



Curriculum Vitae: Aman Goyal

Personal details:

1. Date of birth- 21st December 1999.
2. Email id- amanmgyl@gmail.com
3. Mobile- +91 9561902626
4. Address- Suncity Parikrama, Sector 20, Panchkula, Haryana, India-134117

Education:

1. Medical college- Seth GS Medical College and KEM Hospital, Mumbai, India (2018-Present)

Standardized Test Scores:

1. **USMLE Step 2 CK score-267**
2. **USMLE Step 1 score- 252**
3. TOEFL Score-113/120

Research experience:

1. **Department of Medicine, Seth GS Medical College and KEM Hospital, Mumbai, India**
 - **Research assistant (2020-2022)**
 - **Supervisor: Milind Nadkar, MD (Head of department, department of medicine)**
 - We worked on one project titled: Study of clinical and laboratory profile of patients with reactive arthritis in a tertiary healthcare center
 - The manuscript was completed and published in 2022
 - Assisted in drafting of protocol, IRB approval for the study, interviewing patients and compiling of data from case files for analysis clinical profile, and manuscript development
2. **Department of Medicine, Seth GS Medical College and KEM Hospital, Mumbai, India**

- **Research assistant (2020-ongoing)**
 - **Supervisor: Archana Sonawale, MD (Head of unit, department of medicine)**
 - Worked on three projects
 - First: Observational study on the effect of disease related variables on bone mineral density in patients with rheumatoid arthritis. Manuscript accepted for publication
 - 2 more manuscripts are currently under development
 - Due to my commitment to the projects, I was awarded the opportunity to be corresponding author on all three articles
- 3. Department of Medicine, Seth GS Medical College and KEM Hospital, Mumbai, India**
- **Research assistant (2021-ongoing)**
 - **Supervisor: Smrati Bajpai, MD**
 - Worked on two projects
 - First: Randomized controlled trial on the efficacy of pulse Methylprednisolone in patients with malaria associated ARDS. Completed manuscript sent for peer review.
 - Second: observational study to assess the etiology, clinical profile, and predictors of mortality in patients with acute encephalitis syndrome. The manuscript has been submitted for peer review
 - I gained experience in protocol development, submission to IRB for approval, assessing clinical data sets, statistical analysis and manuscript development. Due to my commitment to both projects, I was awarded the opportunity to be corresponding author for both articles
- 4. Department of Medicine, Seth GS Medical College and KEM Hospital, Mumbai, India**
- **Research assistant (2021-2022)**
 - **Supervisor: Kavita Joshi, MD (Head of unit, department of medicine)**
 - We worked on one project titled: Analysis of burden and outcomes of anti-tuberculosis therapy-induced adverse drug effects at a tertiary care center
 - The manuscript was completed and published in 2022
 - Assisted in interviewing patients and reviewing case files for analyzing side effects that patients experience from anti-tuberculosis therapy. Imported data of the patients into excel sheet for review. Gained experience in manuscript development for cross-sectional studies
- 5. Online webinar by CIRD on conducting systematic reviews and meta-analysis**
- A 40-hour long workshop conducted over one month delving into advanced statistical analysis such as development of meta regression plots, conducting diagnostic meta-analysis, network meta-analysis, GRADE assessment, and quality assessment.
- 6. Online webinar “Systematic reviews and meta-analysis: from topic selection to publication” conducted by Rawalian Student’s Research Society, Pakistan.**

- Comprehensive seven sessions, each three hours long, explaining literature search, PICO table formulation, PRISMA screening, data extraction, statistical analysis using RevMan software, and manuscript development

Research, Publication and Presentations:

