

Rupayan Kundu

Hematology & Medical oncology Fellow

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Education

University of South Florida/ Moffitt Cancer Center, Tampa, Florida, 2026 – 2029

Fellowship – Hematology & Medical Oncology

Cleveland Clinic Foundation, Cleveland, Ohio, 2023 – 2026

Residency - Internal Medicine

Nilratan Sircar Medical College, Kolkata, India, 2015 – 2021

Grades: 69.33% (Top 10% of class)

MBBS/MD (Medical School)

West Bengal Council of Higher Secondary Education, West Bengal, India, 2013 – 2015

Grades: 94% (Ranked 23rd among more than 700,000 examinees in West Bengal)

Class XII (Science Stream)

West Bengal Board of Secondary Education , West Bengal, India, 2008 – 2013

Grades: 97.4% (Ranked 1st among more than 1,000,000 examinees in West Bengal)

Class X (General Stream)

Awards and Achievements:

Patient Care Appreciation Award, Cleveland Clinic, 2026

Recognized for dedication to patient care, excellence in teaching, teamwork, compassion, and contributions to the Graduate Medical Education (GME) program of Cleveland Clinic

ASH Abstract Achievement Award, 2025

Awarded $500 for the ASH abstract Achievement Award

"Rupayan Sports Complex" at High School, 2024

In recognition of my academic achievements - including earning the top rank among more than one million examinees in the statewide board examination - the Chief of State graciously approved my proposal to build a year-round athletic facility at my alma mater, subsequently inviting me to preside over its inauguration and bestowing upon it the name “Rupayan Sports Complex” in my honor.

"Patients' Favorite" by Healthgrades, 2025

Recognized as "Patients' Favorite" by Healthgrades for having all 5-star patient reviews (10) as a doctor (https://www.healthgrades.com/physician/dr-rupayan-kundu-uqthj3)

Nominated for "Sigma XI" research honor society, 2024

Nominated and granted full membership to “Sigma XI” (Scientific Research Honor Society) society for excellent contribution to research, whose members include over 200 Nobel Laureates.

Invited Talks at American Society of Hematology (ASH) conference, 2024

Invited speaker by the Video Journal of Hematology and Hematological Oncology and HealthTree Foundation of Blood Cancers, presenting research findings on factors influencing clinical trial enrollment success

Invited and interviewed by two newspapers and news channels, 2025

invited and interviewed by two Indian newspapers and news channels, both in regional languages, regarding for my journey from an underprivileged background to becoming the 1st doctor of the village. (https://pagefournews.com/one-breakthrough-after-another-in-research-to-eradicate-cancer-from-the-world/ , https://www.youtube.com/watch?v=VuatuEyE1to)

Chief Minister Award (highest educational award at that level), 2013

Got Chief Minister Award for securing 1st position in Class 10 board exam statewide among more than 1 million examinees in West Bengal

Women Empowerment in STEM, 2024

Invited by the Government of India to empower and encourage female students pursuing careers in STEM (Science, Technology, Engineering, and Medicine)

Invited Talk at my alma mater (medical School), 2024

Delivered invited talk on "Career Paths in the USA as a Doctor" at the invitation of the Dean of Nilratan Sircar Medical College

Awards and Achievements:

"Speed mentoring" at Cleveland Clinic Lerners School of Medicine (invited), 2023

Invited mentor at the "Speed Mentoring" conference, hosted by Case Western Reserve School of Medicine and Cleveland Clinic Lerner College of Medicine, providing guidance to 3rd and 4th-year medical students

Anatomy Dissections for High Schoolers (invited), 2023

Invited demonstrator for the "Horizons" event organized by Case School of Medicine, conducting anatomy dissections for high school students as part of an outreach initiative

Winner of Oral Presentation, 2018

Secured 1st position in oral research paper presentation at 'Ingenuity-2018', Nilratan Sircar Medical College, India

3rd Position in oral abstract competition, AIIMS, Delhi, 2019

Secured 3rd position in oral research paper presentation at 'Pulse 2019', AIIMS, New Delhi

