

<ul style="list-style-type: none"> • Research Committee Internal Medicine Residency Ascension Providence Rochester Hospital, Michigan 	2012 - Present
<ul style="list-style-type: none"> • Sepsis Committee Ascension Providence Rochester Hospital, Michigan 	2018 - Present
<ul style="list-style-type: none"> • Member of Professional Analysis Committee (PEER review committee) Ascension Providence Rochester Hospital, Michigan 	2018- Present
<ul style="list-style-type: none"> • Quality Control Committee Ascension Providence Rochester Hospital, Michigan 	2019 - Present
<ul style="list-style-type: none"> • Member of Credentialing committee 	2019 - Present
EDUCATION <ul style="list-style-type: none"> • Medical School, MBBS Sindh Medical College, Pakistan. 	February 1998 - June 2003- one-year internship is mandatory degree issued 2004
POSTGRADUATE TRAINING <ul style="list-style-type: none"> • Internal Medicine Residency Wayne state University /DMC Detroit MI, USA 	July 2008 - June 2011
PROFESSIONAL LICENSE <ul style="list-style-type: none"> • State of Michigan - Permanent License 	2011
BOARD CERTIFICATION <ul style="list-style-type: none"> • American Board of Internal Medicine (ABIM) Re-certified 	2019
ADDITIONAL TRAINING <ul style="list-style-type: none"> • ECFMG Certification • Stanford Medical Teaching course • ACLS & BLS certification • NIHSS certification 	2007 - Valid indefinitely 2013 2008 - Present 2013 - Present
PROFESSIONAL SOCIETY MEMBERSHIPS <ul style="list-style-type: none"> • American College of Physician (ACP) • Southeast Michigan Center for Medical Education (SEMCME) • AAIM 	2008 - Present 2008 - Present 2015- Present
HONORS/AWARDS <ul style="list-style-type: none"> • Outstanding Resident of the Year in outpatient clinic, Detroit Medical Center, Wayne State University. • Best Teaching Award” Wayne State University /Crittenton 	2010 2011-2012

<ul style="list-style-type: none"> • Core Curriculum Lectures - one-hour lectures provided to 45-60 resident learners and medical students rotating 	July 2011 - Present
Teaching at Other Institutions <ul style="list-style-type: none"> • Assistant Professor of Medicine American University of Caribbean Medical Student • Assistant Professor of Medicine UMHS School of Medicine Medical Student 	07/2013- Present 07/2013- Present

PUBLICATIONS

Peer-Reviewed Publications

1. Clinical judgement in chest pain: a case report.
Goel M, Dhillon S, Kumar S, Tegeltija V. J Med Case Rep. 2021 Feb 9;15(1):49. doi: 10.1186/s13256-021-02666-z. PMID: 33557897 .
2. Antidiabetic drugs and non-alcoholic fatty liver disease: A systematic review, meta-analysis and evidence map.
Kumar J, Memon RS, Shahid I, Rizwan T, Zaman M, Menezes RG, Kumar S, Siddiqi TJ, Usman MS. Dig Liver Dis. 2021 Jan;53(1):44-51. doi: 10.1016/j.dld.2020.08.021. Epub 2020 Sep 8. PMID: 32912770 Review.
3. Diversity During Recruitment at An Internal Medicine Residency Program
Sarwan Kumar, Deepak Gupta doi: <https://doi.org/10.1101/2020.09.01.20186221>
4. Efficacy of catheter-based renal denervation in the absence of antihypertensive medications (SPYRAL HTN-OFF MED Pivotal): a multicentre, randomised, sham-controlled trial.
Böhm M, Kario K, Kandzari DE, Mahfoud F, Weber MA, Schmieder RE, Tsioufis K, Pocock S, Konstantinidis D, Choi JW, East C, Lee DP, Ma A, Ewen S, Cohen DL, Wilensky R, Devireddy CM, Lea J, Schmid A, Weil J, Agdirlioglu T, Reedus D, Jefferson BK, Reyes D, D'Souza R, Sharp ASP, Sharif F, Fahy M, DeBruin V, Cohen SA, Brar S, Townsend RR; SPYRAL HTN-OFF MED Pivotal Investigators. Lancet. 2020 May 2;395(10234):1444-1451. doi: 10.1016/S0140-6736(20)30554-7. Epub 2020 Mar 29. PMID: 32234534 Clinical Trial.
5. Intentional self harm associated mortality among U.S. White physicians, nurses, lawyers & judges
Deepak Gupta **Sarwan Kumar**
<https://www.iapsmupuk.org/journal/index.php/IJCH/article/view/1804>
6. Questions Worth Raising: Automated Writing Evaluations And Legacy Admissions
Deepak Gupta **Sarwan Kumar**
http://www.webmedcentral.com/article_view/567
7. SOAP to STEP: The new normal
Deepak Gupta **Sarwan Kumar**
<https://www.hcpro.com/RES-333960-2699/SOAP-to-STEP-The-new-normal.html> August 2020
8. SOHAM: Searching our own health after medicine by Understanding Physician Mortality Data Gupta D, **Kumar S**, Chakraborty S. from The United States. Indian J Community Health. 2020 Apr.27 ;32(1):154 -160.
9. Diversifying your GME program. Residency Program Alert. Published April 8 2020. Gupta D, **Kumar S**.

