**CURRICULUM VITAE**

**General Information:**

**Name**: Samrat Ray

**Date of Birth:** November 27th1987

**Nationality:** Indian

**Qualification**: MBBS (equivalent to MD), MS (Gen Surgery, Residency in Surgery), DNB (Surgical Gastroenterology/ Fellowship in Gastrointestinal Surgery)

**Current appointment**: Post-doctoral research fellow, Ajmera transplant centre, Toronto general hospital, Toronto, Canada

**Address**: 498A Eglinton Avenue east, Toronto, Ontario M4P1N3, Canada

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**Memberships**: AST (American Society of Transplantation), Canadian Society of Transplantation (CST); The Transplantation society (TTS); American Society of Transplant Surgeons (ASTS); ASI (Association of Surgeons of India), IASG (Indian Association of Surgical Gastroenterology)

**Medical license registration (Delhi Medical council, India):** DMC/R/7032

**MINC (Canada):** CAMD-0238-9655

**ECFMG certification number:** 0-997-152-4

**USMLE step details (Score):**

* Step 1: Passed (236)
* Step 2 CK: Passed (229)
* Step 2 CS: Passed
* Step 3: Passed (213)

**Educational details:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. no.** | **Degree** | **Institute** | **Year** | **Remarks** |
|  | Post-doctoral Research fellowship (Pancreas perfusion and islet cell transplant) | Toronto general hospital, UHN, Toronto Canada | 2021- | Ongoing |
|  | DNB/Fellowship (Surgical Gastroenterology)  | Sir Ganga Ram Hospital, New Delhi, India | 2015-2018 | Passed |
|  | MS (General Surgery)/Residency | Maulana Azad Medical college (MAMC), New Delhi, India | 2011-2014 | Passed |
|  | MBBS/Medical School | University College of Medical Sciences (UCMS), New Delhi, India, Delhi University | 2005-2010 | Gold medallist. Passed with distinction |

**Work experience (Summary):**

|  |  |  |
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| S.no. | Institute | Duration |
|  | Toronto general hospital, Toronto, Canada (Post-doc Research fellow, Pancreas perfusion and islet cell transplant) | October 2021- |
|  | Sir Ganga Ram Hospital, New Delhi, India (Attending staff surgeon, Surgical Gastroenterology and Liver Transplantation) and Assistant Professor (DNB/Fellowship training program) | December 2019 – September 2021 |
|  | KD medical college and hospital, Mathura, India (Assistant Professor and Head, Division of GI and HPB surgery) | September 2018 - December 2019 |
|  | Fortis hospital, Noida, Senior fellow (Liver transplantation and GI surgery) | 5 months (2018) |
|  | Sir Ganga Ram Hospital, New Delhi, DNB/fellowship (Surgical Gastroenterology and Liver transplantation) | 3 years (2015-2018) |
|  | Maulana Azad Medical College and Lok Nayak Hospital, New Delhi, India, Resident (General Surgery) | 3 years (2011-2014) |

