023291 (PI Landrigan)

*Role: Site Lead*

**2014-2018**

## PUBLICATIONS

### ARTICLES

Aluko A, Enofe I, Burch J, Yam J, **Khan N**. Hepatocellular Glycogen Accumulation in the Setting of Poorly Controlled Type 1 Diabetes Mellitus: Case Report and Review of the Literature. *Case Reports Hepatol.* 2020 Feb 17;2020:9368348. doi: 10.1155/2020/9368348. eCollection 2020. PMID: [PMC7048907](#) PMID: [32128265](#)

**Khan NNS**, Olomu AB, Bottu S, Roller MR, Smith RC. Semi -structured motivational interviews of patients and caregivers to improve CPAP adherence: a qualitative analysis. *J Clin Sleep Med.* 2019; 15 (12): 1721-1730. doi: 10.5664/jcsm.8070. Epub 2019 Oct 30. PMID: 31662178

**Khan NNS**, Kelly-Blake K, Luo Z, Olomu A. Sex Differences in Statin Prescribing in Diabetic and Heart Disease Patients in FQHCs: A Comparison of the ATPIII and 2013 ACC/AHA Cholesterol Guidelines. *Health Services Research and Managerial Epidemiology.* 2019; 6:2333392818825414. <https://doi.org/10.1177/2333392818825414>. PMC6404057

Manoj R, Bedi P, Marinas E, **Khan N**. Angioimmunoblastic T-cell lymphoma (AITL): a rare subtype of peripheral T-cell lymphoma (PTCL). *Clin Case Rep.* 2018 Apr; 6(4): 750–752. doi: 10.1002/ccr3.1388. PMID: PMC5889216

Olomu A, **Khan NN**, Todem D, Huang Q, Kumar E, Holmes-Rovner M. The Office Guidelines Applied to Practice program improves secondary prevention of heart disease in Federally Qualified Healthcare Centers. *Prev Med Rep.* 2016 Jun 29;4:357-63. doi: 10.1016/j.pmedr.2016.06.020. eCollection 2016. PMID: PMC4976138

Olomu A, **Khan NN**, Todem D, Huang Q, Bottu S, Qadri S, Holmes-Rovner M. Blood Pressure Control in Diabetic and Non-diabetic Hypertensive patients in Federally Qualified Health Centers: Impact of Shared Decision Making in the Office-GAP Program. MDM Policy & Practice. 2016 Jan 1;1(1):2381468316656010. PMID: PMC6125053

**Khan N**, Nabeel M, Nan B, Ghali JK. Chloride depletion alkalosis as a predictor of in-hospital mortality in patients with decompensated heart failure. *Cardiology* 2015;131(3):151-159. doi: 10.1159/000377669. PMID: 25967111

**KHAN NNS**, Namas R, Sperbeck SJ, Sagar H. Bilateral Knee Synovial Osteochondromatosis: A Case Report. *Arch Rheumatol* 2014;29(3):215-218. doi: 10.5606/ArchRheumatol.2014.3911

**Khan NN**, Badr S. Deep Venous Thrombosis attributed to Sleep Apnea. *Am J Med* 2013; 126:e21. doi: 10.1016/j.amjmed.2013.01.027. PMID: 23885685

Zmily H, **Khan N**, Daifallah S, Ghali J. The Potential Role of Lixivaptan in Heart Failure and in Hyponatremia. *Expert Opin Investig drugs* 20: 831-48, 2011. PMID: 21548825

## **ABSTRACTS**

**Khan NNS**, Olomu A, Bottu S, Roller M, Smith R. The OSa Patient and Caregiver Experience of PAP. A Qualitative Analysis Of One-On-Two Semistructured Motivational Interviews. (Control ID #3185019). *J Gen Intern Med* (2019) 34(Suppl 2): 99-867 (S 381). <https://doi.org/10.1007/s11606-019-05007-5> PMID: 31090026 PMID: [PMC6582171](https://pubmed.ncbi.nlm.nih.gov/31090026/)