- Available at <https://www.hcpro.com/RES-333644-2699/Diversifying-your-GME-program.html>.
10. Gupta D, Kumar S. 2019 College Admissions Story And ERAS/NRMP/GME. WebmedCentral MEDICAL EDUCATION 2020;11(2):WMC005604
 11. Gupta D, Kumar S. Artificial Intelligence And Redundant Specialties. WebmedCentral MEDICAL ROBOTICS 2020;11(2):WMC005605
 12. Gupta D, Kumar S. Self-Healing Ceiling. WebmedCentral MEDICAL EDUCATION 2020;11(2):WMC005606
 13. Salman J, Salman A, Kumar S, et al. Improving the use of intravenous antihypertensive medications in the hospital setting: a quality improvement initiative for patient safety. BMJ Open Qual. 2019;8(4):e000626. Published 2019 Nov 27. doi:10.1136/bmjopen-2019-000626
 14. Gupta D, Kumar S, Srirajakalidindi A. Hand On Forehead: Can It Calm Our Perioperative And Critical Care Patients? A Worth Exploring Non-Pharmacological Intervention's Efficacy. WebmedCentral ANAESTHESIA 2019;10(4):WMC005562
 15. Gupta D, Kumar S. Examining questions of overabundance and dearth in healthcare. Published April 17 2019.
Available at <https://www.hcpro.com/RES-332585-2699/Examining-questions-of-overabundance-and-dearth-in-healthcare.html>.
 16. Gupta D, Kumar S. Accreditation liability: Can we do without it? February 15 2019.
<https://www.hcpro.com/RES-332371-2699/Accreditation-liability-Can-we-do-without-it.html>.
 17. Gupta D, Kumar S. Suicide: Managing self-directed violence? Indian J Community Health. 2018Dec.31;30(4):411 -44.
 18. Gupta D, Kumar S. Can remote interviews replace on-site interviews? Published September 27 2018
Available at: <https://www.hcpro.com/RES-331836-2699/Can-remote-interviews-replace-onsite-interviews.html>
 19. Gupta D, Kumar S. Freedom for Vacation with Telehealth. WebmedCentral PUBLIC HEALTH 2018;9(9):WMC005509
 20. Gupta D, Kumar S. Ask Joint Commission: What Say When Overlay? WebmedCentral HEALTH INFORMATICS 2018;9(9):WMC005508
 21. Chams S, El Sayegh S, Hamdon M, Kumar S, Tegeltija V. Amoxicillin/clavulanic acid-induced pancreatitis: case report. BMC Gastroenterol. 2018;18(1):122.
 22. Gupta D, Kumar S, Seyoum B. Blister-packed levothyroxine sodium or bottle-packed levothyroxine sodium. J Basic Clin Physiol Pharmacol. 2018;29(4):309-311.
 23. Barakzai A, Wenzlick L, Deol N, Barakzai S, Kumar S. Reducing Unnecessary Testing: Ultrasound in Acute Kidney Injury. Am J Med Qual. 2018;33(4):448.
 24. Chams S, El Sayegh S, Hamdon M, Kumar S, Kulairi Z. Zumba-induced Takotsubo cardiomyopathy: a case report. J Med Case Rep. 2018;12(1):160.
 25. Gupta D, Kumar S. Progress Bar On ERAS Portal. WebmedCentral MEDICAL EDUCATION 2018;9(5):WMC005463.
 26. Gupta D, Kumar S. Video Phone Communication With Patients In Isolation. WebmedCentral INFECTIOUS DISEASES 2018;9(5):WMC005461
 27. Gupta D, Kumar S. Save The Hands While Saving From Hands. WebmedCentral INFECTIOUS DISEASES 2018;9(5):WMC005459
 28. Alshuwaykh O, Kumar S. A Patient Saved His Own Life: A Curious Case of Chest Pain. Med Sci Case Rep 2018; 5:31-32. DOI: 10.12659/MSCR.910339.
 29. Gupta D, Kumar S. Using webinars to place medical didactics under one umbrella. Published February 14, 2018.
Available at: <https://www.hcpro.com/RES-330821-2699/Using-webinars-to-place-medical-didactics-under-one-umbrella.html>.
 30. Gupta D, Kumar S. Can artificial intelligence do the job of the program director? Published October 13, 2017.
Available at: <https://www.hcpro.com/RES-330237-2699/Can-artificial-intelligence-do-the-job-of-the-program-director.html>
 31. Gupta D, Kumar S. Questions about the United States Medical Licensing Examination. Published June 23, 2017.

Available at: <http://www.hcpro.com/RES-329632-2699/Questions-about-the-United-States-Medical-Licensing-Examination.html>

32. Hannoodi F, Alwash H, Shah K, Ali I, **Kumar S**, Zakaria K. A Case of Hypoglycemia-induced QT Prolongation Leading to Torsade de Pointes and a Review of Pathophysiological Mechanisms. *Clin Pract.* 2017;7(3):960.
33. Gupta D, **Kumar S**. Can ERAS Allow Blinded Interview Calls? Published February 13 2017. Available at: <http://www.hcpro.com/RES-328855-2699/Can-ERAS-allow-blind-interview-calls.html>
34. Hannoodi F, Sabbagh H, Kulairi Z, **Kumar S**. A Rare Case of Fusobacterium Necrophorum Liver Abscesses. *Clin Pract.* 2017;7(1):928.
35. Gupta D, Umar A, **Kumar S**, Chakraborty S. Do We Owe Our Life Expectancy To Dental Care (or To Dentistry)? Certainly-To Some Extent. *WebmedCentral DENTISTRY* 2016;7(12):WMC005245
36. Hannoodi F, Ali I, Sabbagh H, **Kumar S**. Streptococcus intermedius Causing Necrotizing Pneumonia in an Immune Competent Female: A Case Report and Literature Review. *Case Rep Pulmonol.* 2016;2016:7452161
37. Gupta D, **Kumar S**. SPQ (Self Promoter Questionnaire) or Spec (Self Promotion Evaluator Collector). *Middle East J Anaesthesiol.* 2016;23(6):687-690.
38. Gupta D, **Kumar S**. ERAS: Can It Be Revamped? One Point of View. *J Grad Med Educ.* 2016;8(3):467. doi:10.4300/JGME-D-16-00015.
39. Gupta D, Kottam A, **Kumar S**, Mazumdar A. Claustrophobia, Panic Attacks and Caffeine Intolerance may NOT be associated with Diastolic Dysfunction: A Pre-Echocardiogram Questionnaire-Based Pilot Study. *WebmedCentral CARDIOLOGY* 2015;6(9):WMC004975
40. Kanaan Z, Kulairi Z, Titianu M, Saha S, **Kumar S**. Guillain-Barré Syndrome following Treatment with Sunitinib Malate. *Case Rep Oncol Med.* 2014;2014:712040.
41. Hayakawa K, Marchaim D, Divine GW, **Kumar S** et al. Growing prevalence of Providencia stuartii associated with the increased usage of colistin at a tertiary health care center. *Int J Infect Dis.* 2012;16(9):e646-e648.
42. Hayakawa K, Marchaim D, Martin ET, **Kumar S** et al. Comparison of the clinical characteristics and outcomes associated with vancomycin-resistant Enterococcus faecalis and vancomycin-resistant E. faecium bacteremia. *Antimicrob Agents Chemother.* 2012;56(5):2452-2458.
43. **Kumar S**, Carter LF. Giant cell tumor of soft tissue of hand: simple but rare diagnosis, which is often missed. *Clin Pract.* 2011;1(3):e54.
44. **Kumar S**, Zafar SF, Raufi AM, Heath EI. Apocrine carcinoma of the face in a 62-year-old Asian man. *Clin Pract.* 2011;1(3):e50.
45. **Kumar S**, Gupta D, Rau SS. Supratherapeutic international normalized ratio: an indicator of chronic malnutrition due to severely debilitating gastrointestinal disease. *Clin Pract.* 2011;1(2):e21.
46. **Kumar S**, Gupta D, Rau SS. It can't be december already: a real life simile to Jeffery Archer's short story. *Clin Pract.* 2011;1(1):e4.
47. **Kumar S**, Gupta D, Rau S. Polysubstance abuse related subacute urinary retention and Hutch diverticulum of urinary bladder. *Clin Pract.* 2011;1(1):e8.
48. **Kumar S**, Gupta D, Rau S S. Calcific Arterial Changes in an Avid Cyclist: An Evolving Vascular Insufficiency . *WebmedCentral SPORTS MEDICINE* 2011;2(3):WMC001816