A. Published articles:

1. **Aman Goyal***, Hritvik Jain, Amogh Verma, Jyoti Jain, Urooj Shamim, Sai Gautham Kanagala, Jatin Motwani, Rohit Chandra Dey, Zainali Chunawala, Amir H Sohail, Agastya D. Belur, The Role of Renal Denervation in Cardiology and Beyond: An Updated Comprehensive Review and Future Directives, Current Problems in Cardiology, 2023, 102196
- <https://doi.org/10.1016/j.cpcardiol.2023.102196>
2. Tiwari S, Kursange S, **Goyal A****, et al. Efficacy of Pulse Methylprednisolone in Treatment of Acute Respiratory Distress Syndrome due to Malaria: A Randomized Controlled Clinical Trial. J Assoc Physicians India 2023;71(11):36–39.
- <https://japi.org/y27454a4/efficacy-of-pulse-methylprednisolone-in-treatment-of-acute-respiratory-distress-syndrome-due-to-malaria-a-randomized-controlled-clinical-trial>
3. Ingle C, **Goyal A****, Hange S. Invasive Fungal Sinusitis in Post-COVID-19 Patients with Diabetes Mellitus. The Journal of the Association of Physicians of India. 2022 Nov 1;70(11):11-2.
- <https://www.japi.org/x2d4e494/invasive-fungal-sinusitis-in-post-covid-19-patients-with-diabetes-mellitus>
4. Joshi K, Tongaonkar A, Mulkalwar A, **Goyal A**. Analysis of burden and outcomes of anti-tuberculosis therapy-induced adverse drug effects at a tertiary care center. Asian J Med Sci [Internet]. 2022 Dec. 1 [cited 2023 Jul. 24];13(12):192-8.
- <https://www.nepjol.info/index.php/AJMS/article/view/47517>
5. Harsh Jain, Shraddha More, Milind Nadkar, Mulkalwar A, Hunaid Haider, **Aman Goyal**. Study of clinical and laboratory profile of patients with reactive arthritis in a tertiary healthcare center. Asian J Med Sci [Internet]. 2022 Aug. 1 [cited 2023 Jul. 24];13(8):93-7.
- <https://www.nepjol.info/index.php/AJMS/article/view/43658>
6. Tiwari S, Ingle N, **Goyal A**** (September 22, 2023) The Clinical Profile and Prognostic Factors Influencing Mortality in Patients with Acute Encephalitis Syndrome. Cureus 15(9): e45771. doi:10.7759/cureus.45771
- <https://www.cureus.com/articles/182463-the-clinical-profile-and-prognostic-factors-influencing-mortality-in-patients-with-acute-encephalitis-syndrome#!/>

7. Deorukhkar D, Sonawale A, **Goyal A****, et al. (October 29, 2023) Deranged Biochemical Markers As Early Predictors for the Development of Hepatorenal Syndrome in Patients With Alcoholic Liver Cirrhosis. Cureus 15(10): e47927. doi:10.7759/cureus.47927
 - <https://www.cureus.com/articles/192537-deranged-biochemical-markers-as-early-predictors-for-the-development-of-hepatorenal-syndrome-in-patients-with-alcoholic-liver-cirrhosis#!/>
8. Fatima L, **Goyal A**, Yakkali S, Jain H, Raza FA, Peer T, Kanagala SG, Sohail AH, Malik J. Precision Medicine in Myocardial Infarction With Non-obstructive Coronary Disease (MINOCA): A Comprehensive Review. Current Problems in Cardiology. 2023 Nov 2:102185
 - <https://doi.org/10.1016/j.cpcardiol.2023.102185>
9. Jain H, Marsool MD, **Goyal A**, Sulaiman SA, Fatima L, Idrees M, Sharma B, Borra V, Gupta P, Nadeem A, Jain J. Unveiling the Relationship Between Gut Microbiota and Heart Failure: Recent Understandings and Insights. Current Problems in Cardiology. 2023 Nov 3:102179.
 - <https://doi.org/10.1016/j.cpcardiol.2023.102179>

B. Accepted articles, due for publication:

1. **Outcomes of Upper Gastrointestinal Bleeding in Hospitalized COVID-19 Patients in the United States: A Propensity-Score Matched Analysis of a Large National Database**
 - Moon Ryu, Mohammed Quazi, Niloy Ghosh, Karthik Gangu, Amir H Sohail, Asif Farooq, Babu Sriram Maringanti, **Aman Goyal****, Anupa Patel, Muhammad Salman Khan, Abu Baker Sheikh
 - Journal: Journal of Community Hospital Internal Medicine Perspectives
2. **Effect of disease related variables on bone mineral density in patients with rheumatoid arthritis**
 - Sachin Naik, Archana Sonawale, **Aman Goyal****, Kshitij Sonawale
 - Journal: Journal of The Association of Physicians of India
3. **Prevalence and outcomes of upper gastrointestinal bleed in COVID-19: A systematic review and meta-analysis**
 - Sawai S Rathore, Zario Shai Wint, **Aman Goyal**, Bijay Mukesh Jeswani, Ameer Mustafa Farrukh, María Alejandra Nieto-Salazar, Thanmai Reddy Thugu, Snigdha Erva, Raafay Mehmood
 - Journal: Reviews in Medical Virology