**Khan, NNS**, Olomu A, Bottu S, Najafkouchak A, Todem D, Badr S. Does Patient And Family Engagement Improve Positive Airway Pressure Use In Patients With Obstructive Sleep Apnea? A Randomized Controlled Trial. *SLEEP*, Volume 42, Abstract Supplement, 2019 (A205) [https://sleepmeeting.org/wp-content/uploads/2019/04/SLEEP\\_42\\_S1-Website-Final.pdf](https://sleepmeeting.org/wp-content/uploads/2019/04/SLEEP_42_S1-Website-Final.pdf)

Enofe I, Edo-Osagie E, Aluko A, **Khan N**. Epidemiology Of Hepatitis A Vaccination Amongst Illicit Drug Users In The United States. *Gastroenterology* (May 2019), Volume 156, Issue 6, S-1207. DOI: [https://doi.org/10.1016/S0016-5085\(19\)40002-4](https://doi.org/10.1016/S0016-5085(19)40002-4)

Enofe I, Rai M, Nemaakayala D, Tatineni S, Aluko A, Bendi P, Yam J, **Khan N**, Laird-Fick H. Hospitalization cost and length of stay in pancreatic cancer population: A national inpatient database study. *J Clin Oncol* 2019; 37:suppl; abstr e15793 DOI: 10.1200/JCO.2019.37.15\_suppl.e15793

Olomu A, **Khan NN**, Kelly-Blake K, Kavuturu S, Luo Z. Are there gender-based differences in prescribing statins in Federally Qualified Health Care Centers? Evidence from Office-Guidelines Applied to Practice (Office-GAP). *J GEN INTERN MED* (2016) 31: 325. doi:10.1007/s11606-016-3657-7

Olomu A, **Khan NN**, Todem D; Bottu S; Quadri S; Holmes-Rovner M. Patient Engagement Program Led to Improved Evidence-based Medication Use in Diabetic and Heart Disease patients in Federally Qualified Health Centers: The Office Guidelines Applied to Practice Program. J GEN INTERN MED (2016) 31: 124. doi:10.1007/s11606-016-3657-7

## ORAL PRESENTATIONS

### NATIONAL MEETINGS

**Khan N**, Olomu A, Bottu S, Najafkouchak A, Todem D, Badr S. Does Patient And Family Engagement Improve Positive Airway Pressure Use In Patients With Obstructive Sleep Apnea? A Randomized Controlled Trial

–Presented at the **Sleep 2019 Annual Meeting, St. Antonio, TX, June 10<sup>th</sup>, 2019**

Enofe I, Edo-Osagie E, Aluko A, **Khan N**. Epidemiology Of Hepatitis A Vaccination Amongst Illicit Drug Users In The United States,

–Presented at the **Digestive Disease Week® (DDW), San Diego, CA, May 20, 2019**

Starmer A, O'Toole J, Spector N, West D, Sectish T, Schnipper J, Srivastava R, Goldstein J, Campos M, Howell E, Landrigan C, **SHM I-PASS Study Group**. Mentored Implementation of the I-PASS Handoff Program in Diverse Clinical Environments –

Presented at **The 22nd Institute for Healthcare Improvement (IHI) Scientific Symposium, Orlando, FL, December 5<sup>th</sup>, 2016**

A.B. Olomu, **N.S. KHAN**, D. Todem, Q. Huang, S. Bottu, S. Quadri, M. Holmes-Rovner. Patient Engagement Program Led to Improved Evidence-based Medication Use in Diabetic and Heart Disease patients in Federally Qualified Health Centers: The Office Guidelines Applied to Practice Program

–Presented at **The 2016 SGIM Annual Meeting, Hollywood, FL, May 12th, 2016**

A.B. Olomu, **N.S. KHAN**, D. Todem, Q. Huang, S. Bottu, M. Holmes-Rovner. Shared Decision-making Program led to improved rates of Blood Pressure Control in Federally Qualified Health Centers: The Office-Guideline Applied to Practice (OFFICE-GAP) Program

– Presented at **The 37<sup>th</sup> Annual Meeting of Society for Medical Decision Making, St. Louis, MO, October 19th, 2015**

### REGIONAL MEETING

A.B. Olomu, **N.S. KHAN**, D. Todem, Q. Huang, S. Bottu, S. Quadri, M. Holmes-Rovner. Patient Engagement Program Led to Improved Evidence-based Medication Use in Diabetic and Heart Disease patients in Federally Qualified Health Centers: The Office Guidelines Applied to Practice Program.

