

Personal details

Full name : Paromita Roy
Nationality : Indian
Postal Address : 124, Block F, New Alipore, Kolkata-700053, India.
Telephone : 91-9831121912
Email : paro37@yahoo.com
 : dr.paromita.roy@gmail.com
Date of birth : 13th December, 1976
Sex : Female

Qualifications

MD (Pathology), 2006
University of Calcutta, Institute of Post-Graduate Medical Education and Research,
Kolkata, India.

ARCPATH, 2011
Associate of Royal College of Pathologists

Jan 2015
Certified training on Lab Quality Management System and Internal Audit as per
ISO15189 :2012

Apr 2013
Completion of basic course on Good Clinical Practices

MBBS, 2000
University of Calcutta, Medical College, West Bengal, India

Medical Education and Work Experience

May2017 onwards – till date	Senior Consultant Department of Pathology Tata Medical Center Kolkata, India
May 2014 –April 2017	Associate Consultant Department of Pathology Tata Medical Center

	Kolkata, India
July 2010 – April 2014	Junior Consultant Department of Pathology Tata Medical Center Kolkata, India
Feb 2009 to April 2010	Fellowship in Head and Neck and Surgical Pathology , Department of Pathology, Toronto General Hospital, University Health Network. Toronto.
Sept 2008	Observerships in Molecular Oncologic Pathology and Oncologic Cytopathology , Department of Pathology, Tata Memorial Hospital and Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Mumbai
March 2007 to Aug 2008	Senior Registrar , Department of Pathology Tata Memorial Hospital, Mumbai
May 2006 to Dec 2006	Pathologist Cancer Center Welfare Home & Research Institute, Kolkata
May 2003 to April 2006	MD Degree Program in Pathology Department of Pathology, Institute of Post-graduate Medical Education and Research (IPGMER), Kolkata
Feb 2005 to March 2005	Short Term Training in Pathological Autopsy , Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh
Sep 1995 to Sep 2001	Medical training (MBBS) and Rotating Internship Medical College, Kolkata

Professional Organization Memberships

1. Indian Association of Pathologists and Microbiologists (IAPM)
2. International Academy of Pathologists- Indian Division (IAP-ID)
3. Royal College of Pathologists (RCPath)
4. United States and Canadian Academy of Pathologists (USCAP)
5. Pancreatobiliary Pathology Society (PBPS)
6. North American Society of Head and Neck Pathology (NASHNP)
7. Association of Pediatric Pathologists of India
8. Calcutta Association of Practicing Pathologists (CAPP)

Publications

1. Roy P, Chatterjee S, Chatterjee U. Audit of CT-Guided Stereotactic Brain Biopsy in a Neurological Unit – A Histopathological Perspective. *Journal of Association of Neuroscientists of Eastern India*. Vol 9, No.2, December 2004; 109-111.
2. Roy P, Rekhi B, Chinoy RF. Panorama of cytomorphological findings of filariasis in the contralateral breast, clinically mimicking a carcinoma in a known case: A case report. *Diagn Cytopathol*. Oct 1;36(11):794-796.
3. Roy P, Chatterjee UC, Ganguli M, Banerjee S, Chatterjee SK, Basu AK. A Histopathological Study of Liver and Biliary Remnants with Clinical Outcome in cases of Extra Hepatic Biliary Atresia. *Indian J Pathol Microbiol*. Indian J Pathol Microbiol. 2010 Jan-Mar;53(1):101-5.
4. Roy P, Chetty R. Goblet cell carcinoid tumours of the appendix : An overview. *World J Gastrointest Oncol*. 2010 Jun 15;2(6):251-8.
5. Roy P, Bullock MJ, Perez-Ordoñez B, Dardick I, Weinreb I. Epithelial-myoepithelial carcinoma with high grade transformation. *Am J Surg Pathol*. 2010 Sep;34(9):1258-65.
6. Roy P, Serra S, Kennedy E, Chetty R. The prognostic value of grade of regression and oncocytic change in rectal adenocarcinoma treated with neo-adjuvant chemoradiotherapy. *J Surg Oncol*. 2012 Feb;105(2):130-4. doi: 10.1002/jso.22073. Epub 2011 Aug 12
7. Mukherjee S, Roy P, Chatterjee U. A histopathological study of liver and biliary remnants in long term survivors (>10 years) of cases of biliary atresia. *Indian J Pathol Microbiol*, 2014
8. Approved for publication : Singh NJ, Tripathi N, Roy P, Manikantan K, Arun P. Simultaneous Triple Primary Head and Neck malignancies. : A Rare Case Report. *Head and Neck Pathology*. 2015 Oct 17. DOI 10.1007/s12105-015-0664-7.
9. Chatterjee G, DasGupta S, Mukherjee G, Sengupta M, Roy P, Arun I, Datta C, Mishra PK, Banerjee S, Chatterjee U. Usefulness of Wieneke criteria in assessing morphologic characteristics of adrenocortical tumors in children. *Pediatr Surg Int*. 2015 Jun;31(6):563-71. doi: 10.1007/s00383-015-3708-x. Epub 2015 Apr 17.