1st statewide among >1,000,000 examinees in Board Exam, 2013

Secured 1st Position in Class 10 Board Exam among more than 1 million examinees

Governor Award (2nd highest award at that level), 2013

Got Governor Award for securing 1st position in Class 10 board exam statewide among more than 1 million examinees in West Bengal

ABP Ananda Award (“Bangla Amar Bhalobasa”), 2013

For obtaining highest marks in Bengali language in Class 10 exam district-wide

23rd statewide among >700,000 examinees in Board Exam, 2015

23rd Position in Class 12 Board Exam among more than 700,000 examinees

Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship (National-level), 2014

Awarded Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship, a national research fellowship for students pursuing careers in science and research

Silver and Bronze medal of excellence in Mathematics and Science (State and National level), 2008 – 2013

Got Silver and Bronze medal in Class 5, 7, 8 and 10 for excellent in mathematics and science statewide

Winner of College Football/Soccer Tournament (State-level among medical schools), 2018

As a captain, won intercollege football/soccer tournament among 14 teams

Winner of School Football/Soccer tournament (State-level), 2013 – 2014

Won in 2013 and runners-up in 2014 in state-level football/soccer tournaments as a school team captain

2nd place in Badminton tournament (State-level), 2014

Secured 2nd place in state-level badminton tournament in "singles" among 19 competitors

Winner of 100 m sprint (state and district-level), 2004 – 2011

1st position in 2012, 2009, 2008, 2007, 2006, 2005, 2004 , 2nd position in 2010 and 3rd position in 2011 in 100m sprint in district and state-level athletes. (Best Record is 11.7 sec)

Yellow Belt Certification, 2025

Lean Six Sigma: I used the skills at our QI project at the Cleveland VA Medical Center.

Research Articles

Published

1. **Rupayan Kundu**, Sarkar N, Kundu R, Chatterjee A. Temporal trends of colorectal cancer burden in India: A nationwide and state-level analysis. Cancer Med. 2026;15(5):e71923. doi:10.1002/cam4.71923

2. **Rupayan Kundu**, Mukhopadhyay A, Kal N, Pal TS, Sarkar N, Ball S, Maiti A, Mukherjee S. Global epidemiologic trends of early-onset cancers from 1990 to 2021 and projection to 2040. JCO Glob Oncol. 2026;12:e2500170. doi:10.1200/GO-25-00170

3. **Rupayan Kundu**, Kundu R, Mukherjee S. A global health crisis in young adults: 30-year trends in high BMI-related early-onset cancer mortality. Ann Epidemiol. 2026;114:7–11. doi:10.1016/j.annepidem.2025.12.006.

4. **Rupayan Kundu**, Mukhopadhyay A, Sarkar N, et al. Multiple myeloma in adolescents and young adults (AYA): global epidemiological trends, risk factors, and future projections (1990–2040). Cancer Causes Control. 2026;37:51. doi:10.1007/s10552-026-02142-3

5. **Rupayan Kundu**, Shtoff L. Semaglutide-induced hepatic injury: A rare case of drug-induced liver injury. Clin Case Rep. 2025;13(8):e70783.

Research Articles

6. **Rupayan Kundu**, Kundu R, Mukherjee S. A global health crisis in young adults: 30-year trends in high BMI-related early-onset cancer mortality. Ann Epidemiol. 2025. doi:10.1016/j.annepidem.2025.12.006

7. **Rupayan Kundu**, Soni K,.., Mukherjee S. State-wise disparities and temporal trends in acute myeloid leukemia (AML) in the United States. Leukemia & Lymphoma. 2025. doi: 10.1080/10428194.2025.2515598

8. **Rupayan Kundu**, Casto M, Rich AM,.., Richard Wardrop. When the treatment becomes the problem: a case of paradoxical effects of IVIG. AIM Clinical Cases. 2025;4:e241195. doi:10.7326/aimcc.2024.1195.