– Presented at **Society of General Internal Medicine 2015 Midwest Regional Meeting, Cleveland, OH, August 27-28th, 2015**

Cooke G, Haq F, Das Kathryn, **Khan NN**. Impact of financial incentives on residents' performance.

- Presented at **ACP Residents Day, Sterling Heights, May 4, 2018**

## **LOCAL**

### **Journal Club Presentation -Dept. of Rheumatology, Wayne State University, 2010**

Article presented “Efficacy and Tolerability of Rituximab with or without PEGylated Interferon Alfa-2B plus Ribavirin in Severe Hepatitis C virus-Related Vasculitis: a long-term follow-up study of thirty-two patients” by Terrier B, Saadoun D, et al.(2009), *Arthritis & Rheumatism*, 60: 2531-2540.

## **POSTER PRESENTATIONS**

### **NATIONAL MEETING**

Al-abcha, Shah S, Kherallah S, Wang L, **Khan NNS**. Delirium and mortality in non-intubated intensive care unit patients with septic shock; A retrospective cohort study

- presented at the **American Thoracic Society, 2020**
- [https://doi.org/10.1164/ajrccm-conference.2020.201.1\\_MeetingAbstracts.A3593](https://doi.org/10.1164/ajrccm-conference.2020.201.1_MeetingAbstracts.A3593)

**Khan NNS**, Olomu A. B, Bottu S, Najafkouchak A, Todem D, Badr S. Does Patient And Family Engagement Improve Positive Airway Pressure Use In Patients With Obstructive Sleep Apnea? A Randomized Controlled Trial”

- presented at the **Sleep 2019 Annual Meeting, St. Antonio, TX, June 10<sup>th</sup>, 2019**

**Khan NNS**, Olomu AB, Bottu S, Roller M, Smith R. The OSA Patient and Caregiver Experience of PAP. A Qualitative Analysis of One-On-Two Semi-Structured Motivational Interviews

- presented at the **2019 SGIM Annual Meeting, Washington DC, May 11, 2019**

**Khan NNS**, Kelly-Blake K, Chahal G, Kandola S, Luo Z, Olomu A.B. Are all patients in Federally Qualified Health Centers equally ready to use Health Information Technology? – presented at the **2017 SGIM Annual Meeting, April 19-22, 2017 in Washington, DC**

Olomu A.B, **Khan NNS**, Kelly-Blake K., Kavuturu S, Luo Z. Are there Gender-based differences in prescribing Statins in Federally Qualified Health care Centers? Evidence from Office-Guidelines Applied to Practice (Office-GAP) – presented at the **2016 SGIM Annual Meeting, Hollywood, FL, May 12th, 2016** (Poster listed was among the top 10 women's health posters)

### **REGIONAL MEETING**

Yam J, **Khan NNS**. Splenic Hematoma after Colonoscopy. **American College of Physicians Residents Day, Troy, May 2015.**

Yam J, **Khan NNS**. Splenic Hematoma after Colonoscopy. Mid-Michigan Regional Research Day **American College of Physicians Residents Day, East Lansing, April 2015.**

**Khan NNS**, Bourbonnais J. Streptococcus pyogenes Myositis: A Case Report. **American College of Physicians Spring Meeting, Traverse City, July 2009.**



**Khan NNS, Bourbonnais J. Streptococcus pyogenes Myositis: A Case Report. Wayne State University Annual Research Day, June 2009.**