PUBLISHED ABSTRACTS

1. Sudden Cardiac Death And The Peculiar Covid-19 Case Danyal Taheri Abkouh, Jurgena Tusha, Verisha Khanam, Padmini Giri, and **Sarwan Kumar** *Chest.* 2020 Oct; 158(4): A271. doi: 10.1016/j.chest.2020.08.272
2. The significance of oral ascorbic acid in patients with COVID 19 Manishkumar Patel, Gloria Hong, Bernadette Schmidt, , Jurgena Tusha, Padmini Giri, **Sarwan Kumar** *Chest.* 2020 Oct; 158(4): A599. doi: 10.1016/j.chest.2020.08.564
3. Corticosteroid treatment in patients with severe COVID-19 pneumonia Gloria Hong, **Sarwan Kumar** et al *Chest.* 2020 Oct; 158(4): A1175. doi: 10.1016/j.chest.2020.08.1069

4. Clinical Characteristic and Outcomes of Patients with COVID-19 in a Community Hospital in Michigan Jurgena Tusha, Verisha Khanam, Vesna Tegeltija, and **Sarwan Kumar** Chest 158 Issue 4A1175 Published in issue: October, 2020
5. Empirical therapy in management of pneumonia with multidrug resistant risk factors A Retrospective analysis comparing vancomycin plus Piperacillin/Tazobactam versus Vancomycin plus cefepime Radha Kishan Adusumilli **Sarwan Kumar**
DOI: <https://doi.org/10.1016/j.chest.2020.09.221>
6. Biomarker of covid pneumonia vs congestive heart failure : A key to disease diagnosis Laith Al-janabi, **Sarwan Kumar** Chest. 2020 Oct; 158(4): A602. doi: 10.1016/j.chest.2020.08.567
7. Sequential Organ Failure Assessment Score in patients infected with SARS COV-2
8. Verisha Khanam, **Sarwan Kumar** Chest Vol. October 2020 DOI: <https://doi.org/10.1016/j.chest.2020.08.567>
9. 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/ajrccm-conference.2021.203.1_
10. Impact of Angiotensin Converting Enzyme Inhibitors/angiotensin Receptor Blockers on Mortality and Severity of Covid-19 Pneumonia
Ankit Aggarwal **sarwan kumar** Nov 2020 https://doi.org/10.1161/circ.142.suppl_3.16726
Circulation. 2020;142: A16726
11. Aggarwal A, **Kumar S**. Efficacy and Safety of dexmedetomidine in management of alcohol withdrawal: Evidence from a meta-analysis. CHEST. May 2020. Pub Status: Accepted
12. Aggarwal A, **Kumar S**. Are We Over-utilizing Echocardiogram for the Evaluation of Syncope Patients? Circulation: Cardiovascular Quality and Outcomes 13 (Suppl_1), A367-A367
13. Aggarwal A, **Kumar S**. 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 2020 May; 201: A7270.
14. Aggarwal A, **Kumar S**. Post-Operative Euglycemic Diabetic Ketoacidosis: When Guidelines Failed. American Journal of Respiratory and Critical Care Medicine 2020 May; 201: A5159.
15. Aggarwal A, **Kumar S**. Comparing safety and efficacy of verapamil versus diltiazem in atrial fibrillation and flutter with rapid ventricular response. Journal of the American College of Cardiology. March 2020, Volume 75(Issue 11) Supplement 1.
16. Sourabh, Jain A, Aggarwal A, **Kumar S**, Ralh N. Glycogen Hepatopathy: An Unusual Cause of Liver Enzymes Elevation in Diabetic Patients. American Journal of Gastroenterology: 2019 October; Volume 114(Issue p):S1286.
17. Uchel T, **Kumar S** et al. Evaluating efficiency of rapid response teams in identifying sepsis in hospitalized patients and the effect on mortality and length of admission. CHEST, Vol. 156, Issue 4, A1627.
18. Jain A, Aggarwal A, **Kumar S**. An Unusual Cause of Diffuse Pulmonary Hemorrhage. Am J Respir Crit Care Med. 2019, May; Vol 199 | No. 9(Abstract issue): A-1487.
19. Aggarwal A, Jain A, & **Kumar S**. Secondary Evans Syndrome: A Rare Presentating Manifestation of Systemic Lupus Erythematosus. J Gen Intern Med. 2019, May; Vol 34(May 2019): pp 1-769.
20. Chams S, Bal J, Aggarwal A, Patel M, Hong G, Tegeltija V, **Kumar S**. A process to improve cardiac telemetry use in a community Hospital. J Gen Intern Med. 2019, May; Vol 34(May): Pg 1-769.
21. Aggarwal A, **Kumar S**. STEMI in a young patient: Role of an Internist. J Gen Intern Med. 2019, May; Vol 34(May): Pg 1-769.
22. Jain, A, Aggarwal A, Alhalabi L & **Kumar S**. Survival Benefit of Beta Blockers in patients hospitalized for Acute exacerbation of COPD. CHEST Journal. 2018, Oct; Vol 154(Issue 4): 742A.
23. Aggarwal A, Jain A, Alhalabi L & **Kumar S**. 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. 2018, Apr; Vol 33(Suppl 2)(April 2018): 83-840.
24. Jain A, Aggarwal A, **Kumar S**. Adverse effect of steroids - Prolonged length of hospitalization in Chronic Obstructive Pulmonary Disease (COPD) exacerbation patients with chronic heart failure. J Gen Intern Med. 2018, Apr; Vol 33(suppl 2)(April 2018): 83-840.