9. **Rupayan Kundu**, Chatterjee A,.., Neal Chaisson. Type A vs. Type B Lactic Acidosis in the Context of Undiagnosed B-Cell Lymphoma. BMJ Case Reports. 2025. doi: 10.1136/bcr-2024-264218

10. **Rupayan Kundu**, Chatterjee A, Philpott Jessica, Kennedy Lucy B. How should I manage my patient with cancer who is experiencing diarrhea while on immunotherapy?. Cleveland Clinic Journal Of Medicine. 2025: 10.3949/ccjm.92a.24090.

11. Prado R, Chatterjee A, Zaalishvili Z, **Rupayan Kundu**, Junna S, Sengupta S, Zein N, Mohiuddin SA. Rare case of tacrolimus-induced acute pancreatitis in a liver transplant recipient. ACG Case Rep J. 2025;12(5):e01659. doi:10.14309/crj.0000000000001659.

12. Naseem Z, Kaul R, Prado R, Chatterjee A, Aggarwal M, Nasser J, Wu Y, Yang Q, McMichael J, **Rupayan Kundu**, Funk C, Ford A, Simons-Linares CR, Rubio-Tapia A. Safety and performance of small bowel capsule endoscopy in patients with surgically altered gastrointestinal anatomy. Scand J Gastroenterol. 2026.doi.org/10.1080/00365521.2026.2696878

13. **Rupayan Kundu,** Batra H, Kasera A, Prasad A, Yadav A, Batra A. Multilocular hepatic echinococcosis mimicking hepatic malignancy in a child: A diagnostic dilemma. IDCases. 2026;e02596.

14. **Rupayan Kundu**, Kal N, Singh A, Jagadeesh D. Global incidence, mortality and risk factors of Hodgkin and non-Hodgkin lymphoma 1990–2021: a global health data study. Blood. 2024;144(Suppl 1):6360. doi:10.1182/blood-2024-212117.

15. Parmar K, **Rupayan Kundu**, Maiti A, Ball S. Updates in biology, classification, and management of acute myeloid leukemia with antecedent hematologic disorder and therapy-related acute myeloid leukemia. Leuk Res. 2024;144:107546. doi:10.1016/j.leukres.2024.107546.

16. **Rupayan Kundu**, Kal N, Singh A, Mukherjee S, Maiti A, Ball S, Jain AG. Epidemiological trends in incidence, death and associated risk factors of leukemia 1990–2021 and projection to 2040. Blood. 2024;144(Suppl 1):1477. doi:10.1182/blood-2024-211457.

17. Janssens L, Gochanour B, **Rupayan Kundu**, Maheshwari K, Delgado A, Doering K, et al. Predictors of pancreatic imaging abnormalities and concordance between endoscopic ultrasound and magnetic resonance imaging for pancreatic cancer screening in high-risk individuals. Gastroenterology. 2024;166(5):S250–S251. doi:10.1016/S0016-5085(24)01060-6.

18. **Rupayan Kundu**, Kal N, Singh A, Williams L, Khouri J, Samaras CJ, et al. Epidemiological trends in incidence, death and associated risk factors of multiple myeloma 1990–2021 and projection to 2040. Blood. 2024;144(Suppl 1):1969. doi:10.1182/blood-2024-211861.

19. Shah S, **Rupayan Kundu**, Mishra R, Mukherjee S, Singh A. A rare case of Philadelphia-positive (P210 BCR-ABL1) T-cell acute lymphoblastic leukemia/lymphoma associated with minimal residual disease persistence after intensive chemotherapeutic approaches. Leuk Res Rep. 2024;21:100456. doi:10.1016/j.lrr.2024.100456.

Research Articles

20. **Rupayan Kundu,** Sarkar N, Pal TS. A cross-sectional study examining the behavioral patterns and attitudes of first- and second-year medical college students in West Bengal, India, regarding self-medication. J Evol Med Dent Sci. 2024;13(2):36–41. doi:10.14260/jemds.v13i2.553.

21. **Rupayan Kundu**, Sarkar N, Thakurta TG. Determinants of childhood overweight and obesity among children 2–6 years of age attending Anganwadi centres in a block of North Bengal. J Evol Med Dent Sci. 2022;11(9):775–780. doi:10.14260/jemds.v11i9.195.