### **INVITED/CME PRESENTATIONS**

**“Obstructive Sleep Apnea and Cardiovascular Disease”**

Presented at MSU Department of Medicine Grand Rounds on April 2, 2019

**“Improving Continuous Positive Airway Pressure Adherence in patients with Obstructive Sleep Apnea: Impact of Patient and Family Engagement”**

Presented at MSU Department of Medicine Research Forum on Feb 6, 2019

**“Less Is More – Hospital Medicine”**

Presented at MSU Department of Medicine Grand Rounds on March 6, 2018

Member in a panel discussion, **“Diversity at work place,”** Orientation session for residents and fellows, Wayne State University. June 2010.

### **OTHER RESEARCH EXPERIENCE**

**RESEARCH ASSISTANT**

Department of Internal Medicine; Wayne State University

Supervisor: Dr. John M. Flack, MD, MPH, Professor & Chair, Dept. of Internal Medicine, Wayne State University, Detroit, Michigan

July 2007 – Dec 2007

Department of Emergency Medicine; Wayne State University

Supervisor: Dr. Robert Welch, Dr. Robert Sherwin, Professor & Chair, Dept. of Emergency Medicine, Wayne State University, Detroit, MI

Aug 2007- Dec 2007

**ELECTIVE RESEARCH STUDENT**

Department of Family Medicine; Aga Khan University Hospital

Supervisor: Dr. Raheem Dhanani, Associate Professor, Dept. of Family Medicine, The Aga Khan University, Pakistan

July 2005

### **COMMITTEE INVOLVEMENT**

**MICHIGAN STATE UNIVERSITY**

Alternate member, Michigan State University Biomedical and Health Institutional Review Board

Nov 2016 – Aug 2019

**COLLEGE OF HUMAN MEDICINE**

Member, Student Competence Committee

August 16, 2016 - Present

Member, Grievance/Complaint Hearing Panel

Jan 2016 – Dec 2018

**DEPARTMENT OF MEDICINE**

Member, Peer Review Committee

May 2017 – October 2018

**INTERNAL MEDICINE RESIDENCY**

Chair, Clinical Competency Committee, Internal Medicine Residency Program, Michigan State University, East Lansing, MI

July 2015 – Present

Member, Teaching and Evaluation Committee, Internal Medicine Residency Program, Michigan State University, East Lansing, MI

Oct 2014 – Present

Member, Key Faculty Committee, Internal Medicine Residency Program, Michigan State University, East Lansing, MI

Oct 2014 – Present

Member, Adult Emergency Response Committee, Sparrow Hospital, Lansing, MI

Nov 2014 – June 2017

Member, Clinical Competency Committee, Internal Medicine Residency Program, Michigan State University, East Lansing, MI

Oct 2014 – June 2015

Member, Resident Council, Elected Member, Dept. of Internal Medicine, Wayne State University  
2010 – 2011

**NATIONAL**

Member, Alliance for Academic Internal Medicine Health Policy Committee

July 1, 2016 – August 31, 2017 (dissolved)

**PROFESSIONAL MEMBERSHIP AND ACTIVITIES**

Member, American Academy of Sleep Medicine

Reviewer, Journal of Primary Care and Community Health, February 2019

Fellow, American College of Physicians

\*Poster judge, ACP MI Chapter, October 20, 2017.

- \*Abstract reviewer, ACP Residents Day, May 5, 2017.
- \*Poster judge, ACP MI Chapter, September 30, 2016.
- \*Abstract reviewer, ACP Residents Day, April 29, 2016.
- \*Poster judge, ACP MI Chapter, September 25, 2015.
- \*Poster judge, ACP Residents Day, May 22, 2015.
- \*Abstract reviewer, ACP Residents Day, May 22 2015.

Member, Society of General Internal Medicine

- \*Abstract reviewer for Workshops, 2019 SGIM Midwest regional Meeting, 2019.
- \*Abstract reviewer, SGIM 18<sup>th</sup> Annual Meeting, 2018.
- \*Abstract reviewer, SGIM 17<sup>th</sup> Annual Meeting, 2017.
- \*Abstract reviewer, SGIM 16<sup>th</sup> Annual Meeting, 2016.