25. Mahdawi R, Kumar S, Kulairi Z et al. Acute Cholecystitis and Duodenitis: A Rare Case Presentation of Churg Strauss Syndrome. Chest. 2016; 150(4_S):301A-301A.
26. Aggen D, Kumar S, Ghabsha A. How Cold Is Cold Enough? Retrospective Review of Therapeutic Hypothermia Outcomes and Protocol Revision in a Community-Based Hospital "Chest. 2015; 148(4_MeetingAbstracts):241A-241A.
27. Asghar S, Kumar S. Spontaneous Pneumothorax with Extensive Subcutaneous Emphysema: Rare Complication of Shoulder Arthroscopy. Chest. 2015; 148(4_MeetingAbstracts):34A-34A.
28. Naseer M, Kumar S, Waseem B. Factors Affecting Length of Hospitalization Amongst Patients Admitted With Acute COPD Exacerbation in Multivariate Model. Chest. 2015; 148(4_MeetingAbstracts):757A-757A.
29. Azam M, Kumar S. Acute Eosinophilic Pneumonia: A Rare Side Effect of Daptomycin. Chest. 2014; 146 179A-179A.
30. Venkatachalam K, Kumar S. Influence of BMI on Rate of Readmission Chest. 2014; 146 552A-552A.
31. Azam M, Kumar S. Pleomorphic Lung Carcinoma: A Notoriously Aggressive Tumor with Rapid Progression Chest. 2014; 146 663A-663A.
32. Aulakh S, Kumar S. Maggots' Infestation as a Predisposing Condition for Heparin-Induced Thrombocytopenia, a Newest Entity. Blood Volume: 124 Issue: 21 Pages: 5021 - 5021.
33. Aulakh S, Kumar S. Autoimmune Hemolytic Anemia with Venous Thromboembolism, a Common Complication of a Rare Disease. Blood Volume: 124 Issue: 21 Pages: 4869 - 4869.

PRESENTATIONS

Podium Presentations (refereed)

International/National

1. Tsveti Markova Sarwan Kumar Standardizing Transitions of Care (TOC): Monitoring Resident Handoffs Using the SAIF-IR Mnemonic" GRA and ORR spring meeting in Chicago.
2. Aggarwal A, Jain A, Kumar S. An unusual cause of diffuse pulmonary hemorrhage. Oral Presentation National ACP, Philadelphia 2019(Winner).
3. Chams S, Kumar S. Inappropriate use of in PPI in hospital. Oral presentation National ACP New Orleans 2018(Winner)

Local/Regional

1. Jain A, Aggarwal A, Kumar S et al. Efficacy and Safety of dexmedetomidine in management of alcohol withdrawal: Evidence from a meta-analysis. Virtual oral presentation at SEMCME. May 2020.
2. Aggarwal A, Jain A, Kumar S et al. "Cardiac Care Checklist": An initiative to improve screening for cardiovascular diseases in a resident-driven clinic. Virtual oral presentation at Michigan QI Summit. May 2020.
3. Gonzales V, Kumar S et al. ICU transition of care. Virtual oral presentation at Michigan QI Summit. May 2020.
4. Giri P, Jain A, Kumar S et al. Improving resident error reporting in a community hospital. Virtual oral presentation at Michigan QI Summit. May 2020.
5. Dhawan M, Kumar S et al. Improving Vitamin K Dosing for Supratherapeutic INR. Virtual oral presentation at Michigan QI Summit. May 2020.
6. Al-janabi L, Kumar S et al. Limiting Amylase Testing in Acute Pancreatitis. Virtual oral presentation at Michigan QI Summit. May 2020.
7. Pochtarev V, Kumar S et al. Process Improvement to Reduce Inappropriate Use of Total Parenteral Nutrition. Virtual oral presentation at Michigan QI Summit. May 2020.
8. Hamdon M, Kumar S et al. Decreasing Inappropriate Use of Vancomycin. Virtual oral presentation at Michigan QI Summit. May 2020.

9. Patel M, Kumar S et al. A Process to Improve Cardiac Telemetry Use in a Community Hospital. Virtual oral presentation at Michigan QI Summit. May 2020.
10. Jain A, Kumar S. Triple anticoagulation/antiplatelet therapy causing heavy menstrual bleeding in a premenopausal female: a case report with a therapeutic dilemma. Plenary oral presentation at SGIM Mid-West. Sept 2019.
11. Aggarwal A, Kumar S et al. Assessing the Association of Re-admission rate with Timeliness and Quality of Discharge Summaries in Community Hospital. Oral presentation at SEMCME May 2019.
12. Hong G, Kumar S et al. A Process to Improve Cardiac Telemetry Use in a Community Hospital. Oral presentation at Michigan QI Summit. May 2019. (Winner)
13. Jain A, Aggarwal A, Kumar S. Post-Operative Euglycemic Diabetic Ketoacidosis: When Guidelines Failed. Plenary oral presentation at SGIM Mid-West. Sept 2018.
14. Jain A, Aggarwal A, Kumar S. Effect Of Albumin On Anti-coagulation With Warfarin: Is it just a Theory? Oral Presentation at ACP Resident Day. May 2018.

