

## Sarwan Kumar, M.D.

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### Faculty Appointments

#### Faculty Appointments at Wayne State

10/2013 - Present Assistant Professor (Teaching), FTA, School of Medicine, Department of Internal Medicine  
09/2012 - 10/2013 Clinical Assistant Professor, School of Medicine, Department of Internal Medicine  
07/2011 - 09/2012 Clinical Instructor, FTA, School of Medicine, Department of Internal Medicine (Primary)

#### Faculty Appointments at Other Institutions

07/2013 - Present Clinical Assistant Professor, Internal Medicine, American University of Caribbean, Sint Maarten  
07/2013 - Present Clinical Assistant Professor, Internal Medicine, University of Medicine & Health sciences, Saint Kitts and Nevis

### Hospital or Other Professional Appointments

07/2019 - Present Member APRH physician Credentialing committee, Ascension Providence Rochester Hospital  
07/2018 - Present Member of Professional Analysis Committee /PEER review committee, Ascension Providence Rochester Hospital  
07/2017 - Present Medical Director Academic Internal Medicine Clinic, Ascension Medical Group  
07/2017 - Present Medical Student Site Director, Internal Medicine, UMHS and AUC school of Medicine  
07/2017 - Present Rapid response Physician Incharge, Ascension Providence Rochester Hospital  
07/2017 - Present Quality & Patient Safety Committee, Ascension Providence Rochester Hospital  
05/2017 - Present Program Director Internal Medicine Residency program, Internal Medicine, Wayne State University, Rochester, MI, United States of America  
07/2014 - Present Co-Chairman Code Blue and Rapid Response Committee, Internal Medicine, Ascension Providence Rochester Hospital, Rochester  
10/2013 - 05/2017 Associate Program Director, Internal Medicine, Wayne state university, Rochester  
01/2012 - 12/2018 EMR Committee, member, Ascension Providence Rochester Hospital

### Education

#### Education

06/1998 - 07/2003 M.B.B.S.  
Sindh Medical College, Karachi, Pakistan

#### Postgraduate Training

07/2009 - 06/2011 Residency (Wayne state University/Detroit Medical Center), Internal Medicine  
Wayne State University, Detroit, MI  
07/2008 - 06/2009 Internship (Wayne State Medical University/DMC), Internal Medicine  
Wayne State University, Detroit

## **Professional License**

07/2011 - 02/2024 Medical, License # 4301091839, State of Michigan, United States of America (Active)  
07/2011 - 02/2024 Controlled Substance, License # 5315048741, State of Michigan, United States of America (Active)

## **Board Certification**

07/2023 Internal Medicine, Certification # 325137 (Active)

## **Professional Society Memberships**

07/2021 - Present Society of Hospital Medicine  
07/2017 - Present AAIM  
07/2012 - Present SEMCME  
07/2011 - Present American Medical Association  
07/2008 - Present American College of Physician

## **Honors / Awards**

2016 Best Teaching Award, WSU/Crittenton Internal Medicine Residency Program  
2014 Best Teaching Award, WSU/Crittenton Internal Medicine Residency program  
2013 Best Teaching Award, WSU/Crittenton Internal Medicine Residency program  
2012 Best Teaching Award, WSU/Crittenton Internal Medicine Residency program

## **Teaching**

### **Teaching at Wayne State University**

#### **Multiple Learners**

07/2020 - Present Updates in management of Peri-operative medicine, Didactic / Traditional Course Teaching

#### **Trainee (Resident / Fellow / Intern)**

10/2020 - Present Pain Management- Resident Pitfalls, Didactic / Traditional Course Teaching  
08/2020 - Present updates in Hypertension, Lectures  
08/2018 - Present PRN medication use in Hospital, Didactic / Traditional Course Teaching, Lectures  
06/2017 - Present Administration of teaching, curriculum development, evaluation, etc, Program Director  
10/2016 - Present Internal Medicine Resident Interviews, Recruitment Interviews  
07/2015 - Present MKSAP Board review 1.Hematology 2.Oncology 3.Infectious disease, Lectures  
07/2015 - Present IM Journal Club (IM residents) Planning and facilitator, Facilitator  
07/2015 - Present workshop/Intern Re- orientation How to run rapid responses, Course Direction  
07/2015 - Present Intern Boot camp Inpatient and ambulatory 8 lectures, Didactic / Traditional Course Teaching, Lectures  
07/2014 - Present Intern Re- orientation How to run code blue workshop, Course Direction  
07/2012 - Present Resident Research /Quality improvement project and scholarly activities, Research Advisor / Mentor  
07/2012 - Present Resident Applicant Orientation, Presenter  
07/2011 - Present Faculty Attending Medicine Wards, Attending Physician - Bedside Rounding  
07/2011 - Present Resident Morning Report, Facilitator, Instructor

07/2011 - Present Supervise pt care by residents to pts. Use clinical setting to teach ambulatory internal medicine Residents, Preceptor

### **Teaching at Other Institutions**

#### **Medical Student**

07/2013 - Present University of Medicine and Health Sciences, Small group preceptor-- Ensured delivery of curriculum; moderated discussions, observed student's w standardized pts, Small Group Instruction

07/2013 - Present American University of the Caribbean School of Medicine, Small group preceptor-- Ensured delivery of curriculum; moderated discussions, observed student's w standardized pts, Small Group Instruction

### **Course or Curriculum Development**

07/2019 - Present A Process and score development to Monitor and Improve Scholarly Activity During Residency, Multiple Learners, Ascension Providence Rochester Hospital

07/2019 - Present Adapted a pain management standardized patient (SP) case involving opioid prescription for an Objective Structured Clinical Examination (OSCE) training activity., Trainee (Resident / Fellow / Intern), Wayne State University

07/2018 - Present Professionalism curriculum & Tracking tool development During Residency Training, Multiple Learners, Ascension Providence Rochester Hospital

07/2017 - Present Hospitalist Rotation Curriculum, Trainee (Resident / Fellow / Intern), Ascension Providence Rochester Hospital

07/2017 Development of Transition of Care OSCE, Trainee (Resident / Fellow / Intern), Wayne State University /APRH

### **Course Materials (Unpublished)**

2020 - Present Diversity During Recruitment At An Internal Medicine Residency Program.<https://www.medrxiv.org/content/10.1101/2020.09.01.20186221v2> is in pre print form, Multiple Learners, Wayne State University