10. Das K, Bhattacharyya A, Chandy M, Roy MK, Goel G, Hmar L, Bhattacharya S, Roy P, Chakrabarti A. Infection control challenges of infrequent and rare fungal pathogens: lessons from disseminated *Fusarium* and *Kodamaea ohmeri* infections. *Infect Control Hosp Epidemiol*. 2015 Jul;36(7):866-8. doi: 10.1017/ice.2015.103. Epub 2015 May 7.
11. Parvin S, Ghosh R, Das RN, Saha K, Roy P, Datta C, Chatterjee U. Primary Renal Rhabdomyosarcoma: An Unusual Bone Metastasizing Tumor of Kidney. *Fetal Pediatr Pathol*. 2016;35(4):251-9. doi: 10.1080/15513815.2016.1175528. PMID: 27182845
12. Das S, Sengupta M, Islam N, Roy P, Datta C, Mishra PK, Banerjee S, Chaudhuri MK, Chatterjee U. Weineke criteria, Ki-67 index and p53 status to study pediatric adrenocortical tumors: Is there a correlation? *J Pediatr Surg*. 2016 Nov;51(11):1795-1800. doi: 0.1016/j.jpedsurg.2016.07.014. PMID: 27567308
13. Bera G, Das RN, Islam N, Roy P, Mishra PK, Datta C, Chaudhuri MK, Chatterjee U. FNAC Aided Diagnosis and Categorization of Hepatoblastoma:: A Report of Three Cases. *Diagn Cytopathol*. 2016 Sep 15. doi: 10.1002/dc.23606. [Epub ahead of print] PMID: 27629393
14. Bera G, Das RN, Roy P, Ghosh R, Islam N, Mishra PK, Chatterjee U. Utility of PAS and β -catenin staining in histological categorisation and prediction of prognosis of hepatoblastomas. *Pediatr Surg Int*. 2017 Jun 19. doi: 10.1007/s00383-017-4115-2. [Epub ahead of print] PMID: 28631020
15. Arun I, Roy P, Arora N, Bhave SJ, Nair R, Chandy M. PAX-5 Positivity in Anaplastic Lymphoma Kinase-Negative Anaplastic Large Cell Lymphoma: A Case Report and Review of Literature. *Int J Surg Pathol*. 2017 Jun;25(4):333-338. doi: 10.1177/1066896916683447. Epub 2016 Dec 26. PMID: 28013563
16. Das A, Mitra S, Ghosh D, Modi SK, Roy P, Das J, Bhattacharya S, Krishnan S, Das A, Bhattacharyya A. Vanishing Bile Duct Syndrome Following Cytomegalovirus Infection in a Child With Hodgkin Lymphoma. *J Pediatr Hematol Oncol*. 2018 Jan;40(1):83-84. doi: 10.1097/MPH.0000000000001048. No abstract available. PMID:29200152
17. Roy P, Datta J, Roy M, Mallick I, Mohandas M. Reporting of tumor budding in colorectal adenocarcinomas using $\times 40$ objective: A practical approach for resource constrained set-ups. *Indian J Cancer*. 2017 Oct-Dec;54(4):640-645. doi: 10.4103/ijc.IJC_642_17.PMID: 30082550