Poster Presentations (refereed)

International/National

1. THE SIGNIFICANCE OF ORAL ASCORBIC ACID IN PATIENTS WITH COVID-19
 Authors: M Patel, Hong, G., Schmidt, B., Al-Janabi, L., Adusumilli, K., Tusha, J., Giri, P, **Sarwan Kumar**
 Poster Presentation: Chest
 Poster Presentation: SGIM Midwest
2. Corticosteroid treatment in patients with severe COVID-19 pneumonia
 Authors: Hong, G. Patel, M., Schmidt, B., Giri, P, **Sarwan Kumar**
 Poster Presentation: Chest October 2020
 Poster Presentation: ACP MI October 2020
 Poster Presentation: SGIM Midwest 2021
3. Sudden Cardiac Death and The Peculiar Covid-19 Case
 Authors: Danyal Taheri, Jurgena T, Verisha K, Padmini G, **Sarwan Kumar**
 Poster Presentation: Chest October 18-21, 2020
4. Sequential Organ Failure Assessment Score in patients infected with SARS COV-2
 Authors: Verisha Khanam, Jurgena Tusha Danyal Taheri Abkouh Laith Al-Janabi, **Sarwan Kumar**, Vesna Tegeltija
 Poster Presentation: Chest October 2020
 Poster Presentation: SGIM Midwest
5. The MULBSTA Score: Predicting Risk of Mortality and Disease Severity in Patients with COVID-19 Pneumonia. Jurgena Tusha, Verisha Khanam, V. Tegeltija, **Sarwan Kumar**
 Poster Presentation: Chest
 Oral Presentation: SGIM Midwest
 Poster Presentation: AMA Research Symposium December 2020
6. Clinical Characteristic and Outcomes of Patients with COVID-19 in a Community Hospital in Michigan Jurgena Tusha, Verisha Khanam, V. Tegeltija, **Sarwan Kumar**
 Poster Presentation: Chest October 2020
 Poster Presentation: SGIM Midwest
7. Utilization of Procalcitonin to Guide Antibiotic Discontinuation in Respiratory Tract Infections in a Community Hospital
 M. Goel, A. Aggarwal S. Bidhan, **S. Kumar**, V. Tegeltija
 Poster Presentation SGIM National 2021
8. High Intensity Interval Training: A Risky New Fitness Trend.
 Jurgena Tusha, Verisha Khanam. M Fityan, **S. Kumar**.
 Poster Presentation: SGIM Midwest
9. Cardiac Care Checklist. An initiative to improve the screening of cardiovascular

- diseases in a resident-driven internal medicine clinic. Ankita A, Anubhav J, Mishita G, Zach, J Zebelian, **S. Kumar** Poster Presentation: ACP MI October 2020
10. Biomarker of Covid Pnemonia vs congestive heart failure OF COVID PNEUMONIA VS CONGESTIVE HEART FAILURE: A key to disease diagnosis
Laith Al-Janabi, Vesna Tegeltija, **Sarwan Kumar** Poster Presentation: Chest October 2020
 11. A process to monitor and improve scholarly activities during residency
Zain Kulairi, Ankita Aggarwal, Mohammad Fityan, Vesna Tegeltija, **Sarwan Kumar**
WSUSOM Medical Education Research and Innovation Conference
AAIM Conference 2021
APDIM conference 2021
 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
 13. Aggarwal A, **Kumar S.** Efficacy and Safety of dexmedetomidine in management of alcohol withdrawal: Evidence from a meta-analysis. e-poster CHEST Congress. June 2020.
 14. Aggarwal A, **Kumar S.** Are We Over-utilizing Echocardiogram for the Evaluation of Syncope Patients? e-poster AHA QCOR. May 2020.
 15. Aggarwal A, **Kumar S.** Low dose Ultrasound Assisted Catheter Directed Thrombolysis in a High Bleeding Risk Patient with Massive Pulmonary Embolism - A Success Story. e-poster ATS. May 2020.
 16. Aggarwal A, **Kumar S.** Post-Operative Euglycemic Diabetic Ketoacidosis: When Guidelines Failed. e-poster ATS. May 2020.
 17. Aggarwal A, **Kumar S.** Comparing safety and efficacy of verapamil versus diltiazem in atrial fibrillation and flutter with rapid ventricular response. e-poster ACC. March 2020.
 18. Sourabh, Jain A, Aggarwal A, **Kumar S,** Ralh N. Glycogen Hepatopathy: An Unusual Cause of Liver Enzymes Elevation in Diabetic Patients. ACG. October 2019.
 19. Uchel T, **Kumar S** et al. Evaluating efficiency of rapid response teams in identifying sepsis in hospitalized patients and the effect on mortality and length of admission. CHEST October 2019.
 20. Jain A, Aggarwal A, **Kumar S.** An Unusual Cause of Diffuse Pulmonary Hemorrhage. ATS. May 2019
 21. Aggarwal A, Jain A, & **Kumar S.** Secondary Evans Syndrome: A Rare Presenting Manifestation of Systemic Lupus Erythematosus. National SGIM. May 2019.
 22. Chams S, Bal J, Aggarwal A, Patel M, Hong G, Tegeltija V, **Kumar S.** A process to improve cardiac telemetry use in a community Hospital. National SGIM. May 2019.
 23. Aggarwal A, **Kumar S.** STEMI in a young patient: Role of an Internist. National SGIM. May 2019.
 24. Jain, A, Aggarwal A, Alhalabi L & **Kumar S.** Survival Benefit of Beta Blockers in patients hospitalized for Acute exacerbation of COPD. CHEST. October 2018.
 25. Aggarwal A, Jain A, Alhalabi L & **Kumar S.** Positive effect of Beta(B) blockers on the length of stay in patients hospitalized for acute exacerbation of COPD: A retrospective chart analysis. National SGIM. April 2018.
 26. Jain A, Aggarwal A, **Kumar S.** Adverse effect of steroids - Prolonged length of hospitalization in Chronic Obstructive Pulmonary Disease (COPD) exacerbation patients with chronic heart failure. National SGIM. April 2018.
 27. Tegeltija V, **Kumar S.** Improving Error reporting in community Hospital a quality improvement project. National SGIM. April 2018.
 28. Chams S, **Kumar S.** Overutilization of Telemetry in inpatient setting and economic burden. **National ACP. March 2018**
 29. Sobilo A, **Kumar S.** Improving appropriate use of anti-hypertensive in hospital. **National ACP. March 2018.**
 30. Shah K, **Kumar S.** Plastic bronchitis (PB) complicated with pneumomediastinum and pneumopericardium in a young female: A rare complication of status asthmaticus. National SGIM. April 2017.
 31. Naseer M, **Kumar S.** Failed IVIG treatment for severe complicated C -Diff colitis. National SGIM. April 2017.