**Research and Publications (Academic experience):**

1. **Published papers (in chronology):**
2. Ray S, Torres-Hernandez A, Bleszynski MS, Parmentier C, McGilvray I, Sayed BA, Shwaartz C, Cattral M, Ghanekar A, Sapisochin G, Tsien C, Selzner N, Lilly L, Bhat M, Jaeckel E, Selzner M, Reichman TW. Medical assistance in Dying (MAiD) as a source of liver grafts. Honouring the ultimate gift. *Ann Surg*. DOI: 10.1097/SLA.0000000000005775. (Ahead of print)
3. Ray S, Parmentier C, Mazilescu L, Kawamura M, Noguchi Y, Nogueira E, Ganesh S, Arulratnam B, Selzner M, Reichman TW. Surgical tips and tricks for performing porcine pancreas transplantation. *J Vis Exp*. 2022; 185:e64203.
4. Parmentier C, Ray S, Mazilescu L, Kawamura M, Noguchi Y, Nogueira E, Ganesh S, Arulratnam B, Kalimuthu S, Selzner M, Reichman TW. Normothermic ex vivo pancreas perfusion for the preservation of pancreas allografts before transplantation. *J Vis Exp*. 2022; 185:e63905
5. Bhat BK, Ray S, Lalwani S, Mangla V, Mehta NN, Yadav A, Nundy S. Redo hepaticojejunostomy in the management of bilioenteric anastomotic strictures. *Curr Med Res Prac*. 2022; 12:162. DOI: 10.4103/cmrp.cmrp\_43\_22.
6. Yadav A, Jain N, Ray S, Nundy S. Ectopic Gall Bladder: A review. *Int J Health Sci*. 2022. DOI: 10.53730/ijhs.v6nS6.10054
7. Bhavsar R, Ray S, Nundy S. Decompensated chronic liver disease: A review of current concepts and management guidelines. *Curr Med Res Pract.* 2022;12:26-34.
8. Ray S, Jena SS, Yadav A, Das SAP, Mehta NN, Nundy S. Whipple’s pancreatoduodenectomy in the background of chronic liver disease(CLD): An institutional experience. *Surg Res Pract*. 2021. Article ID 4848380. doi:10.1155/2021/4848380
9. Jena SS, Obili RCR, Das SAP, Ray S, Yadav A, Mehta NN, Nundy S. Intestinal obstruction in a tertiary care centre in India: Are the differences with the western experience becoming less? *Ann Med Surg*. 2021;72:103125. doi:10.1016/j.amsu.2021.103125
10. Bhavsar R, Ray S, Verma M, Agarwal SK, Nundy S. Single stage repair of anorectal malformation with rectovestibular fistula in adult. *Ann Med Surg*. 2021;72:103057. doi:10.1016/j.amsu.2021.103057
11. Yadav A, Ray S, Nundy S. Ectopic Gall Bladder: A case report. *SAGE Case Rep*. 2021;9:1-3.
12. Singh BK, Ray S, Dhawan S, Nundy S. Spectrum of presentation in primary anorectal malignant melanoma and its management. *BMJ Case Rep* 2021;14:e245449. doi:10.1136/bcr-2021-245449.
13. Jena SS, Ray S, Das SAP, Mehta NN, Yadav A, Nundy S. “Rare pseudopapillary neoplasm of the pancreas: A 10-year experience.” *Surg Res Pract* 2021. Article ID 7377991. <http://doi.org/10.1155/2021/7377991>.
14. Sharma N, Ray S, Nundy S. Caput medusae in a patient with non‑cirrhotic portal fibrosis: Clinical images. *J Med Evid* 2021:2:250-1
15. Ray S, Tiwari P, Yadav A, Sahni P, Singh AN, Nundy S. Assessment of their training in surgical gastroenterology by residents from two major institutes in India. *Indian J Surg*. 2021. http://doi.org/10.1007/s12262-021-02880-5
16. Ray S, Nundy S. Surgical gastroenterology in India. *Indian J Surg*. 2021. http://doi.org/10.1007/s12262-021-02882-3
17. Ray S, Das S, Mangla V, Yadav A, Chugh P, Mehta N, Nundy S. Prediction of outcome of patients undergoing Whipple’s pancreatoduodenectomy before operation: A prospective validation of a novel risk scoring system. *J Surg Res (Houst).* 2021;4:229-39.
18. Kanthala L, Ray S, Das SA, Nundy S, Mehta N. Recurrent giant retroperitoneal liposarcoma: Review of literature and a rare case report. *Ann Med Surg*. 2021;17:102329.
19. Sharma N, Anand A, Joshi S, Ray S. Policy of promoting alcohol consumption in times of COVID-19 lockdown in India: a medical and constitutional analysis. *Ind J Applied Res*. 2021;11:1-4.
20. Bojanapu S, Malani RA, Ray S, Mangla V, Mehta N, Nundy S. Duodenal perforation: outcomes after surgical management at a tertiary care centre- A retrospective cross-sectional study. *Surg Res Pract*. 2020. http://doi.org/0.1155/2020/8392716