22. **Rupayan Kundu**, Tai DBG, Pfeifle D, Abu Saleh O, Pritt B. Cutaneous leishmaniasis in a returned traveler. IDCases. 2022;27:e01433. doi:10.1016/j.idcr.2022.e01433.

23. Kunti SK, Mukherjee S, Chakraborty I, **Rupayan Kundu**. Assessment of pulmonary function tests in patients of hypothyroidism and of the effects of levothyroxine on their pulmonary function tests. J Evol Med Dent Sci. 2018;7(17):2062–2065. doi:10.14260/jemds/2018/463.

Conference Presentaion

1. **Rupayan Kundu**, Singh S, Kal N, Jain A, Singh A, Mukherjee S. Proportion of second hematologic malignancies linked to radiotherapy treatment in adults: A cohort study in the US SEER cancer registries 2001–2022. *Blood.* November 2025.
2. **Rupayan Kundu**, Mukherjee S. The growing burden of high body mass index-associated hematological cancer mortality in the United States of America (USA): A 30-year analysis (1990–2021). *Blood.* 2025;146(Suppl 1):6835.
3. **Rupayan Kundu**, Kal N, Kundu R, Mukherjee S. Comparative epidemiological analysis of hematological malignancies in adolescents and young adults (AYA) in the United States of America (USA), 1990–2021, with projections to 2040. *Blood.* 2025;146(Suppl 1):1635.
4. **Rupayan Kundu**, Chatterjee A, Zabor E, Isaacs J, Truong TG, Sleiman J, et al. How many doses of infliximab should be used in immune checkpoint inhibitor-induced colitis? *American College of Gastroenterology.* October 2024.
5. **Rupayan Kundu**, Kal N, Singh A, Mukherjee S, Maiti A, Ball S, Jain AG. Epidemiological trends in incidence, death and associated risk factors of leukemia 1990–2021 and projection to 2040. *American Society of Hematology.* December 2024.
6. **Rupayan Kundu**, Chen X, Wei W, Pramanik D, Agarwal Y, Chatterjee A, et al. Analysis of factors influencing enrollment success in hematology malignancy cancer clinical trials (2008–2023). *American Society of Hematology.* December 2024.
7. **Rupayan Kundu**, Kal N, Singh A, Williams L, Khouri J, Samaras CJ, et al. Epidemiological trends in incidence, death and associated risk factors of multiple myeloma 1990–2021 and projection to 2040. *American Society of Hematology.* December 2024.
8. **Rupayan Kundu**, Kal N, Singh A, Jagadeesh D. Global incidence, mortality and risk factors of Hodgkin and non-Hodgkin lymphoma 1990–2021: a global health data study. *American Society of Hematology.* December 2024.
9. Janssens L, Gochanour B, **Rupayan Kundu**, et al. Predictors of pancreatic imaging abnormalities and concordance between endoscopic ultrasound and magnetic resonance imaging for pancreatic cancer screening in high-risk individuals. *American Gastroenterology Association.* October 2024.
10. **Rupayan Kundu** et al. Global trends of early onset cancers (15-49 years).. JCO 43, e22584-e22584(2025) doi:10.1200/JCO.2025.43.16_suppl.e22584
11. **Rupayan Kundu**, Sarkar N. (2018, September 22). Fungal corneal ulcer in a farmer [Oral Presentation]. Ingenuity 2018 (Intercollege Oral Presentation Competition)/Kolkata, India.
12. **Rupayan Kundu**. (2017, August 17). A case of dyadic death. [Oral Presentation]. Ingenuity 2017 (Inter college oral presentation competition))/Kolkata, India.
13. **Rupayan Kundu**. (2018, September 22). A family study in Mallickpur block primary health center [Oral Presentation]. Ingenuity 2018 (Intercollege Oral presentation competition)/Kolkata, India.