32. Mahdawi R, Kumar S, Kulairi Z et al. Acute Cholecystitis and Duodenitis: A Rare Case Presentation of Churg Strauss Syndrome. CHEST. October 2016.
33. Hanoodi F, Kumar S. Streptococcus intermedius Causing Necrotizing Pneumonia in an Immune Competent Female AMA. June 2016.
34. Aggen D, Kumar S, Ghabsha A. How Cold Is Cold Enough? Retrospective Review of Therapeutic Hypothermia Outcomes and Protocol Revision in a Community-Based Hospital. CHEST. October 2015.
35. Asghar S, Kumar S. Spontaneous Pneumothorax with Extensive Subcutaneous Emphysema: Rare Complication of Shoulder Arthroscopy. CHEST. October 2015.
36. Naseer M, Kumar S, Waseem B. Factors Affecting Length of Hospitalization Amongst Patients Admitted with Acute COPD Exacerbation in Multivariate Model. CHEST. October 2015.
37. Naseer M, Kumar S. Cardiac Tamponade as a Presenting Manifestation of Infliximab-Induced Lupus in Patient Treated for Crohn's Disease: A Case Report and Literature Review. ACG. October 2015.
38. McMann L, Kumar S. Idiopathic Occipital Neuralgia A Rare Cause of Debilitating Headache. National SGIM. April 2015.
39. McMann L, Kumar S. A Case of Cervical Manipulation Causing Stroke & Exploring its Biomechanics. National SGIM. April 2015.
40. Al-Mahdawi R, Kumar S. Marijuana induced biliary dyskinesia. National SGIM. April 2015.
41. Yuseif J, Kumar S. A Case of Pneumococcal Meningitis After Epidural Steroid Injection. National SGIM. April 2015.
42. Aulakh S, Kumar S. Gastrointestinal tract as a source of clots in the brain: cerebral venous sinus thrombosis in crohns disease, a rare complication. World Congress of Internal Medicine. December 2014.
43. Aulakh S, Kumar S. Maggots' infestation as a predisposing condition for heparin-induced thrombocytopenia. World Congress of Internal Medicine. December 2014.
44. Azam M, Kumar S. Acute Eosinophilic Pneumonia: A Rare Side Effect of Daptomycin. CHEST. October 2014.
45. Venkatachalam K, Kumar S. Influence of BMI on Rate of Readmission. CHEST. October 2014.
46. Azam M, Kumar S. Pleomorphic Lung Carcinoma: A Notoriously Aggressive Tumor with Rapid Progression CHEST. October 2014.
47. Aulakh S, Kumar S. Maggots' Infestation as a Predisposing Condition for Heparin-Induced Thrombocytopenia, a Newest Entity. ASH. August 2014.
48. Aulakh S, Kumar S. Autoimmune Hemolytic Anemia with Venous Thromboembolism, a Common Complication of a Rare Disease. ASH. August 2014.
49. Aulakh S, Kumar S. Autoimmune Hemolytic Anemia with VTE: Common complication of a rare disease. National SGIM. April 2014.
50. Aulakh S, Kumar S. Extensive Aortic thrombus in Ulcerative Colitis: Common disease with Unusual complication. National SGIM. April 2014.
51. Azam O, Kumar S. Paget - Schroetter Syndrome: A case to remember!' "Paget - Schroetter Syndrome: A case to remember! National SGIM. April 2014.
52. Dalay F, Kumar S. Leydig cell tumor and endometrial hyperplasia: a rare association. American Association of Clinical Endocrinology. April 2013
53. Kulairi Z, Kumar S. von-Willebrand Disease and Schwannomatosis: Role of Pseudogene! National ACP. April 2013(Winner).
54. Maeza A, Kumar S. Association of Body Mass Index and Colon Cancer. National ACP. April 2013
55. Kulairi Z, Kumar S. A case of Hashimoto's Thyroiditis following Parathyroidectomy. AMA. November 2012
56. Jain R, Kumar S. Back Surgery / Sudden cardiac death: Interesting case of Takotsobu Cardiomyopathy. AMA. November 2012.
57. Mehrotra A, Kumar S. Falling through the cracks: Statin usage based on Population Characteristics in Ambulatory Care. National SGIM. May 2012.

