

## St. Mary Medical Center Internal Medicine

### 2023-24 Scholarship Activity and Research

A Great Imitator Presenting as Crescentic Glomerulonephritis with Membranous Features. Christine A Ellis MD; Ankita Patel MBBS; Naga Ganti MBBS; Umang Patel DO; Allison Keenan DO. Poster presentation for ACOI conference 2023.

Pak.D; Kaul.K; May.P; Assaassa.A; Malinis.J; Khreshi.S; Hussain.S; Altit.R - Simultaneous Watchman and Atrial Septal defect Closure in setting of significant Gastrointestinal bleeding - Journal of the American College of Cardiology, April 2024. DOI: 10.1016/S0735-1097(24)05831-5.

Pak.D; Kaul.K; May.P; Assaassa.A; Malinis.J; Khreshi.S; Hussain.S; Rabinovich.A; Altit.R - Impella-Assisted High-Risk PCI in Patient With Severe Aortic Valvular Disease With Near Complete Recovery Following TAVR - Journal of the American College of Cardiology, April 2024. DOI: 10.1016/S0735-1097(24)05830-3.

Kaul.K; Pak.D; Khreshi.S; Patel.U - Curious case of confusion - PA-ACP Southeastern Region, October 2023. DOI: 10.13140/RG.2.2.14456.01285.

Pak.D; Kaul.K; Nguyen.T; Assaassa.A; May.P; Khreshi.S; Hussain.S; Rabinovich.A; Malinis.J; Solomon.B; Patel.U - Crowded Space: A Case of Cardiogenic Shock Caused by Compressive Intrathoracic Paraesophageal Hernia - CHEST, Volume 164, Issue 4, A2223 - A2224 - April 2023. <http://dx.doi.org/10.1016/j.chest.2023.07.1502>.

Gattas.B; Kaul.K; Assaassa.A; Patel.U - A case of bilateral renal artery thrombosis in the setting of fibromuscular dysplasia - Published - SGIM - October 2022  
[https://www.researchgate.net/publication/370131403\\_A\\_case\\_of\\_bilateral\\_renal\\_artery\\_thrombosis\\_in\\_the\\_setting\\_of\\_fibromuscular\\_dysplasia](https://www.researchgate.net/publication/370131403_A_case_of_bilateral_renal_artery_thrombosis_in_the_setting_of_fibromuscular_dysplasia).

Kaul.K; Patel.R; Pak.D; Patel.U - QI project: Utilization of Ultrasound in patients with lower extremity cellulitis for diagnosis of DVT. - (Working).

Kaul.K; Patel.R; Pak.D; Kuknoor.S; Patel.U - Review article: Thrombocytopenia Absent Radius (TAR) syndrome management in pregnancy. - (Ready for submission).

9. Patel.R; Kaul.K; Patel;U. - Portal vein thrombosis in a case of liver abscess. - (Submitted to ACP).

Kaul.K; Malinis.J; Patel.U; Patel.R; Pak.D- Severe dural venous sinus thrombosis secondary to testosterone supplementation - (Submitted to ACP).

Kaul.K; Kelly.M; May.P; Nguyen.T; Patel.U - Cardiac Tamponade due to Diffuse large B-cell lymphoma/Plasmablastic lymphoma in an immunocompetent individual. - (Submitted to Cureus/Accepted).

Kaul.K; Zubair.H; Maddeti.N; Avinash.B.K; J. Charles - Platelet Dysfunction in Acute Kidney Injury (AKI) — Oral Presentation - JC Medical Institute Teleconference - August 20, 2021.

Kaul.K; Pak.D; Khreshi.S; Patel.U - Curious case of confusion - Poster Presentation - PA-ACP Southeastern Region, October 2023.

Patel.R; Kaul.K; Parikh.C; Sonaiya.S; Moliya.P; Shah.Y - Pulmonary Embolism in Chronic Pancreatitis: A Retrospective Analysis of Predictors and Clinical Outcomes. - American College of Gastroenterology (Accepted).