### **Publications**

#### **Peer Reviewed**

**Key:** CV Holder, Corresponding Author<sup>^</sup>, Equal Contributor~, *Junior Faculty*, Student\*, Trainee

#### **Original Observations**

1. Heidi Kanaga et al<sup>^</sup>, Sarwan Kumar~. Using a Direct Observation Tool (TOC-CEX) to Standardize Transitions of Care by Residents at a Community Hospital. *Ochsner Journal*. 10/2021. PubMed PMID: 34984053. doi: <https://doi.org/10.31486/toj.20.0154>.
2. Heidi Kanaga et al<sup>^</sup>, Sarwan Kumar~. An Objective Structured Clinical Examination Case for Opioid Management: Standardized Patient Ratings of Communication Skills as a Predictor of Systems-Based Practice Scores. *Journal of patient centered research and reviews*. 07/2021. PubMed PMID: 34322579. doi: <https://doi.org/10.17294/2330-0698.1800>.
3. Jai Kumar et al\*, Sarwan Kumar. Antidiabetic drugs and non-alcoholic fatty liver disease: A systematic review, meta-analysis and evidence map. *Digestive and liver disease*. 01/2021. PubMed PMID: 32912770. doi: <https://doi.org/10.1016/j.dld.2020.08.021>.
4. Deepak Gupta <sup>^</sup>, Sarwan Kumar~. Intentional self harm associated mortality among U.S. White physicians, nurses, lawyers & judges. *Indian journal of community health*. 12/2020. doi: <http://dx.doi.org/10.47203/IJCH.2020.v32i04.029>.
5. Jacob Salman et al, Sarwan Kumar. Improving the use of intravenous antihypertensive medications in the hospital setting: a quality improvement initiative for patient safety. *BMJ open Quality*. 11/2019. doi: <http://dx.doi.org/10.1136/bmjopen-2019-000626>.

6. Deepak Gupta ^, Sarwan Kumar~. Celiac And Superior Mesenteric Arterial Calcifications Are Prevalent In Patients With Supratherapeutic International Normalized Ratio. Middle East journal of Anesthesiology. 10/2018.
7. Deepak Gupta ^, Sarwan Kumar~. Blister-packed levothyroxine sodium or bottle-packed levothyroxine sodium. Journal of basic and clinical physiology & pharmacology. 07/2018. PubMed PMID: 29949511. doi: <https://doi.org/10.1515/jbcp-2017-0166>.
8. Arham Barakzai et al, Sarwan Kumar. Reducing Unnecessary Testing: Ultrasound in Acute Kidney Injury. American Journal of Medical Quality. 07/2018. PubMed PMID: 29212342. doi: <https://doi.org/10.1177/1062860617744046>.
9. Deepak Gupta ^, Sarwan Kumar~. SPQ (Self Promoter Questionnaire) or Spec (Self Promotion Evaluator Collector). Middle East Journal of Anesthesiology. 10/2016. PubMed PMID: 29940094.
10. Kayoko Hayakawa et al, Sarwan Kumar. Growing prevalence of *Providencia stuartii* associated with the increased usage of colistin at a tertiary health care center. International journal of infectious disease. 09/2012. PubMed PMID: 22818111.
11. Kayoko Hayakawa et al, Sarwan Kumar. Comparison of the clinical characteristics and outcomes associated with vancomycin-resistant *Enterococcus faecalis* and vancomycin-resistant *E. faecium* bacteremia. Antimicrobial agents and chemotherapy. 02/2012. PubMed PMID: 31803850.

**Key:** CV Holder, Corresponding Author^, Equal Contributor~, *Junior Faculty*, Student\*, Trainee

### Case Reports

1. Mishita Goel et al, Sarwan Kumar. Clinical judgement in chest pain: a case report. Journal of case reports. 02/2021. PubMed PMID: PMID: 33557897. doi: <https://jmedicalcasereports.biomedcentral.com/articles/10.1186/s13256-021-02666-z>.
2. Sana Chams et al, Sarwan Kumar. Amoxicillin/clavulanic acid-induced pancreatitis: Case report. BMC gastroenterology. 08/2020. PubMed PMID: PMID: 30071846.
3. Sana chams Sarwan Kumar et al. Zumba-induced Takotsubo cardiomyopathy: a case report. Journal Of Medical Case reports. 06/2018. PubMed PMID: 29885664.
4. Farris Hannood et al, Sarwan Kumar. A Case of Hypoglycemia-induced QT Prolongation Leading to Torsade de Pointes and a Review of Pathophysiological Mechanisms. Clinics and practice. 06/2017. PubMed PMID: 28652909.
5. Faris Hannoodi et al, Sarwan Kumar. A Rare Case of *Fusobacterium Necrophorum* Liver Abscesses. Clinics and practice. 01/2017. PubMed PMID: 28243433.
6. Farris Hannoodi et al, Sarwan Kumar. *Streptococcus intermedius* Causing Necrotizing Pneumonia in an Immune Competent Female: A Case Report and Literature Review. Case reports in Pulmonology. 11/2016. PubMed PMID: 27891283.
7. Sonikpreet Aulakh et al, Sarwan Kumar. Case Report: Autoimmune Hemolytic Anemia with Venous Thromboembolism, a Common Complication of a Rare Disease. Blood Journal. 12/2014. doi: <https://doi.org/10.1182/blood.V124.21.4869.4869>.
8. Sonikpreet Aulakh et al, Sarwan Kumar. Case Report: Maggots' Infestation As a Predisposing Condition for Heparin-Induced Thrombocytopenia, a Newest Entity. Blood Journal. 12/2014. doi: <http://dx.doi.org/10.1182/blood.V124.21.5021.5021>.
9. Ziad Kanan et al, Sarwan Kumar. Guillain-Barré Syndrome following Treatment with Sunitinib Malate. Case Reports in Oncological diseases. 2014. PubMed PMID: 25018885.
10. Sarwan kumar. Apocrine carcinoma of the face in a 62-year-old Asian man. clinics and practice. 07/2011. PubMed PMID: 24765311.
11. Sarwan Kumar Lynn Carter. Giant cell tumor of soft tissue of hand: simple but rare diagnosis, which is often missed. Clinics and Practice. 07/2011. PubMed PMID: 24765315.
12. Sarwan Kumar Shiva Rau. Supratherapeutic international normalized ratio: an indicator of chronic malnutrition due to severely debilitating gastrointestinal disease. Clinics and practice. 05/2011. PubMed PMID: 24765283.
13. Sarwan Kumar Deepak Gupta. It can't be december already: a real life simile to Jeffery Archer's short story. Clinics and practice. 03/2011. PubMed PMID: 24765277.
14. Sarwan Kumar. Polysubstance abuse related subacute urinary retention and Hutch diverticulum of urinary bladder. Clinics and Practice. 03/2011. PubMed PMID: 24765281.