Local/Regional

1. Improving ICU Transition of Care, a QI Initiative
2. Bernadette Schmidt, Victoria Gonzalez, Danyal Taheri Abkouh, **Sarwan Kumar** SEMCME QI Summit 2021
3. Cardiac Care Checklist": An Initiative To Improve The Screening Of Cardiovascular Diseases In A Resident Internal Medicine Clinic Mishita Goel, **Sarwan Kumar** SEMCME QI Summit 2021
4. Standardize Treatment of Inpatient Asymptomatic Hypertension
Trushya Reddy, Bernadette Schmidt, Aldin Jerome, FNU Sourabh, Vesna Tegeltija*, **Sarwan Kumar** SEMCME QI Summit 2021
5. Decreasing Inappropriate Use of Vancomycin Monica Dhawan, George Nahal, Mohamad Albu, **Sarwan Kumar**, Vesna Tegeltija SEMCME QI Summit 2021
6. Patel M, **Kumar S** et al. A Process to Improve Cardiac Telemetry Use in a Community Hospital. **ACP MI. October 2019. (Winner)**
7. Aggarwal A, **Kumar S**. Triple anticoagulation/antiplatelet therapy causing heavy menstrual bleeding in a premenopausal female: a case report with a therapeutic dilemma. ACP MI. October 2019.
8. Gonzales V, **Kumar S**. Significance of higher MAP after inpatient cardiac arrest in improving neurological outcome and mortality. SGIM Mid-West September 2019.
9. Dhawan M, **Kumar S**. Comparing outcomes in patient with Community-acquired pneumonia being treated with levofloxacin monotherapy versus azithromycin and ceftriaxone. SGIM Mid-West September 2019.
10. Chawla R, **Kumar S**. Improving Vitamin K dosing in patients with supratherapeutic INR. SGIM Mid-West September 2019.
11. Al-Janabi, **Kumar S**. The yield of head CT in ED and clinical indication with the scoring system of non-traumatic emergency department patient. SGIM Mid-West September 2019.
12. Sourabh, **Kumar S**. Ibrutinib induced bleeding in a patient on warfarin. SGIM Mid-West September 2019.
13. Aggarwal A, **Kumar S**. Failure of anticoagulation for secondary prevention of recurrent stroke in a patient with new diagnosis of cholangiocarcinoma. SGIM Mid-West September 2019.
14. Aggarwal A, Badran R, Fityan M, **Kumar S**. Improving morning hospital discharges in an inpatient internal medicine service. Michigan QI Summit. May 2019.
15. Hamdon M, Fityan M, **Kumar S**. BEERs' criteria Medications and patient safety, do we apply it in our practice? SGIM Mid-West September 2018.
16. Hamdon M, **Kumar S**. Tigecycline Induced Acute Liver Failure. SGIM Mid-West September 2018.
17. Khanam V, **Kumar S**. UTI Workup in the Hospital. SGIM Mid-West September 2018.
18. Khanam V, **Kumar S**. Overutilization of Troponin. SGIM Mid-West September 2018.
19. Masso L, **Kumar S**. Overutilization of Amylase Testing in Acute Pancreatitis. Michigan QI Summit. May 2018.
20. Uchel T, **Kumar S**. Permissive Hypothermia: How cold is Cold enough? Michigan QI Summit. May 2018.
21. Abbineni U, **Kumar S**. Decreasing Inappropriate Use of IV Levofloxacin in a Hospital Setting. Michigan QI Summit. May 2018.
22. Chams S, **Kumar S**. Process to Improve Cardiac Telemetry Use in a Community Hospital. Michigan QI Summit. May 2018.
23. Gandhi J, **Kumar S**. Overutilization of Imaging Modalities in Patients at Low Risk for Pulmonary Embolism. Michigan QI Summit. May 2018.
24. Wenzlick L, **Kumar S**. Improving Resident Error Reporting. Michigan QI Summit. May 2018.
25. Salman J, **Kumar S**. Inappropriate Use of IV Anti-Hypertensives. Michigan QI Summit. May 2018.
26. Hamdon M, **Kumar S**. Prevention of Hypoglycemia in a Community Hospital. Michigan QI Summit. May 2018.
27. Kapadia D, **Kumar S**. Restrict fluoroquinolone use in simple infection. Michigan QI Summit. May 2018.

28. Mandalapu T, **Kumar S**. Process Improvement to Reduce Inappropriate Utilization of Total Parenteral Nutrition. Michigan QI Summit. May 2018.
1. El-Sayegh S, **Kumar S**. Limiting Inappropriate Proton Pump Inhibitors Use in a Community Hospital. Michigan QI Summit. May 2018.
 2. Fabry D, **Kumar S**. Administration of Vitamin K in Patients with Supratherapeutic INR. Michigan QI Summit. May 2018.
 3. Uchel T, **Kumar S**. Reducing Inappropriate Use of IV Fluid Therapy. Michigan QI Summit. May 2018.
 4. Villaflor J, **Kumar S**. Utilizing Peak Expiratory Flow Rate in Acute Asthma Exacerbation. Michigan QI Summit. May 2018.
 5. Hourani O, **Kumar S**. Small Bowel Obstruction Mimicking Acute ST-Elevation. ACP MI October 2017.
 6. Ali I, **Kumar S**. Improving Appropriate Use of IV Levofloxacin in the Hospital Setting. ACP MI October 2017.
 7. Barkazi A, **Kumar S**. Reducing Unnecessary Testing: Ultrasound in Acute Kidney Injury. ACP MI October 2017.
 8. Mandapalu T, **Kumar S**. Preventing hypoglycemia and hyperglycemia during hospitalization by reducing the use of oral hypoglycemic drug. ACP MI October 2017.
 9. Jacob S, **Kumar S**. A Shared Channelopathy: Brugada and Long QT Syndrome. ACP MI October 2017.
 10. Fityan M, **Kumar S**. Reducing Intravenous Fluid Use in a Community Hospital. ACP MI October 2017.
 11. Shah K, **Kumar S**. Multi-drug resistant Acinetobacter baumannii and Multiple Sclerosis: when conventional treatment fails. ACP Michigan Resident's day May 2017.
 12. Hourani O, **Kumar S**. Diabetic Foot Ulcer: an unlikely source of Spinal Epidural Abscess. ACP Michigan Resident's day May 2017.
 13. Mandalapu T, **Kumar S**. A rare case of Hyperosmolar hyperglycemic state presenting as Focal seizures. ACP Michigan Resident's day May 2017.
 14. Hanoodi F, **Kumar S**. Adverse effects of steroid therapy on cardiac events. ACP Michigan Resident's day May 2017.
 15. Fabry D, **Kumar S**. Improving Resident Error Reporting. ACP Michigan Resident's day May 2017.
 16. Barkazai A, **Kumar S**. Reducing Unnecessary Testing: Ultrasound in Acute Kidney Injury. ACP Michigan Resident's day May 2017.
 17. Ali I, **Kumar S**. Sepsis, hepatitis and acute renal failure with herpes simplex esophagitis in immunocompetent patient. ACP MI October 2016.
 18. Al-Madwi R, **Kumar S**. PE and Stanford Type B Dissection Causing Chest Pain in The Same Patient. ACP MI October 2016.
 19. Tegeltija V, **Kumar S**. How to improve Error Reporting Michigan. Michigan QI Summit. May 2016.
 20. Al-Mutar S, **Kumar S**. Inappropriate Use of Cardiac Telemetry. Michigan QI Summit. May 2016.
 21. Tegeltija V, **Kumar S**. Inappropriate use of IV anti-hypertensive medications. Michigan QI Summit. May 2016.
 22. Hull A, **Kumar S**. Use of Peak Flow Measurement on Presentation for Acute Asthma Exacerbation. Michigan QI Summit. May 2016.
 23. Hannoudi F, **Kumar S**. Improving clinical documentation by generating accurate problem lists. Michigan QI Summit. May 2016.
 24. Hannoudi F, **Kumar S**. Adherence to specific guidelines for treatment of acute pancreatitis. Michigan QI Summit. May 2016.
 25. Gandhi J, **Kumar S**. BP management by pharmacological intervention in resident's clinic in a community hospital. Michigan QI Summit. May 2016.
 26. Jandali H, **Kumar S**. Triage of potential PE patients: appropriate use of CT Angiogram. Michigan QI Summit. May 2016.
 27. Barkazi A, **Kumar S**. U/S use in the AKI. 37. Michigan QI Summit. May 2016.
 28. Gjeka R, **Kumar S**. Azole Antifungal Hepatotoxicity: Better be Safe than Sorry in Patients with Impaired Renal Function! ACP MI October 2014.