21. Ray S, Mehta N, Nundy S. Post-Gastrectomy complications- An Overview. *Chirurgia (Bucuresti).* 2020; doi:10.21614/chirurgia.115.4.423
22. Das S, Ray S, Mangla V, Mehrotra S, Lalwani S, Mehta NN, Yadav A, Nundy S. Post pancreaticoduodenectomy hemorrhage: A retrospective analysis of incidence, risk factors and outcome. *Saudi J Gastroenterol*. 2020;10:4103
23. Ray S, Mehta NN, Mangla V, Lalwani S, Mehrotra S, Chugh P, Yadav A, Nundy S. A comparison between the comprehensive complication index and the Clavien-Dindo grading as a measure of postoperative outcome in patients undergoing gastrointestinal surgery- A prospective study. *J Surg Res*. 2019;244:417-24.
24. Ray S, Choudhury AAM, Biswas S, Bhutta ZA, Nundy S. The research output from medical institutions in South Asia between 2012 and 2017: An analysis of their quantity and quality. *Curr Med Res Pract*. 2019. <http://doi.org/10.1016/j.cmrp.2019.07.005>
25. Jung EL, Coste R, Gehani A, Ray S, Arora C, Nundy S. Automating the Classification of Post-surgery Complication Grades. *7th Workshop on Data Mining for Medicine and Healthcare (DMMH),* affiliated with the 18th SIAM International Conference on Data Mining (SDM). 2018
26. Ray S, Yadav A, Jain S, Nundy S. Isolated antro-pyloric metastatic mass from colonic carcinoma: A rare case presentation. *Ann Med Surg*. 2018;36:235-8.
27. Ray S, Mehta NN, Golhar A, Nundy S. Post hepatectomy liver failure- A comprehensive review of current concepts and controversies. *Ann Med Surg*. 2018;34:4-10.
28. Ray S, Nundy S. Dense adhesiolysis in colorectal surgery: A review. *Ind J Applied Res*. 2018;8:376-7.
29. Ray S, Mehta NN, Mehrotra S, Lalwani S, Mangla V, Yadav A, Nundy S. Effect of informed consent on patients undergoing gastrointestinal surgery and living donor liver transplantation and on their relatives in a developing country. *BJS Open*. 2017;doi:10.1002/bjs5.37.
30. Shah I, Ray S, Mehrotra S, Lalwani S, Mangla V, Yadav A, Mehta N, Nundy S. Why do people leave against medical advice and what happens to them later? A study on 50 consecutive patients in India. *Curr Med Res Pract*. 2017.doi:10.1016/j.cmrp.2017.09.008.
31. Golhar A, Ray S, Haugk B, Singhvi SK. Cytogenetically confirmed primary Ewing’s sarcoma of the pancreas. *BMJ Case Rep*. 2017. doi:10.1136/bcr-2017-219219.
32. Ray S, Bhat BK, Yadav A, Nundy S. Isolated dilatation of the cystic duct-Type VI choledochal cyst: A rare case presentation and review of literature. *J Surg Case Rep*. 2017;4:1-4.
33. Ray S, Yadav A, Nundy S. Massive splenic artery aneurysm with aneurysmal dilatation of the portal vein and splenic infarct. *J Case Rep Images Surg*. 2017;3:1-5.
34. Ray S, Anila T, Jha SK, Rawat S, Rawat KS, Singhvi SK. Is the absence of right hepatic vein opening into inferior vena cava a contraindication for right lobe liver donation in Living donor liver transplantation? Common hepatic venous trunk-A rare hepatic vein anomaly: A case report and review. *Int J Surg Case Rep*. 2017;30:159-61.
35. Ray S, Mehta N, Lalwani S, Mangla V, Mehrotra S, Nundy S. Management of corrosive oesophageal injuries: A review. *Bhutan Health Journal*. 2016;2:27-35
36. Ray S, Shah I, Nundy S. Our responses to the letters on the articles “The research output from Indian medical institutions from 2005 to 2014. *Curr Med Res Pract*. 2016. http://dx.doi.org/10.1016/j.cmrp.2016.06.001(July 2016)
37. Ray S, Shah I, Nundy S. Our responses to the letters on the articles “The research output from Indian medical institutions from 2005 to 2014. *Curr Med Res Pract*. 2016. http://dx.doi.org/10.1016/j.cmrp.2016.06.001(May 2016)
38. Ray S, Shah I, Nundy S. The research output from Indian medical institutions from 2005 to 2014. *Curr Med Res Pract*. 2016. <http://dx.doi.org/10.1016/j.cmrp.2016.04.002>
39. Ray S. Book review: The forest of enchantments (Chitra Banerjee Divakaruni). *J Med Evid* 2021;2:198.