18. Guntiboina VA, Sengupta M, Islam N, Barman S, Biswas SK, Chatterjee U, Mishra PK, Roy P, Mallick MG, Datta C. Diagnostic and prognostic utility of SF1, IGF2 and p57 immunoeexpression in pediatric adrenal cortical tumors. *J Pediatr Surg*. 2018 Dec 27. pii: S0022-3468(18)30804-2. doi: 10.1016/j.jpedsurg.2018.12.002. [Epub ahead of print] PMID:30686519
19. Nayak SS, Roy P, Arora N, Arun I, Roy MK, Banerjee S, Mallick I, Mallath MK. Prevalence estimation of microsatellite instability in colorectal cancers using tissue microarray based methods - A tertiary care center experience. *Indian J Pathol Microbiol*. 2018 Oct-Dec;61(4):520-525. doi: 10.4103/IJPM.IJPM_430_17. PMID:30303141
20. Das A, Roy P, Modi SK, Achari RB, Sen S, Singh A, Sukumaran R, Bhattacharyya A. Germline DICER1-mutant intracranial sarcoma with dual chondroid and spindle cell morphology and pulmonary metastases treated with multimodal therapy. *Pediatr Blood Cancer*. 2019 Jul;66(7):e27744. doi: 10.1002/pbc.27744. Epub 2019 Apr 16. No abstract available. PMID: 30989777
21. Kukreja P, Parekh D, Roy P. Practical Challenges in Measurement of Depth of Invasion in Oral Squamous Cell Carcinoma: Pictographical Documentation to Improve Consistency of Reporting per the AJCC 8th Edition Recommendations. *Head Neck Pathol*. 2019 Jun 22. doi: 10.1007/s12105-019-01047-9. [Epub ahead of print] PMID:31230230
22. Acknowledgement - Wouter Bulten, Hans Pinckaers, Hester van Boven, Robert Vink, Thomas de Bel, Bram van Ginn. Automated Gleason Grading of Prostate Biopsies using Deep Learning. <https://arxiv.org/abs/1907.07980>
23. Singh A, Das A, Chatterjee A, Achari RB, S RK, Roy P. A Nonchordomatous-looking Chordoma: When INI-1 and Radiology Came to the Rescue!!! *J Pediatr Hematol Oncol*. 2020 Apr;42(3):218-219. doi:10.1097/MPH.0000000000001721.PMID: 32011562
24. Bulten W, Balkenhol M, Belinga JA, Brilhante A, Çakır A, Egevad L, Eklund M, Farré X, Geronatsiou K, Molinié V, Pereira G, Roy P, Saile G, Salles P, Schaafsma E, Tschui J, Vos AM; ISUP Pathology Imagebase Expert Panel, van Boven H, Vink R, van der Laak J, Hulsbergen-van der Kaa C, Litjens G. Artificial intelligence assistance significantly improves Gleason grading of prostate biopsies by pathologists. *Mod Pathol*. 2020 Aug 5. doi: 10.1038/s41379-020-0640-y. Online ahead of print.PMID: 32759979
25. Jain PV, Sharan R, Manikantan K, Clark GM, Chatterjee S, Mallick I, Roy P, Arun P. Redefining adequate margins in oral squamous cell carcinoma: outcomes from close and positive margins. *Eur Arch Otorhinolaryngol*. 2020 Apr;277(4):1155-1165. doi: 10.1007/s00405-019-05779-w. Epub 2020 Jan 2.PMID: 31897720