### **Editorials / Commentaries**

1. Sarwan kumar~, Deepak Gupta^. Is mandating pre-medical training widening disparities in the U.S. physician workforce?. kevinmd.com. 03/2023.
2. Deepak Gupta ^, Sarwan Kumar~. Equalizing the future of medical residencies: standardizing work hours and wages. kevinmd.com. 03/2023.
3. Deepak Gupta ^, Sarwan Kumar~. Balancing employee needs and fair pay during federal holidays. kevinmd.com. 01/2023.
4. Deepak Gupta ^, Sarwan Kumar~. The medical school selection process may be more crucial for shaping the future physician workforce. kevinmd.com. 01/2023.
5. Deepak Gupta ^, Sarwan Kumar~. Health care customers wonder, “To discriminate, or not to discriminate. kevinmd.com. 07/2022.
6. Deepak Gupta ^, Sarwan Kumar~. A full-time equivalent is 2,080 work hours annually. kevinmd.com. 03/2022.
7. Deepak Gupta S~, Sarwan Kumar^. SOAP to STEP: The new normal. Residency program Alert. 08/2020.
8. Deepak Gupta ~, Sarwan Kumar ^. The COVID-19 pandemic warrants the use of virtual tours and interviews. Residency program alert. 06/2020.
9. Sarwan Kumar^, Deepak Gupta~. Diversifying your GME program. Residency Program Alert. 04/2020.
10. Sarwan kumar , Deepak Gupta^. Don't surrender to fear. Residency program Alert. 11/2019.
11. Deepak Gupta ^, Sarwan Kumar~. A selfish existence: Modified iterated prisoner's dilemma. Residency Program Alert. 08/2019.
12. Deepak Gupta ^, Sarwan Kumar. Examining questions of overabundance and dearth in healthcare. Residency Program Alert. 04/2019.
13. Deepak Gupta^, Sarwan Kumar. Accreditation liability: Can we do without it?. Residency program Alert. 02/2019.
14. Sarwan Kumar ^, Deepak Gupta~. Can artificial intelligence do the job of the program director. Residency program Alert. 10/2018.
15. Deepak Gupta ^, Sarwan Kumar. Applying the Shastrarth method to modern education. Residency Program Alert. 04/2018.
16. Deepak Gupta ^, Sarwan Kumar. Using webinars to place medical didactics under one umbrella. Residency Program Alert. 02/2018.
17. Deepak Gupta, Sarwan Kumar^. Questions about the United States Medical Licensing Examination. Residency Program Alert. 06/2017.
18. Deepak Gupta Sarwan Kumar. Can the letter of recommendation become an electronic standardized letter of reference?. Residency Program Alert. 04/2017.
19. Deepak Gupta ^, Sarwan Kumar. Can ERAS allow blind interview calls?. Residency Program Alert. 02/2017.
20. Deepak Gupta ^, Sarwan Kumar. ERAS: Can It Be Revamped? One Point of View. Journal Of Graduate medical education. 07/2016. PubMed PMID: 27413471.

### **Non-Peer Reviewed**

### **Original Observations**

1. Deepak Gupta ^, Sarwan Kumar. Time For Gut Biome Metagenomics During Annual Physicals And Screening Colonoscopies. Webmedcentral. 08/2022.
2. Deepak Gupta ^, Sarwan Kumar. Leaders call for digital sanity. Webmedcentral. 08/2022.
3. Sarwan Kumar, Deepak Gupta. Quantifying Limits Of Diversity In The Times Of Digital Singularity Becoming The Biggest Enslaver Ever Known In The History Of Global Humanity. Webmedcentral. 02/2022.

4. Deepak Gupta ^, Sarwan Kumar. Does Growth Hormone Need the Growth? Maybe Not Anymore. Webmedcentral. 02/2022.
5. Sarwan Kumar ^, Sarwan Kumar. Diversity During Recruitment At An Internal Medicine Residency Program. MedRxiv. 09/2020. doi: <http://dx.doi.org/10.1101/2020.09.01.20186221>.
6. Deepak Gupta ^, Sarwan Kumar. Claustrophobia, Panic Attacks and Caffeine Intolerance may NOT be associated with Diastolic Dysfunction: A Pre-Echocardiogram Questionnaire-Based Pilot Study. Wemedcentral. 09/2015.

**Key: CV Holder**, Corresponding Author^, Equal Contributor~, *Junior Faculty*, Student\*, Trainee

### **Case Reports**

1. Sarwan Kumar^. Calcific Arterial Changes in an Avid Cyclist: An Evolving Vascular Insufficiency. webmedcentral. 03/2011.

**Key: CV Holder**, Corresponding Author^, Equal Contributor~, *Junior Faculty*, Student\*, Trainee

### **Editorials / Commentaries**

1. Sarwan Kumar ~, Deepak Gupta. OUR OPINION If Artificial Intelligence (AI) Were Program Director (PD). Research gate. 02/2023.
2. Deepak Gupta ^, Sarwan Kumar~. Blemish To Banish The Food And Famish Beast Within For Good. Webmedcentral. 07/2022.
3. Deepak Gupta ^, Sarwan Kumar. Just Like HeLa Cells, Who Owns Banked Biomes?. Webmedcentral. 02/2022.
4. Deepak Gupta ^, Sarwan Kumar. Avoiding Work Authorization Status Related Conscious And Explicit Bias. Webmedcentral. 10/2021.
5. Deepak Gupta ^, Sarwan Kumar. Can Long Straw Sipper Bottle Keep Masked Flyers Calm During Long-Haul Flights? It Maybe Worth Investigating. Webmedcentral. 07/2021.
6. Deepak Gupta ^, Sarwan Kumar. Questions Worth Raising: Automated Writing Evaluations And Legacy Admissions. webmedcentral. 12/2020.
7. Deepak Gupta ^, Sarwan Kumar. Artificial Intelligence And Redundant Specialties. Webmedcentral. 02/2020.
8. Deepak Gupta ^, Sarwan Kumar. 2019 College Admissions Story And ERAS/NRMP/GME. Webmedcentral. 02/2020.
9. Deepak Gupta ^, Sarwan Kumar. Self-Healing Ceiling. webmedcentral. 02/2020.
10. Deepak Gupta^, Sarwan Kumar. Referrals to Occupational Health Services for Burnout. Webmedcentral. 09/2019.
11. Deepak Gupta ^, Sarwan Kumar. Cost Consent. webmedcentral. 09/2019.
12. Deepak Gupta ^, Sarwan Kumar. Hand On Forehead: Can It Calm Our Perioperative And Critical Care Patients? A Worth Exploring Non-Pharmacological Intervention's Efficacy. Webmedcentral. 04/2019.
13. Deepak Gupta ^, Sarwan Kumar. Freedom for Vacation with Telehealth.. webmedcentral. 09/2018.
14. Deepak Gupta ^, Sarwan Kumar. Ask Joint Commission: What Say When Overlay?.. Webmedcentral. 09/2018.
15. Deepak Gupta ^, Sarwan Kumar. Progress Bar On ERAS Portal. webmedcentral. 05/2018.
16. Deepak Gupta ^, Sarwan Kumar. Video Phone Communication With Patients In Isolation. Webmed central. 05/2018.
17. Sarwan Kumar^, Deepak Gupta. Save The Hands While Saving From Hands. Webmedcentral. 05/2018.
18. Sarwan Kumar^, Deepak Gupta. Do We Owe Our Life Expectancy To Dental Care (or To Dentistry)? Certainly-To Some Extent. Webmedcentral. 12/2016.