**Ongoing Papers submitted and under review:**

1. Parmentier C, Ray S, Mazilescu L, Kawamura M, Noguchi Y, Nogueira E, Arulratnam B, Ganesh S, Kalimuthu S, Selzner M, Reichman TW. Normothermic machine perfusion for discarded human pancreas allografts (*Under review in Transplant International*)
2. Ray S, Yousuf A, Dharia A, Ayoub G, Parmentier C, Norgate A, Schiff J, Shwaartz C, Selzner M, Reichman TW. Outcomes of pancreas transplantation in patients with underlying inflammatory bowel disease (IBD): a retrospective case series (*Under Review in Annals of Medicine and Surgery*)
3. Ray S, Shwaartz C, Sayed BA, Sapisochin G, Ghanekar A, McGilvray I, Cattral M, Lilly L, Tsien C, Selzner N, Bhat M, Jaeckel E, Selzner M, Reichman TW. Should advanced donor age be a Deterrent in Utilization of Grafts from Donation after Cardiac Death in liver transplantation? The Toronto Experience (*Under review in Canadian Journal of Surgery*)
4. **Published abstracts (First author only):**
5. Ray S, Parmentier C, Kawamura M, Arulratnam B, Noguchi Y, Nogueira E, Ganesh S, Selzner M, Reichman TW. Establishing the most physiological perfusion milieu for normothermic ex vivo pancreas perfusion in porcine models: how far have we reached? *Transplantation*. 2022; 106:S94-95.
6. Ray S, Parmentier C, Selzner M, McGilvray I, Sayed BA, Shwaartz C, Cattral M, Ghanekar A, Sapisochin G, Tsien C, Selzner N, Lilly L, Bhat M, Reichman TW. Donation after cardiac death (DCD) liver grafts from elderly donors: A comparative analysis of feasibility and outcome. *Transplantation*. 2022;106:S409-10.
7. Ray S, Mehta N, Chugh P, Nundy S. Albumin as a predictor of outcome in patients undergoing gastrointestinal (GI) and Hepato-pancreato-Biliary (HPB) operations: A prospective bi-cohort study. *HPB*. 2021; 23:S397
8. Ray S, Das S, Mangla V, Yadav A, Chugh P, Mehta N, Nundy S. Pre-operative prediction of outcome in patients undergoing Whipple’s pancreatoduodenectomy: prospective validation of a novel risk scoring. *HPB*. 2021;23:S71-2.
9. Ray S, Mehta N, Mangla V, Lalwani S, Mehrotra S, Chugh P, Yadav A, Nundy S. The Comprehensive complication index (CCI) vs the clavien dindo (CD) grading for measuring severity of post-operative complications- a prospective study in 1000 patients. *HPB*. 2018;20:s240
10. Ray S, Mehta N, Mangla V, Lalwani S, Mehrotra S, Yadav A, Nundy S. Comparison of Comprehensive complication index and Clavien Dindo grading for measuring outcomes following GI surgery- A prospective observational study in 1000 patients. *Tropical Gastroenterol*. 2017;38:s1
11. **Thesis, Projects (On going and past):**
12. 2021- till date: Normothermic ex vivo pancreas perfusion in extended cold storage porcine pancreatic grafts: A feasibility study. (In the lab of Dr TW Reichman, Toronto organ preservation laboratory, Toronto)