Cardiac Tamponade due to Diffuse Large B-cell Lymphoma/Plasmablastic Lymphoma in an Immunocompetent Patient, Cureus Case Report, May 2024

Simultaneous ASD Closure and LAAO in the Setting of Significant GI Bleeding, ACC Case Report + Poster Presentation, April 2024

Impella-assisted High-Risk PCI and Severe AV Disease with Recovery After TAVR, ACC Case Report + Poster Presentation, April 2024

Early Diagnosis and Management of Apical Ventricular Septal Defect Complicating an Anterior MI, ACC Case Report +Poster Presentation, April 2024

Pak D, Park HJ. Behcet disease: an undifferentiating and complex vasculitis. Postgrad Medicine. 2022. <https://doi.org/10.1080/00325481.2022.2159205>

Sia T, Cunningham E, Miller M, et al. Food elimination diet is a viable alternative therapy for eosinophilic esophagitis responsive to proton pump inhibitors. BMC Gastroenterol. 2023;23(1):60. <https://doi.org/10.1186/s12876-023-02703-9>

Leung J, et al. Combination of proton pump inhibitors and food elimination diet for eosinophilic esophagitis refractory to monotherapy. Gastro Hep Advances. 2022;1(4):596-600. <https://doi.org/10.1016/j.gastha.2022.04.002>

Pak D et al. “An unusual case of sepsis: invasive liver abscess syndrome singularly due to Klebsiella species”, accepted for poster presentation at CHEST Conference October 2023.

Pak D et al. “Early diagnosis and management of apical ventricular septal defect complicating anterior myocardial infarction”, accepted for poster presentation at ACC Conference 2024, 10.1016/S0735-1097(24)05318-X

Pak D et al. “Use of transcatheter edge-to-edge repair (TEER) in substance abuse mediated non-ischemic cardiomyopathy (NICM) & cardiogenic shock (CS)”, accepted for poster presentation at ACC Conference 2024, 10.1016/S0735-1097(24)05567-0

Shah, K., Htut, T., Gecht, L., Farooqui, S. (2024). Saccharomyces cerevisia subtype boulardii fungemia in a patient treated with a probiotic preparation of the organism.

Htut, T.; Shah, K.; Getch, L. "Bacterial Myositis" THMA research conference

Complete heart block due to cardiac catheterization procedure in patient with pre-existing conduction block - oral presentation on research day and also have a written manuscript done that needs submission

Kaul, K.; Kelly, M.; May, P.; Nguyen, T.; Patel, U. - Cardiac Tamponade due to Diffuse large B-cell lymphoma/Plasmablastic lymphoma in an immunocompetent individual. - (Submitted to Cureus/Accepted).

Meshreky, M. (2024). A case of Fatal rickettsia infection presenting with thrombocytopenia, acute respiratory failure and encephalopathy.

Meshreky, M. (2024). A case of Idiopathic Panniculitis (Inflammation of subcutaneous fat)

Meshreky, M., Malinis, J. (2024). A case of Kleine-Levin Syndrome.

William Miranda; Marwan Ahmed; Snigdha Karnakoti; Muhammad Eltony; Sriharsha Kandlakunta; Marianne Meshreky; Luke Burchill; Heidi M. Connolly. Incidence and Correlates of Mortality in Adults with Congenital Heart Disease of Different Age Groups. International Journal of Cardiology Congenital Heart Disease. Manuscript Number: IJCCHD-D-23-00056

### **Published Peer Reviewed Journal Articles/Abstracts**

1. Patel, R.H., Parikh, C., Paladiya, R., Karna, R., Patel, M., Upadhyay, H., Bilal, M. and Parikh, N.D., 2024. Mo1942 Assessing the Impact of GLP-1 Agonists on Weight Regain for Post-Bariatric Surgery Patients: A Systematic Review. Gastroenterology, 166(5), pp.S-1182.

2. Patel, R.H., Parikh, C., Desai, D. and Patel, M., 2024. Mo2024 Optimizing Care: A Comprehensive Network Meta-Analysis of Strategies for Preventing Esophageal Strictures Post-ESD In Esophageal Neoplasms. Gastroenterology, 166(5), pp.S-1200.

3. Patel R.H., Parikh C, Singh MP, Sharma RK, Gaidhane S, Anand A. Addressing the Challenges of Off-label Corticosteroid Use in Eosinophilic Esophagitis. J Clin Gastroenterol. 2024;58(7):738. Published 2024 Aug 1. doi:10.1097/MCG.0000000000002038

4. Parikh, C., Patel, R.H., Verma, A., Kibret, Y.T., Satapathy, P., Sharma, R.K., Khatib, M.N., Gaidhane, S., Zahiruddin, Q.S. and Rustagi, S., Promise of maralixibat: Minimizing surgical intervention in progressive familial intrahepatic cholestasis. International Journal of Surgery Open, pp.10-1097.