### **Published Abstracts**

1. Hussein Tahanulqiwa, Sarwan Kumar. Diagnosing Eosinophilic Myocarditis: IS INVASIVE WORK-UP MANDATORY?. Journal of American College of Cardiology; Vol 75 issue No 11\_supplement\_1; 03/2023. p. 527

2. [Saad Chaudhary](#), Sarwan Kumar. cardiovascular implantable electronic device trauma and infection: A stabbing Dilemma. CHEST; Vol 162 Issue 4; 10/2022. p. Supplement A333-A334
3. [A.Rafai et al](#), Sarwan Kumar. Pulmonary Emboli with Negative Lower Extremity Duplex Scan: Source Exploration Needed or Not?. ATS journal; Am J Respir Crit Care Med 2022;205:A1805; 05/2022. p. 2022;205:A1805
4. [Verisha Khanam et al](#), Sarwan Kumar. Unusual Presentation of Aortic Dissection with Right Calf Pain. ATS Journal; 05/2022
5. [Hussein Tahanulqiwa et al](#), Sarwan Kumar. Utilization of IMPROVED VTE Risk Score for Venous Thromboembolism (VTE) Risk Stratification in COVID-19 Pneumonia. ATS journals; 05/2022. p. [http://dx.doi.org/10.1164/ajrcm-conference.2022.205.1\\_MeetingAbstracts.A1852](http://dx.doi.org/10.1164/ajrcm-conference.2022.205.1_MeetingAbstracts.A1852)
6. [Mishita Goel et al](#), Sarwan Kumar. Outcomes of Ultrasound Assisted Catheter Directed Thrombolysis Compared to Anticoagulation Alone in Patients with Intermediate Risk Pulmonary Embolism: A Meta-Analysis. Circulation; Vol 144; 11/2021. p. Vol 144 ,issue supply\_1
7. [Verisha Khanam et al](#), Sarwan Kumar. IS THERE A SAFE WAY TO REVERSE ANTICOAGULATION IN PATIENTS WITH HYPERCOAGULABLE STATE?. CHEST; Vol 160 issue 4; 10/2021. p. supplement, A972
8. [Bernadette schmidit et al](#), Sarwan Kumar. ICU transition of care. CHEST; Vol. 160 issue 4; 10/2021. p. supplement ,A1431
9. [Mishita Goel et al](#), Sarwan Kumar. Utilization of Procalcitonin to Guide Antibiotic Discontinuation in Respiratory Tract Infections in a Community Hospital. American Journal of Respiratory and Critical Care Medicine. doi.org/10.1164/ajrcm-; 05/2021. p. 2021;203:A3907
10. [Mishita Goel S.Bidhan et al](#), Sarwan Kumar. Utilization of Procalcitonin to Guide Antibiotic Discontinuation in Respiratory Tract Infections in a Community Hospital M. Goel , S. Bidhan 2 S. Kumar [https://doi.org/10.1164/ajrcm-conference.2021.203.1\\_](https://doi.org/10.1164/ajrcm-conference.2021.203.1_) American Journal of respiratory and critical care medicine; [https://doi.org/10.1164/ajrcm-conference.2021.203.1\\_](https://doi.org/10.1164/ajrcm-conference.2021.203.1_); 05/2021. p. 2021.203.1\_
11. [Ankita Aggarwal et al](#), Sarwan Kumar. Impact of Angiotensin Converting Enzyme Inhibitors/angiotensin Receptor Blockers on Mortality and Severity of Covid-19 Pneumonia. Circulation; [http://dx.doi.org/10.1161/circ.142.suppl\\_3.16726](http://dx.doi.org/10.1161/circ.142.suppl_3.16726); 11/2020. p. Circulation 142(Suppl\_3)
12. [Jurgena Tusha et al](#), Sarwan Kumar. CLINICAL CHARACTERISTICS AND OUTCOMES OF PATIENTS WITH COVID-19 IN A COMMUNITY HOSPITAL IN MICHIGAN. CHEST; Vol 158 issue 4; 10/2020. p. A 1175
13. [Jurgena Tusha](#), Sarwan Kumar. CLINICAL CHARACTERISTICS AND OUTCOMES OF PATIENTS WITH COVID-19 IN A COMMUNITY HOSPITAL IN MICHIGAN. CHEST; <http://dx.doi.org/10.1016/j.chest.2020.08.1069>; 10/2020. p. 158(4):A1175
14. [Jurgena Tusha et al](#), Sarwan Kumar. CORTICOSTEROID TREATMENT IN PATIENTS WITH SEVERE COVID-19 PNEUMONIA. CHEST; <http://dx.doi.org/10.1016/j.chest.2020.08.564>; 10/2020. p. Chest 158(4):A599
15. [Daniel Taheri](#), Sarwan Kumar. Sudden Cardiac Death And The Peculiar Covid-19. CHEST; 10/2020. p. 158(4):A271
16. [Manish Kumar Patel et al](#), Sarwan Kumar. The significance of oral ascorbic acid in patients with COVID 19. CHEST; 10/2020. p. 158(4) A599
17. [Radha Kishan Adusumilli et al](#), Sarwan Kumar. Empirical therapy in management of pneumonia with multidrug resistant risk factors A Retrospective analysis comparing vancomycin plus Piperacillin\Tazobactam versus Vancomycin plus cefepime. CHEST; 10/2020. p. Chest 158(4):A2635
18. [Laith Al-janabi et al](#), Sarwan Kumar. Biomarker of covid pneumonia vs congestive heart failure : A key to disease diagnosis. CHEST; Doi: 10.1016/j.chest.2020.08.567; 10/2020. p. 158(4): A602.
19. [Verisha Khanam et al](#), Sarwan Kumar. Sequential Organ Failure Assessment Score in patients infected with SARS COV-2. CHEST; DOI: <https://doi.org/10.1016/j.chest.2020.08.567>; 10/2020. p. Chest 158(4):A602
20. [Jurgena Tusha et al](#), Sarwan Kumar. THE MULBSTA SCORE: PREDICTING RISK OF MORTALITY AND DISEASE SEVERITY IN PATIENTS WITH COVID-19 PNEUMONIA. CHEST; DOI: 10.1016/j.chest.2020.08.299; 10/2020. p. 158(4):A300
21. [Anita Aggarwal Y.Eshman et al](#), Sarwan Kumar. Efficacy and Safety of dexmedetomidine in management of alcohol withdrawal: Evidence from a meta-analysis. CHEST; 06/2020. p. 157(6):A126