13. 2021- till date: Normothermic ex vivo perfusion of human discarded pancreas grafts. (In the lab of Dr TW Reichman, Toronto organ preservation laboratory, Toronto)
14. 2021- till date: Establishing the molecular signature of ischemia reperfusion injury in porcine pancreas transplantation model. (In the lab of Dr TW Reichman, Toronto organ preservation laboratory, Toronto)
15. 2021- till date: Normothermic ex vivo kidney perfusion in porcine survival models. (In the lab of Dr M Selzner, Toronto organ preservation laboratory, Toronto)
16. 2021- till date: Organox (Metra) study in human deceased donor liver transplantation at Toronto general hospital, Canada.
17. 2019-2021: Project supervisor for DNB (fellowship) in Surgical Gastroenterology and liver transplantation.
18. 2021: Book chapter: “Bed side teaching” in *Practicing academic medicine in developing countries* (in collaboration with Nundy S, Bhutta ZA, Kakar A); Springer 2021
19. 2016-18: International Collaboration (*Stanford University USA*): Jung EJ, Coste R, Gehani A, Ray S, Arora C, Nundy S. Automating the classification of post-surgery complication grades (using the RAXA software).
20. 2015-18: Thesis work (*DNB Surgical Gastroenterology*): Comparison of Comprehensive complication index (CCI) and Clavien-Dindo (CD) grading as measures of outcome in patients undergoing abdominal surgeries: A prospective observational study.
21. 2011-14: Thesis work (*MS General surgery*): Role of C- reactive protein (CRP), Blood urea nitrogen (BUN) and multi-slice CT scan as early predictors of severity in acute pancreatitis.
22. **Miscellaneous academic achievements:**
23. Organ perfusion workshop instructor (Lecturer) at the International Liver Transplant Symposium (ILTS) 2022 Istanbul, Turkey.
24. *Recognised Faculty (Trainer)*for the ***Gyan Burman HPB fellowship***, Sir Ganga Ram Hospital, under the aegis of IHPBA (*Dec 2019-Sep 2021*)
25. Peer reviewer: *Turkish Journal of Gastroenterology, BMJ Case reports, Annals of Transplantation, Global healthy policy and research*.
26. Media coverage: Article titled “The research output from Indian medical institutions from 2005 to 2014” received wide media coverage by leading Indian newspapers like *the Times of India, The Hindustan Times, The Telegraph, Indian Express* and over 30 different regional dailies
27. International media coverage: Article titled “The research output from Indian medical institutions from 2005 to 2014” covered in the *Washington Post, The Toronto Star*, highlighting the state of research in India on a global scale and the methods to improve the same.
28. International Journals: Article titled “The research output from Indian medical institutions from 2005 to 2014” covered in the editorial column of the *BMJ and the Lancet 2016.*
29. Media coverage: Credited with the first major liver resection in Braj district of western Uttar Pradesh, India.