C. Submitted Articles, under peer review:

- 1. Efficacy of Bempedoic acid vs placebo in patients with hyperlipidemia and statin intolerance: a systematic review and meta analysis of randomized controlled trials**
 - Aman Goyal, Mah I Kan Changez, Daoud Tariq, Gauranga Mahalwar
 - American Heart journal
- 2. Comparison between the use of antiplatelet therapy and oral anticoagulants in patients post TAVR: A systematic review and meta-analysis**
 - Aman Goyal*, Fatima Abbasi, Laveeza Fatima, Surabhi Maheshwari
 - Current problems in cardiology
- 3. A comprehensive review on transcatheter edge to edge repair: Current uses and future prospects**
 - Aman Goyal, Hritvik Jain, Laveeza Fatima. Samia Aziz Sulaiman. Gauranga Mahalwar
 - American Heart Journal
- 4. Effect of direct oral anticoagulants on cardiovascular outcomes after TAVR: An updated meta-analysis**
 - Aman Goyal, Mah-I-Kan Changez, Viraj Shah, Fatima Abbasi, Daoud Tariq, Zainali Chunawala, Mohammed Z Khan Suheb
 - Catheterization and Cardiovascular Interventions
- 5. Efficacy and outcomes of right upper extremity vs left upper extremity access in patients undergoing endovascular aortic repair for AAA: A systematic review and Meta-Analysis**
 - Aman Goyal, Laveeza Fatima, Hritvik Jain, Daoud Tariq, Amir H Sohail, Mohammed Z Khan Suheb
 - Journal Thoracic and Cardiovascular Surgery
- 6. A Meta-Analysis comparing the efficacy and outcomes of transfemoral versus upper extremity access in patients undergoing endovascular aortic repair**
 - Aman Goyal, Zainali Chunawala, Laveeza Fatima, Fiza Mushtaq, Amir H Sohail, Abu Baker Sheikh, Agastya Belur
 - ACC Scientific Session 2024
- 7. A Meta-Analysis comparing the efficacy of DOAC vs VKA in patients with atrial fibrillation undergoing chronic hemodialysis**
 - Aman Goyal, Zainali Chunawala, Viraj Shah, Gauranga Mahalwar
 - ACC Scientific Session 2024
- 8. The role of renal denervation in cardiology and beyond: An updated comprehensive review**
 - Aman Goyal, Hritvik Jain, Amogh Verma, Jyoti Jain, Urooj Shamim, Sai Gautham Kanagala, Amir H Sohail, Zainali Chunawala, Agastya Belur
 - Current problems in cardiology

9. Deranged biochemical markers as early predictors for development of Hepatorenal syndrome in patients with alcoholic liver cirrhosis

- Durga Deorukhkar, Archana Sonawale, Aman Goyal**, Kshitij Sonawale
- Journal: Journal of The Association of Physicians of India

10. Efficacy of Sulfasalazine in the management of Axial Spondyloarthritis

- Gauravi Deshpande, Archana Sonawale, Aman Goyal**, Alhad Mulkalwar
- Corresponding author
- Journal: Clinical Rheumatology

11. Effect of educational intervention on timely administration of appendectomy-specific preoperative prophylaxis: An institutional analysis

- Jordan Mendelson, Amir H Sohail, Rebecca de la O, Lee Moldowsky, Tulio Brasileiro Silva Pacheco, Dushyant Singh Dahiya, Hassam Ali, Vinay Jahagirdar, Aman Goyal**, Muhammad Salman Khan
- Journal: Journal of Community Hospital Internal Medicine Perspectives

12. Racial Disparities in end-of-life care in pediatric patients with terminal gastrointestinal malignancies in the United States

- Amir H Sohail, Abu Baker Sheikh, Aman Goyal, Muhammad Salman Khan
- BMC Research notes

D. Ongoing research as the First Author:

1. Comparing upper extremity access to transfemoral access in patients undergoing endovascular aortic repair (EVAR) for AAA: A Systematic Review and Meta-analysis
2. Efficacy of Bempedoic acid compared to placebo in patients with hypercholesterolemia: An updated meta-analysis of randomized controlled trials
3. Efficacy and outcomes of DOACs to VKAs in patients with atrial fibrillation on chronic hemodialysis: A systematic review and meta-analysis
4. Efficacy and outcomes of the presence of chronic total occlusion in patients undergoing PCI for STEMI: A systematic review and meta-analysis
5. The use of intravascular lithotripsy in calcific coronary artery disease: A systematic review and meta-analysis of randomized controlled trials
6. Outcomes with and without the presence of chronic total occlusion in non-infarct related artery in patients with STEMI and cardiogenic shock: A pilot systematic review and meta-analysis