22. Ankita Aggarwal Warda Zaidi et al, Sarwan Kumar. Are We Over-utilizing Echocardiogram for the Evaluation of Syncope Patients? *Circulation: Cardiovascular Quality and Outcomes* 13 (Suppl\_1), A367-A367. *Circulation: Cardiovascular Quality and outcome*; 05/2020. p. Volume 13 issue suppl\_1
23. Ankita Aggarwal, Sarwan Kumar. Ultrasound Assisted Catheter Directed Thrombolysis in a High Bleeding Risk Patient with Massive Pulmonary Embolism - A Success Story. *American Journal of Respiratory and Critical Care Medicine*; 05/2020. p. 201: A7270
24. Ankita Aggarwal et al, Sarwan Kumar. Post-Operative Euglycemic Diabetic Ketoacidosis: When Guidelines Failed. *American Journal of Respiratory and Critical Care Medicine*; 05/2020. p. 201: A5159.
25. Ankita Aggarwal et al, Sarwan Kumar. Comparing safety and efficacy of verapamil versus diltiazem in atrial fibrillation and flutter with rapid ventricular response. *Journal of the American College of Cardiology.*; 03/2020. p. Volume 75(Issue 11) Supplement 1.
26. Sorabh Bidhan et al, Sarwan Kumar. Glycogen Hepatopathy: An Unusual Cause of Liver Enzymes Elevation in Diabetic Patients. *American Journal of Gastroenterology*; 10/2019. p. Volume 114(Issue p): S1286.
27. Toribiong Uchel et al, Sarwan Kumar. Evaluating efficiency of rapid response teams in identifying sepsis in hospitalized patients and the effect on mortality and length of admission. *CHEST*; 10/2019. p. Vol. 156, Issue 4, A1627.
28. Anubhav Jain et al, Sarwan Kumar. An Unusual Cause of Diffuse Pulmonary Hemorrhage. . *Am J Respir Crit Care*; 05/2019. p. No. 9(Abstract issue): A-1487.
29. Anubhav Jain et al, Sarwan Kumar. Secondary Evans Syndrome: A Rare Presentations Manifestation of Systemic Lupus Erythematosus. *J Gen Intern Med*; 05/2019. p. Vol 34(May 2019): pp 1–769.
30. Sana Chams Gloria Hong et al, Sarwan Kumar. A process to improve cardiac telemetry use in a community Hospital. *J Gen Intern Med*; 05/2019. p. Vol 34(May): Pg 1-769
31. Anubhav Jain, Alhalabi L\*, Sarwan Kumar. STEMI in a young patient: Role of an Internist. *J Gen Intern Med.*; 05/2019. p. Vol 34(May): Pg 1-769.
32. Ankita Aggarwal et al, Sarwan Kumar. Survival Benefit of Beta Blockers in patients hospitalized for Acute exacerbation of COPD. *CHEST*; 10/2018. p. Vol 154(Issue 4): 742A.
33. Anubhav Jain et al, Sarwan Kumar. Positive effect of Beta(B) blockers on the length of stay in patients hospitalized for acute exacerbation of COPD: A retrospective chart analysis. *J Gen Intern Med.*; 04/2018. p. Vol 33(Suppl 2) (April 2018): 83-840
34. Anubhav Jain et al, Sarwan Kumar. Adverse effect of steroids - Prolonged length of hospitalization in Chronic Obstructive Pulmonary Disease (COPD) exacerbation patients with chronic heart failure. *J Gen Intern Med.*; 04/2018. p. Vol 33(suppl 2) (April 2018): 83-840.
35. Mahdawi R, et al, Sarwan Kumar. Acute Cholecystitis and Duodenitis: A Rare Case Presentation of Churg Strauss Syndrome. *CHEST*; 10/2016. p. 150(4\_S):301A-301A.
36. Age David et al, Sarwan Kumar. How Cold Is Cold Enough? Retrospective Review of Therapeutic Hypothermia Outcomes and Protocol Revision in a Community-Based Hospital. *CHEST*; 10/2015. p. 148(4\_MeetingAbstracts):241A-241A.
37. Sarah Asghar et al, Sarwan Kumar. Spontaneous Pneumothorax with Extensive Subcutaneous Emphysema: Rare Complication of Shoulder Arthroscopy. *CHEST*; 10/2015. p. 148(4\_MeetingAbstracts):34A-34A
38. Maliha Nasser et al, Sarwan Kumar. Factors affecting length of hospitalization amongst patients admitted with Acute COPE exacerbation in multivariate model. *CHEST*; 10/2015. p. Vol 148 issue 4 supplement p757A
39. Omar Azam et al, Sarwan Kumar. Acute Eosinophilic Pneumonia: A Rare Side Effect of Daptomycin. *Chest*. 2014; 146 179A-179A. *CHEST*; 10/2014. p. 2014; 146 179A-179A.