**Awards received:**

1. ***2022 Ajmera Transplant Centre fellowship award*** (Toronto, Canada): 20000 CAD for the project titled: Expanding the pancreas transplant donor pool using a porcine normothermic ex vivo perfusion model (2022-23)
2. ***The Transplantation Society (TTS) Mentor-Mentee Award 2022*** (Buenos Aires, Argentina): 1500 USD for the research paper titled: Establishing the most physiological milieu for normothermic ex vivo pancreas perfusion in porcine model: How far have we reached?
3. ***Torrent Young Scholar Award (TYSA):*** Awarded best orator in medical debate at the national rounds in Ahmedabad, India; December 2017
4. ***Travel Bursary*** for the annual conference of Indian association of Surgical Gastroenterology (IASGCON) Puducherry, India; October 2017
5. Awarded ***Travel grant by the Department of Science and Technology (DST)***, India 2017; 1000 USD : Poster presentation in the Joint international congress of ILTS/ELITA/LICAGE Prague, Czech Republic; May 2017
6. Awarded ***best oral presenter*** at IASGCON 2016, Coimbatore, India for the research work: *Informed consent in 1000 Indian GI surgical and Liver transplant patients: A prospective observational study*.
7. Gold medallist in MBBS (Delhi university); Batch 2005-10.
8. Awarded Delhi medical association (DMA) Gold medal for the ***best outgoing medical graduate of the year 2009, Delhi University***
9. Ratan Mani Sharma award for first rank in second year MBBS
10. Dr Abhijeet Malhotra award for first rank in final MBBS
11. Highest marks in Final MBBS in Delhi University
12. Miss LV Pathak award for highest marks in Obstetrics and Gynaecology (2009)
13. Sharda Vishwanathan Prize for highest marks in Obstetrics and Gynaecology in Delhi University (2009)
14. Distinction in Biochemistry, Pathology and Microbiology
15. Batch topper in Biochemistry, Pathology, Microbiology, Forensic medicine, Surgery, Obstetrics and Gynaecology, Paediatrics
16. Awarded best all-round student of the year (2008) by UCMS alumni association, Delhi University.

**Oral and Poster presentations:**

* **Oral paper presentation:**
1. Canadian Donation and Transplantation Research Program (CDTRP) 9th annual scientific meeting Kelowna, BC, Canada, December 2022: Topic:*Expanding the donor pool using Normothermic Ex vivo Machine Perfusion model in pancreas transplantation*
2. TTS 2022, Buenos Aires; Argentina; September 2022: Topic: *Establishing the most physiological perfusion milieu for normothermic ex vivo pancreas perfusion in porcine models: how far have we reached?*
3. TTS 2022; Buenos Aires; Argentina; September 2022: Topic: *Donation after cardiac death (DCD) liver grafts from elderly donors: A comparative analysis of feasibility and outcome.*
4. IHPBA 2020, Melbourne; November 2020: Topic: *Pre-operative prediction of outcome in patients undergoing Whipple’s pancreatoduodenectomy: Prospective validation of a novel risk scoring*.
5. IASGO Moscow, Russia, September 2018. Topic: *A novel risk score for predicting post-operative outcomes in patients undergoing Whipple’s pancreatoduodenectomy based on pre-operative variables.*
6. IHPBA Geneva, Switzerland, September 2018. Topic: *The Comprehensive complication index (CCI) vs the Clavien Dindo (CD) grading for measuring severity of post-operative complications. A prospective study in 1000 patients.*
7. IASGCON Coimbatore, India, October 2016. Topic: *Informed consent in 1000 Indian GI surgical and Liver transplant patients: A prospective observational study.*
* **Poster presentation:**
1. Joint international congress of ILTS/ELITA/LICAGE, Istanbul, Turkey, May 2022. Topic: *MAiD donor as a viable source of grafts in liver transplantation: the North American Experience*.
2. American Transplant Congress (ATC) Boston, USA, June 2022. Topic: *Evolving trends in the management of duodenal complications after pancreas transplantation*.
3. Ajmera transplant centre research day, Toronto, Canada, June 2022. Topic: *Establishing the most physiological milieu for organ perfusion in normothermic ex vivo pancreas perfusion models: How far have we reached?*
4. IHPBA 2020, Melbourne November 2020. Topic: *Albumin as a predictor of outcome in patients undergoing Gastrointestinal (GI) and Hepato-pancreato-Biliary (HPB) operations: A prospective Bi-cohort study*.
5. IASGCON Puducherry, India, October 2017. Three poster presentations
6. Joint international congress of ILTS/ELITA/LICAGE, Prague, Czech Republic, May 2017. Topic*: Informed consent in 1000 Indian GI surgical and Liver transplant patients: A prospective observational study*.
7. IASGCON Coimbatore, India, October 2017. Topic: *Massive splenic artery aneurysm with aneurysmal dilatation of the portal vein and splenic infarct- a case report*.