29. Aulakh S, **Kumar S**. Effective but underutilized L-carnitine as an antidote for valproic acid toxicity. Morel-Lavallée lesions -An Obscure Cause for Persistent Post Traumatic Knee Swelling. ACP MI October 2014.
30. Azam O, **Kumar S**. Looking Beyond the D-Dimer: A Case of Elevated D-Dimer in Urticaria. ACP Michigan Resident's day May 2014.
31. Kulairi Z, **Kumar S**. QT prolongation!! Might be initial presentation with Hyperthyroidism. ACP Michigan Resident's day May 2014.
32. Aulakh S, **Kumar S**. Cautious traveling of the world - Plasmodium Falciparum, a reason for admission! ACP Michigan Resident's day May 2014.
33. Thittina J, **Kumar S**. Imatinib for Hemangioendothelioma. ACP Michigan Resident's day May 2013.
34. Kodlipet K, **Kumar S**. A novel (Synergy) against methicillin-resistant staphylococcus aureus bacteremia. ACP Michigan Resident's day May 2013.
35. Al-Tabaqchaly, **Kumar S**. Left Main Coronary Artery Aneurysm -> life threatening condition with gray zone treatment. SGIM Mid-West September 2012.
36. Al-Shuwaykh H, **Kumar S**. Volume Depletion in elderly, social dilemma with life threatening condition. ACP Michigan. October 2012.
37. Mehrotra A, **Kumar S**. A Case of Neuroleptic Malignant Syndrome Presenting after Five years" ACP Michigan. October 2012.
38. Maeza A, **Kumar S**. Joseph Skooney. Emphasis on Importance of Education for Abdominal Ultrasound Screening for Abdominal Aortic Aneurysm. ACP Michigan. October 2012.
39. Maeza A, **Kumar S**. Association of Body Mass index and Colon Cancer. ACP Michigan. October 2012
40. Kavya K, **Kumar S**. Zakaria K, Manickam P Anti-Inflammatory Effect of Statin - Not a myth anymore! ACP Michigan. October 2012.
41. Al-Tabaqchaly, **Kumar S**. Chest X-ray Cavitory lesion Artifact-Grave to benign diagnosis. ACP Michigan Resident's day May 2012.
42. Al-tabaqchali S, **Kumar S**. Atrial Septal Defect - From the Heart to the Legs - A rare case of septal occluder Migration. ACP Michigan Resident's day May 2012.
43. Jain R, **Kumar S**. Daptomycin induced pneumonia. ACP Michigan Resident's day. May 2012.
44. Kodlipet K, **Kumar S**. Diffuse large B-cell lymphoma (DLBCL), in the setting of lymphocyte-predominant Hodgkins Lymphoma (LPHL). ACP Michigan Resident's day. May 2012.
45. Mehrotra A, **Kumar S**. Falling through the cracks: Statin usage based on Population Characteristics in Ambulatory Care. ACP Michigan Resident's day. May 2012.
46. Mehrotra A, **Kumar S**. Drug-Induced Acute Pancreatitis: Tapentadol (Nucynta). ACP Michigan Resident's day. May 2012.
47. Mehrotra A, **Kumar S**. Drug-Induced Acute Pancreatitis: Tapentadol. Michigan Association of Physicians of Indian. March 2012.
48. Chugh K, **Kumar S**. Favorable Effect of Helicobacter Pylori on Serum Lipid Profile. Michigan State Medical Society. November 2011.
49. Kulairi Z, **Kumar S**. Impact of Hepatitis C virus seropositivity in lung transplantation. Michigan State Medical Society. November 2011.

Seed Grant

Resident Physicians' Physical Wellness: An initiative to identify and curb burnout and depression

Principal Investigator: Mishita Goel, M.D. Mentor: Sarwan Kumar, M.D.

GME has 2020-21 Seed Grant application for a project in Process

Grant Review Committees

- Grants Review Committee member WSU,
(Reviewed grants submitted to WSU Education Committee)
- Abstract reviewer and Judge for poster competition for ACP Associates Meeting
- Abstract Reviewer for Michigan ACP Fall Scientific Meeting
- Abstract reviewer and Judge for poster competition for Michigan Summit on Quality Improvement and Patient Safety

2013-present

2013-present

2016 present