## **Presentations**

### **Podium**

#### **International / National**

1. Anoopa Mathew et al, Sarwan. HIV Status in a Patient on Testosterone Therapy: Confounder or Modifier to Venous Thromboembolism?. *AACE*; 05/2023; Seattle



2. Vesna Tegeltija, Sarwan Kumar. Objective Tracking of Professionalism During Residency Training. The Alliance of Independent Academic Medical Center; 03/2023; Nashville
3. Hussein Tahanulqiwa et al, Sarwan Kumar. Diagnosing Eosinophilic Myocarditis : is invasive work up mandatory?. ACC; 01/2023; New orleans  
*ACC complex clinical cases*
4. Ahmad Refai et al, Sarwan Kumar. Pulmonary Emboli with Negative Lower Extremity Duplex Scan: Source Exploration Needed or Not?. American Thoracic Society 2022 International Conference; 05/2022; San Francisco
5. Hussein Tahanulqiwa, et al, Sarwan Kumar. Utilization of IMPROVEDD VTE Risk Score for venous thromboembolism VTE risk stratification in COVID-19 Pneumonia. ATS; 05/2022; San Francisco
6. Mishita Goel et al, Sarwan Kumar. Outcomes of Ultrasound Assisted Catheter Directed Thrombolysis Compared to Anticoagulation alone In Patients with Intermediate Risk Pulmonary Embolism: A Meta-analysis. AHA Scientific Session; 11/2021; Virtual
7. Vatsal Khanna et al, Sarwan Kumar. Cervical epidural hematoma in a patient on anticoagulation: A rare complication of chiropractic spinal manipulation therapy. SGIM; 10/2021; Virtual Meeting
8. Manish Patel et al, Sarwan Kumar. THE SIGNIFICANCE OF ORAL ASCORBIC ACID IN PATIENTS WITH COVID-19 SGIM midwest; 10/2021; Virtual
9. Mishita Goel et al, Sarwan Kumar. Utilization of Procalcitonin to Guide Antibiotic Discontinuation in Respiratory Tract Infections in a Community Hospital. SGIM; 10/2021; online
10. Jurgena Tusha et al, Sarwan Kumar. High Intensity Interval Training: A Risky New Fitness Trend. SGIM midwest; 10/2021; online
11. Mishita Goel et al, Sarwan Kumar. Standardizing treatment of inpatient asymptomatic Hypertension: A QI initiative. ACC quality summit; 09/2021; Virtual
12. Mishita Goel et al, Sarwan Kumar. Cardiac Care Checklist": An Initiative to Improve the Screening Of Cardiovascular Diseases In A Resident Internal Medicine Clinic. ACC Quality Summit; 09/2021; Virtual
13. Padmini Giri et al, Sarwan Kumar. Tragic-Magic: A case of magic syndrome. 23rd Asia Pacific League of Associations for Rheumatology Congress (APLAR 2021); 08/2021
14. Mishita Goel et al, Sarwan Kumar. 12. Utilization of Procalcitonin to Guide Antibiotic Discontinuation in Respiratory Tract infections in a Community Hospital  
Authors: M. Goel, S. Kumar, V. Tegeltija Poster Presentation ATS 2021. ATS; 05/2021; Virtual
15. Vesna Tegeltija, Sarwan Kumar. Evaluating Professionalism Utilizing a Tracker. Alliance for Academic Internal Medicine; 04/2021; Virtual
16. Zain Kulairi, Sarwan Kumar. A Process to Monitor and Improve Scholarly Activity During Residency. Alliance for Academic Internal Medicine; 04/2021; Online
17. Ankita Aggarwal et al, Sarwan Kumar. Efficacy and Safety of dexmedetomidine in management of alcohol withdrawal: Evidence from a meta-analysis. CHEST; 10/2020; Virtual
18. Tsveti Markova et al, Sarwan Kumar. Standardizing Transitions of Care (TOC): Monitoring Resident Handoffs Using the SAIF-IR Mnemonic". AAMC GRA & ORR meeting; 04/2020; Chicago
19. Sana Chams et al, Sarwan Kumar. A process to improve cardiac telemetry use in a community Hospital. SGIM; 05/2019; Washington DC
20. Ankita Aggarwal et al, Sarwan Kumar. An unusual cause of diffuse pulmonary hemorrhage. Oral Presentation National ACP, Philadelphia 2019(Winner). National ACP; 04/2019; Philadelphia  
*Winning Poster 2019*
21. Sana Chams et al, Sarwan Kumar. Inappropriate use of PPI (Proton Pump Inhibitor) in hospital. National ACP; 04/2018; New Orleans  
*1st prize Winner*
22. Vesna Tegeltija, Sarwan Kumar. Improving Error reporting in community Hospital a quality improvement project. National SGIM. April 2018. SGIM; 04/2018; Denver
23. Alicija Sobilo et al, Sarwan Kumar. Improving appropriate use of anti-hypertensive in hospital. National ACP; 03/2018; New orleans