**Conferences, Observer ship and Workshops attended:**

1. 9th annual scientific meeting of the Canadian Donation Training and Research Program (CDTRP), Kelowna BC, Canada, 2022: Attended as presenter/speaker.
2. 29th International Congress of the Transplantation society (TTS), 2022; Buenos Aires: Attended as oral presenter and award recipient.
3. Joint international congress of ILTS/ELITA/LICAGE 2022, Istanbul, Turkey; May 2022: Attended as invited lecturer (Organ perfusion workshop) and e-poster presenter.
4. American Transplant Congress (ATC) Boston, USA; June 2022: Attended as poster presenter and delegate.
5. Ajmera transplant centre research day, Toronto, Canada, June 2022: Attended as e-poster presenter and delegate.
6. Ajmera research methodology (ARM) course organised by the Ajmera transplant centre, TGH, Toronto: Selected for special health research methodology training (Nov 2022-May 2023) as a part of the Ajmera transplant centre fellowship grant award.
7. IASGCON 2021 (Virtual), New Delhi; Feb 2021: Attended as a Faculty and Chairperson (Invited HPB videos session)
8. IASGO Moscow, Russia; Sep 2019: Attended as a delegate and presenter.
9. IHPBA Geneva, Switzerland; Sep 2019: Attended as a delegate and presenter.
10. Short term observer training in Sanjay Gandhi Post Graduate Institute of Medical Sciences (SGPGIMS) Lucknow, Department of GI and HPB surgery, February 2018.
11. IHPBA annual conference, Pune, India 2018; Attended as a delegate
12. IASGCON Puducherry, India October 2018; Attended as a bursary awardee, delegate and presenter.
13. 12th IHPBA certificate course at Sir Ganga Ram Hospital, September 2017: Attended as a delegate
14. Joint international congress of ILTS/ELITA/LICAGE 2017, Prague, Czech Republic; May 2017: Attended as a delegate and presenter.
15. IASGCON Coimbatore, India, October 2017: Attended as a delegate and presenter.
16. ENDOLAP 2013 at Maulana Azad Medical College
17. Surgery Update 2012/2013 at Maulana Azad Medical College
18. Trained in Surgical skills (3 days course) during Post graduate training at MAMC skills lab certificate course (2011/2012)
19. BLS/ACLS certificate course (2012) at Maulana Azad Medical College