5. Parikh C.; Patel R.H.; Chopra A; Singh H. S2791 LAMS for Resistant Esophageal Anastomotic Strictures: A Novel Therapy. The American Journal of Gastroenterology 118(10S):p S1902, October 2023. | DOI: 10.14309/01.ajg.0000960804.96942.89
6. Shah H., Parikh C., Patel R.H., Sundarajan R., Upadhyay H., Narula A. Effect of Meqormin on liver transaminases in patients of Non-Alcoholic Fatty Liver Disease: A Systematic Review. (Submitted: AASLD Annual Meeting 2023)
7. Parikh C, Patel R.H., Upadhyay H. Topic: Esophagus Benign-GERD, Achalasia, Motility Abstract ID: 92 Understanding Esophageal Intramural Pseudodiverticulosis: A Systematic Review. Foregut. 2023;3(3):411-412. doi:10.1177/26345161231196018
8. Anand A, Parveen Shaikh N, Patel R.H., et al. Vowst's FDA approval is a boon for the prevention of recurrent Clostridioides difficile infection. Ann Med Surg (Lond). 2023;85(12):5852-5854. Published 2023 Oct 17. doi:10.1097/MS9.0000000000001410
9. Krothapalli N, Patel S, Fayad M, Elmashad A, Patel R.H., Sussman E, Bruno C, Ollenschleger M, Mehta T. (2022, Aug). T. Particle Versus Liquid Embolic Materials in Middle Meningeal Artery Embolization for Chronic Subdural Hematoma. Society of Vascular and Interventional Neurology.
10. B. Saboo, K. Chennamset, Patel R.H., T. Vyas, K. Patel, M. Saiyed, V. Chavda, D. Panchal, R. Goklani. (2022, December 05). Study of oral GLP -1 agonist, semaglutide in persons with Type 2 diabetes ..mellitus. [Poster presented]. International Diabetes Federation World Diabetes Congress 2022/Lisbon, PRT.
11. B.Saboo, T. Vyas, Patel R.H., K. Chennamset, M. Saiyed, A. Gupta, J.Kesavadev. (2022, April 28). Comparative Evaluation of Time In Range (TIR) and Time Below Range (TBR) in persons with Type 1

**RESEARCH WORK Peer Reviewed Journal Articles/Abstracts (other than published)**

1. Patel R.H., Parikh C., Patel M., Patel Y., Desai D., Patel M., Metabolic Effects of DJBS in Obesity: A systematic review and updated meta-analysis (Accepted at American Foregut Society Meeting 2024)
2. Patel R.H., Parikh C., Patel I., Patel J., Gender, Racial and Socioeconomic Disparities in the Prevalence of Barrett's Esophagus: A scope through National Inpatient Database (Accepted at American Foregut Society Meeting 2024)
3. Patel R.H., Parikh C., Patel J., Patel I., Patel V., Early vs Late Endoscopic Management of Bleeding Esophageal Varices: A United States Nationwide Study (Accepted at American Foregut Society Meeting 2024)