24. Kushal Shah et al, Sarwan Kumar. Plastic bronchitis (PB) complicated with pneumomediastinum and pneumopericardium in a young female: A rare complication of status asthmaticus. National SGIM. April 2017. SGIM; 04/2017; Washington DC
25. Maliha Nasser et al, Sarwan Kumar. Failed IVIG treatment for severe complicated C –Diff colitis. National SGIM. April 2017. SGIM; 04/2017; Washington DC
26. Faris Hannoodi et al, Sarwan Kumar. Streptococcus intermedius Causing Necrotizing Pneumonia in an Immune Competent Female AMA. June 2016. American Medical Association; 08/2016; Atlanta
27. Maliha Nasser, Sarwan Kumar. Cardiac Tamponade as a Presenting Manifestation of Infliximab-Induced Lupus in Patient Treated for Crohn's Disease: A Case Report and Literature Review. ACG; 10/2015; Honolulu, Hawai
28. Larry McMann et all, Sarwan Kumar. Idiopathic Occipital Neuralgia A Rare Cause of Debilitating Headache. SGIM; 04/2015; Toronto
29. Larry McMann et al, Sarwan Kumar. A Case of Cervical Manipulation Causing Stroke & Exploring its Biomechanics. National SGIM. April 2015. SGIM; 04/2015; Toronto
30. Reem Al-Mahdawi et al, Sarwan Kumar. Marijuana induced biliary dyskinesia. National SGIM. April 2015. SGIM; 04/2015; Toronto
31. Sonikpreet Aulakh et al, Sarwan Kumar. Maggots' infestation as a predisposing condition for heparin-induced thrombocytopenia. World Congress of Internal Medicine. December 2014. World Congress of Internal Medicine; 12/2014; Seoul, Korea, South
32. Sonikpreet Aulakh, Sarwan Kumar. Gastrointestinal tract as a source of clots in the brain: cerebral venous sinus thrombosis in Crohn's disease, a rare complication. World Congress of Internal Medicine; 12/2014; Seoul, Korea, South
33. Omar Azam et al, Sarwan Kumar. Pleomorphic Lung Carcinoma: A Notoriously Aggressive Tumor with Rapid Progression CHEST; 10/2014; Austin
34. Sonikpreet Aulakh et al, Sarwan Kumar. Autoimmune Hemolytic Anemia with VTE (venous thromboembolism): Common complication of a rare disease. ASH; 08/2014; San Francisco
35. Sonikpreet Aulakh et al, Sarwan Kumar. Extensive Aortic thrombus in Ulcerative Colitis: Common disease with Unusual complication. National SGIM; 04/2014; San Diego
36. Omar Azam et al. Paget – Schroetter Syndrome: A case to remember!' "Paget – Schroetter Syndrome: A case to remember!. National SGIM; 04/2014; SanDiego
37. Farah Dalaley et al, Sarwan Kumar. Leydig cell tumor and endometrial hyperplasia: a rare association. AACE; 04/2013; Washington DC
38. von-Willebrand Disease and Schwannomata: Role of Pseudogene!. National ACP; 04/2013; San Francisco  
*1st prize winner poster*
39. Maze Aladdin, Sarwan Kumar. Association of Body Mass Index and Colon Cancer. National ACP. April 2013. National ACP; 04/2013; San Francisco
40. Zain Kulairi et al, Sarwan Kumar. A case of Hashimoto's Thyroiditis following Parathyroidectomy. AMA. November 2012. AMA; 11/2012; Chicago
41. Anurag Mehrotra et al, Sarwan Kumar. Falling through the cracks: Statin usage based on Population Characteristics in Ambulatory Care. National SGIM; 05/2012; Orlando

## **Posters**

### **Regional / Local**

1. Zain Kulairi, Sarwan Kumar. A process to monitor and improve scholarly activities during residency. WSUSOM Medical Education Research and Innovation Conference; 12/2021; Detroit
2. Bernadette Schmidt et al, Sarwan Kumar. Improving ICU Transition of Care, a QI Initiative. SEMCME; 05/2021; online
3. Monica Dhawan et al, Sarwan Kumar. Decreasing Inappropriate Use of Vancomycin. SEMCME QI Summit; 05/2021
4. Ankita Aggarwal et al, Sarwan Kumar. Triple anticoagulation/antiplatelet therapy causing heavy menstrual bleeding in a premenopausal female: a case report with a therapeutic dilemma. Michigan ACP; 10/2019; Grand rapid
5. Ankita Aggarwal et al, Sarwan Kumar. Improving morning hospital discharges in an inpatient internal medicine service. Michigan QI summit; 05/2019; Troy

6. salman Jacob et al, Sarwan Kumar. A Shared Channelopathy: Brugada and Long QT Syndrome. ACP MI October 2017. ACP MI; 10/2018; Bellaire
7. Toribiong Uchel, Sarwan Kumar. Permissive Hypothermia: How cold is Cold enough? Michigan QI Summit. May 2018. SEMCME QI SUMMIT; 05/2018; Troy
8. Usha Abbibeni, Sarwan Kumar. Decreasing Inappropriate Use of IV Levofloxacin in a Hospital Setting. Michigan QI Summit. May 2018. Michigan QI Summit; 05/2018; Troy
9. Sana Chams et al, Sarwan Kumar. Process to Improve Cardiac Telemetry Use in a Community Hospital. Michigan QI Summit.; 05/2018; Troy
10. Jenil Gandhi, Sarwan Kumar. Overutilization of Imaging Modalities in Patients at Low Risk for Pulmonary. Michigan QI Summit; 05/2018; Troy
11. Mulham Hamdon, Sarwan Kumar. Prevention of Hypoglycemia in a Community Hospital. Michigan QI Summit.; 05/2018; troy
12. Daniel Kapadia, Sarwan Kumar. Restrict fluoroquinolone use in simple infection. Michigan QI Summit; 05/2018; Troy
13. Tapasya Mandalapu, Sarwan Kumar. Process Improvement to Reduce Inappropriate Utilization of Total Parenteral Nutrition. Michigan QI Summit. May 2018. Michigan QI summit; 05/2018; Troy
14. Sana Chams et al, Sarwan Kumar. Limiting Inappropriate Proton Pump Inhibitors Use in a Community Hospital. Michigan QI Summit.; 05/2018; Troy
15. Danielle Fabry et al, Sarwan Kumar. Appropriate administration of Vitamin K in Patients with Supratherapeutic INR. Michigan QI Summit; 05/2018
16. Toribiong Uchel et al, Sarwan Kumar. Reducing Inappropriate Use of IV Fluid Therapy. Michigan QI Summit; 05/2018
17. Omar Hourani, Sarwan Kumar. Small Bowel Obstruction Mimicking Acute ST-Elevation. ACP MI; 10/2017; Bellaire
18. Ali I et al, Sarwan Kumar. Improving Appropriate Use of IV Levofloxacin in the Hospital Setting.; 10/2017
19. Arham Barakzai et al, Sarwan Kumar. Reducing Unnecessary Testing: Ultrasound in Acute Kidney Injury. ACP MI; 10/2017; Bellaire
20. Tapasya Mandapalu et al, Sarwan Kumar. Preventing hypoglycemia and hyperglycemia during hospitalization by reducing the use of oral hypoglycemic drug. ACP MI; 10/2017; Bellaire
21. Kushal Shah, Sarwan Kumar. Multi-drug resistant Acinetobacter baumannii and Multiple Sclerosis: when conventional treatment fails. ACP Michigan Resident's day; 05/2017; Novi
22. Omar Hourani et al, Sarwan Kumar. Diabetic Foot Ulcer: an unlikely source of Spinal Epidural Abscess. ACP Michigan Resident's day May 2017. ACP Michigan Resident's day; 05/2017; Novi
23. Tapasya Mandalapu et al, Sarwan Kumar. A rare case of Hyperosmolar hyperglycemic state presenting as Focal seizures. ACP Michigan Resident's day; 05/2017; Novi
24. Faris Hannoodee et al, Sarwan Kumar. Adverse effects of steroid therapy on cardiac events. ACP Michigan Resident's day May 2017. ACP Michigan Resident's day; 05/2017; Novi
25. Ali I, Sarwan Kumar. Sepsis, hepatitis, and acute renal failure with herpes simplex esophagitis in immunocompetent patient. ACP MI October 2016. ACP MI; 10/2016
26. Reem Al-Mahdawi et al, Sarwan Kumar. PE (Pulmonary Embolism) and Stanford Type B Dissection Causing Chest Pain in The Same Patient. ACP MI; 10/2016
27. Faris Hannoodee, Sarwan Kumar. Improving clinical documentation by generating accurate problem lists. Michigan QI Summit; 05/2016
28. Faris Hannoodee, Sarwan Kumar. Adherence to specific guidelines for treatment of acute pancreatitis. Michigan QI Summit.; 05/2016
29. Jenil Gandhi et al, Sarwan Kumar. (Blood Pressure) management by pharmacological intervention in resident's clinic in a community hospital. Michigan QI Summit; 05/2016
30. Hussar Jandali et al, Sarwan Kumar. Triage of potential PE patients: appropriate use of CT Angiogram. Michigan QI Summit.; 05/2016
31. Barakzai, A et, Sarwan Kumar. Intravenous Steroids: A Novel Therapy for Posterior Reversible Encephalopathy Syndrome?. ACP Michigan; 09/2015