**Work experience in GI, HPB and LT surgery (2015-2021)**:

1. Surgeries assisted and performed during fellowship (2015-18) (numbers from the logbook):
* Oesophagectomy: Trans-hiatal and VATS: 15
* Lap fundoplication and cardiomyotomy: 10
* Operation for gastric volvulus: Lap and open (10)
* Gastrectomy: Total and partial and radical: 50
* Whipple’s operation: 50
* Cholecystectomies: Lap (150), Open (50), Radical (50), Partial/subtotal (20)
* Bilio-enteric anastomoses for biliary injuries: Open (50)
* Distal pancreatectomy: Open (30), Lap (3)
* Frey’s operation, Lateral pancreaticojejunostomy: Open (20)
* Hepatectomies: Right and left anatomical (20), Trisectionectomies (8), Mesohepatectomies (1), Posterior sectionectomy (2)
* Segment III Bypass: 5
* Operation for portal hypertension (Lienorenal shunt): 10
* Operation for hydatid cyst liver: Open (20), lap (2)
* Small bowel resection and anastomoses: Open (100), Lap (20)
* Hemicolectomy (left/right): Open (75), Lap (20)
* Low anterior resection: Open (35), Lap (10)
* Sigmoidectomy: Open (30), Lap (5)
* Sphincter saving rectal surgery (Inter-sphincteric resections): Open (20)
* Abdomino-perineal resection: Open (14), Lap (5)
* Operation for Ulcerative colitis (Pouch operations): Open (25), Lap (3)
* Hemorrhoidectomy (Stapler and Open): 100
* Anal fistula, fissure: 100
* ***Liver transplant operations***:
* Living donor hepatectomy: Right/Left lobe graft: 55
* Deceased donor organ retrieval: 2
* Recipient (Explant) total hepatectomy: 60
* Recipient (Implantation of graft): 45
* Benching/Back table/Perfusion: 45
* Miscellaneous: Dual lobe liver transplant (2), Swap transplant (2), Combined liver kidney transplant (2), Retransplant (1), Paediatric transplant (5), Liver transplant with simultaneous open-heart surgery for inflammatory myofibroblastic tumor of IVC (1)
* 3 years’ experience of managing Liver transplant ICU, Pre-transplant donor/recipient work up, Complications of CLD.
1. Work experience as Attending staff surgeon; GI and HPB surgery (Sep 2018- Sep 2021):
* Total GI, HPB and Liver transplant operations performed and supervised: 565
* Total laparoscopic GI and HPB operations performed and supervised: 105
* ***Basic laparoscopy***: Lap and Open cholecystectomies, appendectomies, incisional hernia operations (IPOM): Performed (100) and supervised residents (40)
* ***Advanced laparoscopy***: Lap assisted hemicolectomy (3), Lap Heller’s myotomy and fundoplication (5), Lap drainage of caudate lobe abscess (2), Lap assisted sigmoidectomy (2)
* ***HPB procedures***: Whipples’ PD (25), Distal pancreatectomy (20), Major hepatectomies (15), Biliary reconstructions (30)
* ***Colorectal***: Surgeries for IBD (15), Colectomies (27), low rectal operations (17)
* ***Upper GI***: Gastrectomies (12), Oesophagectomy (Trans-hiatal) (7)
* ***Living donor liver transplantation (LDLT) experience:***
* Donor hepatectomy: assisted and performed (under supervision): 20
* Recipient hepatectomy: performed (under supervision): 25
* Perfusion, Back table and Implantation: performed and assisted: 23
* Post-transplant ICU care
* Special cases: LDLT with cardiopulmonary bypass (TIPSS in situ); LDLT post Kasai procedure; LDLT with Nakamura D portal anatomy
* ***Deceased donor Liver transplantation (DDLT) experience***:
* Graft retrieval: assisted and performed: 2
* Implantation: assisted and performed: 2
* Teaching experience: Clinical and Theory classes for MBBS students on a regular basis (Sep 2018-Oct 2019). Academic duties as a faculty to moderate classes, ward rounds and journal clubs for DNB (Surgical gastroenterology) fellowship program (Oct 2019-Sep 2021)
* Regular Outpatient clinics
* COVID-19 pandemic (May-July 2021): special duties as medical officer in triage and casualty
* Organising CPCs, workshops, annual surgical gastroenterology conference
* Weekly audits (M&M) and research meets

**Referees recommended for the CV**

1. Prof Samiran Nundy

Emeritus consultant

Surgical gastroenterology and liver transplantation

Sir Ganga Ram Hospital, New Delhi, India

Email: snundy@hotmail.com

1. Prof Naimish N Mehta

Co-Chairman

Department of surgical gastroenterology and liver transplantation

Sir Ganga Ram Hospital, New Delhi, India

Email: dr.nmehta@hotmail.com

1. Dr Trevor W Reichman

Director (Pancreas and Islet cell transplant program)

Associate professor, Department of surgery

Toronto general hospital, University of Toronto

Toronto, Canada

Email: trevor.reichman@uhn.ca