4. Patel R.H., Parikh C., Anand A., Liver Resection Triumphs: Redefining Treatment Paradigms for Early Multinodular Hepatocellular Carcinoma: Letter to the Editor (Accepted in International Journal of Surgery Open: May 2024)
5. Patel R.H., Parikh C., Upadhyay H., et al., A Systematic Review on Resmetirom: Arresting NASH/NAFLD Progression (Manuscript Pending Review and Submission)
6. Dahiya D.S., Shah Y., Canakis A., Parikh C., Pinnam, Patel R.H., Singh H., Sohail A.H., Groove Pancreatitis - A Review (Manuscript Accepted in Clinical Gastroenterology and Hepatology Journal)
7. Dave P. Parikh C., Punish R., Patel R.H., Novel Therapies in Advanced Pancreatic Cancer: A Peak Beyond the Realms of Gene Targeting (Manuscript submitted to Annals of Pancreatic Cancer)
8. Patel R.H., Anand A., Parikh C., Letter to the Editor on "The dual effects of dexmedetomidine on the intestinal barrier and intestinal motility during sepsis" (Accepted in Surgery Journal: May 2024)
9. Patel R.H., Parikh C., Sonaiya S., Awan M.R., Moliya P., Comparative Analysis of Liver Biopsy Complications across the United States: A Propensity Matched Study of Patients with Normal and Reduced Platelet Counts Using Inpatient Data (Abstract accepted at AASLD The Liver Meeting 2024)
10. Patel R.H., Parikh C., Sonaiya S., Decoding Acetaminophen Risks: A U.S. Inpatient Data Comparison of Acetaminophen toxicity in patients with Alcoholic and without Alcoholic Liver Disease (Abstract accepted at AASLD The Liver Meeting 2024)
11. Parikh C., Patel R.H., Upadhyay H., Patel M., A Systematic Review on Resmetirom: Arresting MASH/MASLD Progression (Abstract accepted at AASLD The Liver Meeting 2024)
12. Patel R.H., Parikh C., Desai D., Patel M., Patel Y., Kothari T., A Systematic Review and Network Meta-Analysis of Endoscopic Innovations in MASLD Management (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
13. Patel R.H., Parikh C., Patel M., Desai D., Patel Y., Kothari T., Exploring the Metabolic Benefits of Endoscopic Bariatric Therapies: A Network Meta-Analysis (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
14. Patel R.H., Parikh C., Sonaiya S., Moliya P., Shah Y.R., Patel U., H. Pylori: a bane or boon? Impact of H. Pylori Infection on Outcomes in Inflammatory Bowel Disease (Abstract accepted to American College of Gastroenterology Annual Conference 2024)

15. Patel R.H., Parikh C., Sonaiya S., Moliya P., Shah Y., Kaul K., Pulmonary Embolism in Chronic Pancreatitis: A Retrospective Analysis of Predictors and Clinical Outcomes (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
16. Moliya P., Bitar M., Vorugan: H.V., Obaidi H., Patel R.H., Parikh C., Molina U., Cost Reduction in Gastroesophageal Reflux Disease and Helicobacter Pylori treatments: Evaluating impact of MCCPDC on Medicare Expenditures (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
17. Sonaiya S., Bharwad A., Parikh C., Patel R.H., Bush N., Per-Oral Pancreatoscopy guided Laser Lithotripsy (POP-LL) vs Extracorporeal Shockwave Lithotripsy (ESWL) for main pancreatic duct stones: A Cost-effectiveness analysis (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
18. Shah Y.R., Martinez E., Caliwag F., Woldehana N., Khadka N., Barrios R., Parikh C., Shah M., Patel R.H., Advani R., Balancing Benefits and Risks: Evaluating Tranexamic Acid for Management of Acute GI Bleeding - A Systematic Review and Meta-Analysis (Abstract accepted to American College of Gastroenterology annual conference 2024)
19. Patel R.H., Parikh C., Sonaiya S., Patel U., Kothari T., Are Asians and Pacific Islander at Higher Risk? Insights from Hospitalized Patients with Cirrhosis Undergoing Paracentesis (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
20. Mohan R.R., Magam S.R., Magam S.G., Joy M., Na<sup>A</sup> D., Pannikodu L., Lau W., Tadikonda A., Parikh C., Patel R.H., Desai J., Subramani K., Comparative Analysis of Barrett's Esophagus Across Racial Demographics: A 4-year Nationwide Study (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
21. Mohan R.R., Magam S.R., Magam S.G., Joy M., Na<sup>A</sup> D., Pannikodu L., Lau W., Tadikonda A., Patel R.H., Parikh C., Desai J., Subramani K., Mustacchia P., Demographic Determinants of Diverticulitis: A National Database Analysis of Obesity, Race and Gender (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
22. Mohan R.R., Magam S.R., Magam S.G., Joy M., Natt D., Pannikodu L., Lau W., Tadikonda A., Patel R.H., Parikh C., Desai J., Subramani K., Mustacchia P., From Theory to Therapy: How ChatGPT 4.0 and Glass AI are transforming Gastroenterology (Abstract accepted to American College of Gastroenterology Annual Conference 2024)
23. Shah Y.R., Martinez E., Dahiya D., Chandan S., Gangwani M.K., Ali H., Patel R.H., Sohail A., Inamdar S., Advani R., Endoscopic Clipping versus Suturing for Mucostomy Closure in E-POEM and G-POEM: A Systematic Review and Meta-Analysis (Abstract accepted to American College of Gastroenterology annual conference 2024)