32. Gjeka, R et al, Sarwan Kumar. Peptostreptococcus magnus: An Interesting Traveler to the Lumbar Spine.”. ACP Michigan; 09/2015
33. Naseer, M., et al, Sarwan Kumar. Frequency of Colonic and Extracolonic Findings of CT Colonoscopy in Asymptomatic Patients: A Retrospective Analysis of Follow-Up and Cost of Care. ACP Michigan; 09/2015
34. Renkiewicz, C. et al, Sarwan Kumar. Pustular Psoriasis of Pregnancy – An Uncommon Disease.; 09/2015
35. Sonikpreet Aulakh et al, Sarwan Kumar. Morel-Lavallée lesions -An Obscure Cause for Persistent Post Traumatic Knee Swelling; 10/2014; ACP MI
36. Omar azam et al, Sarwan Kumar. Looking Beyond the D-Dimer: A Case of Elevated D-Dimer in Urticaria. ACP Michigan Resident’s day May 2014. ACP Michigan Resident’s day; 05/2014
37. Zain Kulairi, Sarwan Kumar. QT prolongation!!Might be initial presentation with Hyperthyroidism. ACP Michigan Resident’s day; 05/2014
38. Sonikpreet Aulakh et al, Sarwan Kumar. Cautious traveling of the world - Plasmodium Falciparum, a reason for admission! ACP Michigan Resident’s day May 2014. ACP Michigan Resident’s day; 05/2014
39. Sonikpreet Aulakh, Sarwan Kumar. Effective but underutilized L-carnitine as an antidote for Valproic acid toxicity. ACP Michigan; 04/2014
40. Jimma Thittina et al, Sarwan Kumar. Imatinib for Hemangioendothelioma. ACP Michigan Resident’s day; 05/2013
41. Kavya Kodlipet et al, Sarwan Kumar. A novel (Synergy) against methicillin-resistant staphylococcus aureus bacteremia. ACP Michigan Resident’s day; 05/2013
42. Omar Al-Shuwaykh et al, Sarwan Kumar. Volume Depletion in elderly, social dilemma with life threatening condition. ACP Michigan; 10/2012
43. Anurag Mehrotra et al, Sarwan Kumar. Case of Neuroleptic Malignant Syndrome Presenting after Five years” ACP Michigan. October 2012. ACP Michigan; 10/2012
44. Maeza A et, Sarwan Kumar. Emphasis on Importance of Education for Abdominal Ultrasound Screening for Abdominal Aortic Aneurysm. ACP Michigan; 10/2012
45. Maeza A et al, Sarwan Kumar. Association of Body Mass index and Colon Cancer. ACP Michigan; 10/2012
46. Kavya K et al. Anti-Inflammatory Effect of Statin – Not a myth anymore!. ACP Michigan; 10/2012
47. Al-Tabaqchaly, Sarwan Kumar. Chest X-ray Cavitory lesion Artifact-Grave to benign diagnosis. ACP michigan; 05/2012
48. Al-tabaqchali S, Sarwan Kumar. Atrial Septal Defect – From the Heart to the Legs - A rare case of septal occlude Migration ACP Michigan Resident’s day; 05/2012
49. Rita Jain et al, Sarwan Kumar. Daptomycin induced pneumonia. ACP Michigan Resident’s day; 05/2012
50. Kavya K et al, Sarwan Kumar. Diffuse large B-cell lymphoma (DLBCL), in the setting of lymphocyte-predominant Hodgkins Lymphoma (LPHL). ACP Michigan Resident’s day; 05/2012
51. Antrag Mehrotra et al, Sarwan Kumar. Falling through the cracks: Statin usage based on Population Characteristics in Ambulatory Care. ACP Michigan Resident’s day.; 05/2012
52. Antrag Mehrotra et al, Sarwan Kumar. Drug-Induced Acute Pancreatitis: Tapentadol (Nucynta). ACP Michigan Resident’s day; 05/2012
53. Chugh K et al, Sarwan Kumar. Favorable Effect of Helicobacter Pylori on Serum Lipid Profile. Michigan State Medical Society.; 11/2011
54. Zain Kulairi et al, Sarwan Kumar. Impact of Hepatitis C virus seropositivity in lung transplantation. Michigan State Medical Society; 11/2011

## Service

### Wayne State University Service

#### University

07/2018 - Present	Member, CLER council, School of Medicine
06/2017 - Present	Member, GMEC Committee, School of Medicine

07/2014 - 04/2018 Co-Chair, Task Force for Quality Improvement and Safety, School of Medicine  
03/2014 - 06/2016 Member, Task force Transition of care, School of Medicine  
*Developed OSHE direct observation tool and Mini CEX for faculty*

**Department / Division**

07/2017 - Present Member, Clinical Competency Committee, School of Medicine  
07/2017 - Present Chair, Program Evaluation Committee, School of Medicine  
06/2017 - Present Chair, Internal Medicine Residency Candidate Interviews, School of Medicine  
2012 - 07/2017 Member, Internal Medicine Residency Candidate Interviews, School of Medicine

**Other Professionally Related Service**

**Professional**

07/2017 - Present Member, Internal Medicine Program Director Committee, SEMCME  
03/2012 - Present Reviewer / Evaluator, Abstract reviewer, ACP Michigan