Extramural clinical experiences

1. Four weeks of clinical electives in Internal Medicine at SriSaiPC clinic, Fort Wayne, Indiana.
 - From 1st March 2023 to 31st March 2023
 - Attending: Doctor Anuradha Kollipara, email id- srisaipc@yahoo.com
2. Four weeks of clinical electives in Hematology and Oncology at Fort Wayne Medical Oncology and Hematology, Indiana
 - From 3rd April 2023 to 29th April 2023
 - Attending: Doctor Sreenivasa Nattam, Office Phone: (260)484-8830

Awards, Honors and Certificates

1. Awardee of Tata Trust Scholarship (2019, 2020 and 2022)
 - USD 300 awarded for scoring distinction in Medical School final university exams, twice.
2. Local Exchange Officer (LEO) for Seth GSMC and KEM Hospital (2019-2020)
 - LEO is the coordinator for student exchange program
 - Under the banner of Medical Students Association of India (MSAI), a full member of The International Federation of Medical Students Association (IFMSA)
3. Good Clinical Practice (GCP) certification from National institute on Drug Abuse (NIDA), National Institute of Health.
 - Valid till December 2024
4. Stood 2nd place in “Step Up” dance competition (2019)
 - Held in Seth GSMC and KEM Hospital, annual inter-college dance competition
5. Stood 2nd place in “Confluence” extempore debate competition (2018)
 - Held in Seth GSMC and KEM Hospital, annual Pan-India undergraduate and postgraduate medical conference
6. ICC Student of the year in School (2016)
 - A Trophy and Medal are awarded to the best student with the most accomplishments in that particular year.
7. First rank in ICSE Board examination for 10th grade in School (2016)
 - Score of 96.6%

Volunteer experience

A. Workshops organized under the banner of Medical Students Association of India (MSAI):

1. Anti-tobacco awareness campaign for children in school (2020)
2. Alzheimer’s disease awareness campaign for the elderly population (2019)
3. Literacy drive for empowering women (2019)

B. Group discussions held under the banner of Medical Students Association of India (MSAI):

1. Violence against doctors (2020)
2. Stress management session for medical students (2020)
3. Breast cancer awareness activity for the rural population (2019)
4. Sensitization about HIV Discrimination in Healthcare (2019)
5. HPV and cervical cancer awareness and prevention strategies for students in High school (2019)
6. Water pollution and sanitization campaign for the rural population (2019)
7. Awareness on gender stereotyping in healthcare (2019)

In-person training and other participations

These workshops were held in Seth GSMC and KEM Hospital, the annual Pan-India undergraduate and postgraduate medical conference, called “Confluence”

1. Cardiopulmonary resuscitation workshop (2019)
2. Interventional Radiology workshop (2019)
3. Research methodology workshop (2019)
4. Head trauma management workshop (2019)
5. Mechanical ventilation workshop (2019)
6. Workshop on clinical research (2019)
7. Basic ECG skills workshop (2018)
8. Workshop on suturing (2018)
9. Advanced surgical skills workshop (2018)

Work experience

Completed core clerkships in: Medicine, Surgery, Pediatrics, OBGYN, Dermatology, Orthopedics, Radiology, Tuberculosis and Chest, ENT, and Ophthalmology

Interests and hobbies

1. **Sports:** An active lifestyle has always been a priority for me. Over the years, this has mainly been in the form of weightlifting and running. I am a self-trained, avid runner, and have run multiple 15-kilometer (about 9.32 mi), 10-kilometer (about 6.21 mi), and 5-kilometer marathons. My best time is 44 minutes and 54 seconds in a 10-kilometer marathon. Running brings me peace and happiness.

2. **Reading:** My passion for reading books dates to my school days. I have always been a fan of thrillers and horror, and over the last year, I have become especially interested in reading and learning about Roman and Greek philosophy.
3. **Singing:** I started practicing singing under a professional tutor in early 2022. The more I learn about the art of singing, the more fascinated I am with it. Music truly is a universal language. I love to sing classical songs, “Always” by Bon Jovi being my favorite.