Poster Judge, Mid-Michigan Research Day, April 14<sup>th</sup>, 2016

Member, Association of Program Directors in Internal Medicine, 2014 -Present

Member, Society of Hospital Medicine, 2013 -2015

Member, American Medical Association, 2014-2015

### **MEDICAL LICENSURE**

Drug Enforcement Agency License - Active

Permanent Physician License, State of Michigan - Active

Controlled Substance License, State of Michigan - Active

### **CERTIFICATION**

American Board of Internal Medicine – Board certified on Aug. 24, 2011. Expires on Dec, 31, 2021.

Basic Life Support Provider certification –07/2008 to 11/2015

Advanced Cardiac Life Support Core Provider certification – 07/2008 to 11/2015

Educational Commission for Foreign Medical Graduates – certified on Nov. 27, 2007

United State Medical Licensing Exam Step 3: August 2010

Step 2 CS: April 2007

Step 2 CK: October 2007

Step 1: December 2006

### **CONTINUING MEDICAL EDUCATION AND FACULTY DEVELOPMENT**

- 2019 SGIM Annual meeting, May 12-13, Hollywood, Florida\
- Alliance for Academic Internal Medicine (APDIM) 2018 Fall Meeting – October 26-October 27, 2018, Orlando, Fl
- The Iceman’s Run: Advanced NIH Grantsmanship and Personal Coaching Program – March 1 - May 10, 2018, East Lansing, MI
- ACP MI Chapter meeting – October 20-October 22, 2017, Traverse City, MI
- Developing Faculty Competencies in Assessment: A Course to Achieve the

- Goals of Competency-based Medical Education (CBME) - October 30–November 4, 2016, Chicago, IL
- 2016 ACP MI Chapter meeting – September 29-October 2, Traverse City, MI
- 2016 SGIM Annual meeting, May 12-13, Hollywood, Florida
- 2016 American College of Physicians (ACP) National meeting –May 3-7, Washington, DC
- Michigan delegate at the ACP leadership Day 2016 at Capital Hill in Washington, DC.
- 2016 AAIM APDIM Spring Conference, April 19-20, Las Vegas
- Women in SMDM (Society for Medical Decision Making): Advancing Careers, Impact and Happiness –Oct 18th, 2015, St. Louis, MO
- 37th Annual Meeting of the Society for Medical Decision Making- Oct 19th, 2015, St. Louis, MO
- 2015 AAIM Women in Medicine Leadership Development Forum – Oct 8th 2015, Atlanta, GA
- 2015 APDIM Fall Meeting - Oct 9-10th 2015, Atlanta, GA
- Michigan Chapter-ACP Annual Fall Scientific Meeting – Sep 25-27th 2015, Traverse City, MI
- 2015 APDIM Program Administrators Meeting – April 26<sup>th</sup>, 27<sup>th</sup> 2015 Houston, Texas
- 2015 APDIM Spring Meeting - April 28<sup>th</sup> 2015, Houston, Texas
- The American Association for Physician Leadership: Successful Failure, course attended at Spectrum Health, Grand Rapids - May 2014
- The American Association for Physician Leadership: Three Faces of Quality, course attended at Spectrum Health, Grand Rapids – Feb 2014

### **AWARDS AND RECOGNITION**

- Research Teacher of the Year, MSU Internal Medicine Residency Program, June, 2020.
- Inducted into the Michigan State University Gamma Chapter of Alpha Omega Alpha (AWA) Honor Medical Society, September, 2018
- Research Teacher of the Year, MSU Internal Medicine Residency Program, July, 2015.
- WOW! Recognition for teamwork and integrity at Spectrum Health Medical Group, June 2014.
- Second Prize winner, Intercollegiate Science Exhibition in Biology, Board of Intermediate Karachi, Pakistan. January 1999.