Research Articles

Submitted

1. **Rupayan Kundu**, Chatterjee A, Zabor E, Isaacs J, Truong TG, Sleiman J,.., Philpott Jessica, Kennedy Lucy B. Outcomes in cancer patients on prolonged Infliximab therapy for immune checkpoint inhibitor induced colitis. JCO Oncology Practice. June 2025 Submitted
2. **Rupayan Kundu,** Ran Zhou, Thejus Jayakrishnan, Alok Khorana**:** Global Epidemiological Trends in Incidence, Death, DALY and Associated Risk Factors of early onset Gastric (EOGC) and esophageal cancer (EOEC) 1990-2021 and Projection to 2040: Analysis Across 204 Countries and 811 Subnational Regions: Submitted

Reviewer Roles in Journals

Reviewer, PLOS One , 2025 – Present

Reviewer, Oxford Case Reports , 2024 – Present

Research Experience and Projects

1. Factors Influencing Enrollment Success in Clinical Trials *(11/2023 – Present)*
Guide: Dr. Sudipto Mukherjee, MD, PhD, Cleveland Clinic

· Identifying favorable and unfavorable factors determining enrollment success in hematological malignancy clinical trials.

2.Outcomes of Cancer Progression in Patients on Long-term Infliximab Therapy *(09/2023 – Present)*
Guide: Dr. Lucy Boyce Kennedy, MD, Cleveland Clinic Foundation

· Investigating outcomes of immune-related diarrhea/colitis (imDC) and cancer progression in patients receiving >3 doses versus ≤3 doses of Infliximab for corticosteroid-refractory imDC.

1. **Global and Regional Epidemiological Trends of Cancers** *(1/2024 – Present)*
   Guide: Dr. Alok Khorana, MD, Cleveland Clinic
   · Analyzing global and regional epidemiological trends (incidence, death rates) of early onset esophageal and gastric cancer (15-49 year old) over 30 years, assessing risk factor dynamics and their influence on cancer incidence and mortality.
   . We are in the stage of manuscript editing.

4. Quality Improvement(QI) project on Transitions of care between primary care and emergency department (ED) *(07/2024 – Present)*
Guide: Dr. Mellisa Klein, MD, Cleveland VA Medical Center

· To identify gaps in transitions of care from the primary care setting to the emergency department to better continuity of patient care.

We created a note template which will be used by outpatient clinic providers for better transition of care to ED

5. Early Detection of Pancreatic Cancer *(07/2022 – 07/2023)*
Guide: Dr. Shounak Majumder, MD, Mayo Clinic, Rochester

· Validating algorithms predicting pancreatic ductal adenocarcinoma (PDAC) using plasma methylated DNA markers, mutant KRAS, and CA 19-9.

· Conducted extensive chart reviews, determined patient eligibility and staging, analyzed imaging and procedural data, and maintained research databases.

Research Experience and Projects

6. Creating a Biobank for Pancreatic Cancer Research *(07/2022 – 07/2023)*
Guide: Dr. Gloria Peterson, PhD, Mayo Clinic, Rochester

· Contributed to a repository of biospecimens and patient data for biomarker development, early detection, and novel therapies.

· Performed detailed chart reviews, managed patient databases, and facilitated ongoing research studies.

7. Prevalence of Self-Medication in India *(02/2021 – 09/2022)*
Guide: Dr. Arijit Sinha, MD, Nilratan Sircar Medical College and Hospital, India

· Assessed self-medication practices, knowledge, and attitudes among early medical students.

· Participated in study design, data collection, statistical analysis, and manuscript drafting.

8. Determinants of Childhood Obesity in India *(11/2019 – 04/2020)*
Guide: Dr. Tirthankar Guha Thakurta, MD, Nilratan Sircar Medical College and Hospital, India

· Investigated prevalence and determinants of obesity in Indian children.

· Contributed to study design, literature review, statistical analysis using SPSS, and manuscript writing.

9. Effect of Thyroid Disorder on Pulmonary Function Tests *(06/2017 – 04/2018)*
Guide: Dr. Sanjay Kunti, MD, Sagore Dutta Medical College and Hospital, India

· Evaluated spirometry in hypothyroid patients pre- and post-levothyroxine supplementation.

· Conducted anthropometric measurements, thyroid function tests, data analysis, and manuscript preparation.

Work Experiences / Internships

Research Fellow (Gastroenterology and Oncology), Mayo Clinic, Rochester, Jul 2022 – Jul 2023
Rochester, Minnesota, United States

Medical Officer (Internal Medicine), Arambagh Nursing Home and Hospital, Dec 2021 – May 2022
West Bengal, India

Clinical Clerkship (Nephrology), University of North Carolina, Sep 2021 – Oct 2021
North Carolina, United States

Clinical Clerkships (Infectious Diseases and Cardiology), Mayo Clinic, May 2021 – Jul 2021
Rochester, Minnesota, United States

Extracurricular and Volunteer Activities

Chair of Public Relations
AAPI (American Association of Physicians of Indian Origin) MSRF (2026-present)

Mentor and Social Media Advocacy
(2023-present)

-Currently mentoring 10 medical students for USMLE and Residency Match

-Previously mentored 6-10 medical students. All of them matched into residency

-Beyond one-on-one mentorship, I create educational posts, videos and career guidance for a global audience of more than Beyond one-on-one mentorship, I create educational content and career guidance for a global audience of more than 33,000 physicians and trainees across LinkedIn, Instagram, Facebook, and YouTube.

Extracurricular and Volunteer Activities

Co-Founder Peer to Peer Mental Health Counseling (2022-present)	-Peer to peer mental health counseling for medical students, residents and fellows - Accepted for 2nd phase Startup Ideas Competition by Blackstone launchpad at University of Southern California (USC)
Co-Founder Swastho Socheton (Health Awareness) (2020-2025)	I worked with a group of 14 people to organize small awareness drive camps in remote villages to spread awareness against health misinformation and improve their health literacy in collaboration with local primary health centers and schools.
Co-Founder 1st Generation Doctors Forum (2025-present)	I lead a team of nine physicians and medical students to mentor and support others from similar backgrounds
Volunteer Horizons event at Case Western School of Medicine (2023)	Volunteered at the “Horizons event”: demonstrated anatomy Dissections to high-school students as part of an outreach program
Volunteer Speed Mentoring at Cleveland Clinic (2023)	Volunteer at the “Speed Mentoring”: extended guidance, mentorship, and expose 3rd and 4th year medical students to real life medicine as a career
Volunteer UNICEF (2019-2021)	Volunteered in many national immunization camps and national disaster relief programs by UNICEF
Volunteer School Drop-out Reversal Program (2015-2016)	Member of the “School Drop-out Reversal Program”; conducted door-to-door check-ins to re-engage school dropouts aged 11-17 in West Bengal, India
Volunteer Immunization Drives (2015 – 2022)	Medical student volunteer in national and sub-national vaccination drives
Team Co-Captain Internal Medicine Grand Rounders Bike Team(2024-present)	Team Co-Captain of PGY-2 Internal Medicine Grand Rounders Bike Team for "Bike to Cure: Velosano," raising funds for cancer research
Organizer Cleveland Clinic Internal Medicine Soccer Tournament (2023-present)	Organizer of informal Cleveland Clinic Internal Medicine Soccer Tournament for team-building
Conference/Webinar Organizer	Organized 3 conferences/webinars providing guidance for residency applicants
Class Representative (2018 – 2020)	Class Representative for Internal Medicine, Pathology, Forensic Medicine, ENT, and Ophthalmology
Sports and Scientific Secretary (2017 – 2019)	Athletic Secretary (2018 – 2019) and Assistant Scientific Secretary (2017 – 2018), Nilratan Sircar Medical College
Captain College and School Football Team (2013-2014,2017–2019)	Captain of school and college Football team; organized annual sports meets Won State level and inter-college football tournaments
Tutor (2015 – 2020)	Tutor for 15 underprivileged students annually in Science (Class 6-10)

Hobbies

- Soccer: State-level championships
- Running: Competitive sprinting (100m personal best 11.7 sec), 5K marathons
- Farming: Family agriculture, cultivating potatoes, rice, tomatoes
- Hiking: Himalayas (Kuari Pass), Allegheny National Park, Hocking Hills.

Languages

English (Native), Bengali (Native), Hindi (Native)