26. Saha G, Singh R, Mandal A, Das S, Chattopadhyay E, Panja P, Roy P, DeSarkar N, Gulati S, Ghatak S, Ghosh S, Banerjee S, Roy B, Ghosh S, Chaudhuri D, Arora N, Biswas NK, Sikdar N. A novel hotspot and rare somatic mutation p.A138V, at TP53 is associated with poor survival of pancreatic ductal and periampullary adenocarcinoma patients. *Mol Med.* 2020 Jun 17;26(1):59. doi: 10.1186/s10020-020-00183-1.PMID: 32552660
27. Mukherjee G, Bag S, Chakraborty P, Dey D, Roy S, Jain P, Roy P, Soong R, Majumder PP, Dutt S. Density of CD3+ and CD8+ cells in gingivo-buccal oral squamous cell carcinoma is associated with lymph node metastases and survival. *PLoS One.* 2020 Nov 19;15(11):e0242058. doi: 10.1371/journal.pone.0242058. eCollection 2020.PMID: 33211709
28. Roy P, Mallick I, Arun I, Zameer L, Dey D, Singh A, Chatterjee S, Jain P, Manikantan K, Sharan R, Pattatheyl A. Nodal yield and topography of nodal metastases from oral cavity squamous cell carcinoma - An audit of 1004 cases undergoing primary surgical resection. *Oral Oncol.* 2020 Dec 16;113:105115. doi: 10.1016/j.oraloncology.2020.105115. Online ahead of print.PMID: 33341004
29. Parekh D, Kukreja P, Mallick I, Roy P. Worst pattern of invasion - type 4 (WPOI-4) and Lymphocyte host response should be mandatory reporting criteria for oral cavity squamous cell carcinoma: A re-look at the American Joint Committee of Cancer (AJCC) minimum dataset. *Indian J Pathol Microbiol.* 2020 Oct-Dec;63(4):527-533. doi:10.4103/IJPM.IJPM_662_19.PMID: 33154300

Presentations at Meetings and Conference Abstracts

1. Invited lecture : MP-Pathcon 2019; 12th State conference of IAPM-MP Chapter; Approach to Diagnosis of Pediatric Solid Tumours; GR Medical college, Gwalior, 19-20th Oct, 2019
2. Invited lecture : Liver pathology : International Update 2019 – Neuroendocrine tumours of the liver, Seth GS Medical College and KEM hospital, Mumbai, 3-5th October, 2019
3. Invited lecture : The Agony and Ecstasy of Chasing Cases - Cases we Break our Head Over, Prince Ali Khan Hospital, Goa, 14-15th September, 2019

4. Case presentation – AAPUD, Kochi
5. Invited lecture : Latest E-nnovations and Advancements in Digital Pathology “LEAD 2019” – Opportunities for Computational Pathology in India – Changing clinical practice one byte at a time. Metropolis lab, Mumbai, April 2019.
6. (Poster) Tumour Budding in Pancreatic Ductal and Periampullary Adenocarcinomas : Validation of the ITBCC Scoring Method. Paromita Roy, Rohit Tapadia, Sudeep Banerjee, Lateef Zameer, Deep Lamichhane. 107th USCAP Annual Meeting, National Harbour, 2019.
7. (Poster) Correlation of p53 IHC with histopathological parameters and molecular data in periampullary and pancreatic ductal carcinomas : Can p53 IHC be used as a surrogate marker ?. Rohit Tapadia, Sudeep Banerjee, Nilabja Shikdar, Deep Lamichhane, Gaurab Saha, Paromita Roy. 107th USCAP Annual Meeting, National Harbour, 2019.
8. (Poster) Data extraction in oral cancer pathology using text mining. Paromita Roy, Indranil Mallick. 107th USCAP Annual Meeting, National Harbour, 2019.
9. Invited lecture : “Stump the experts”. 3rd International pediatric pathology CME. TMC, Kolkata-AIPNA-Park Clinic. 18-20th Jan, 2019.
10. Histopathological prognostic factors in Periampullary and Pancreatic Ductal Adenocarcinomas and their molecular correlation. Rohit Tapadia, S Banerjee, N Shikdar, D Lamichhane, G Saha, L Zameer, N Arora, P Roy. 67th Annual conference of IAPM. APCON2018. 30th Nov, 2018 (Best Paper Award).
11. Invited lecture of Germ Cell Tumours. 67th Annual conference of IAPM. APCON2018. 30th Nov, 2018.
12. Invited Lecture – “Breast and Uro pathology Update” – “Neuroendocrine neoplasms of the genitourinary tract”. CAPPCON 2018. 17th, 18th November, 2018.
13. Invited lecture – “Interesting case presentation – Brain tumour – DICER1 related tumours”. 2nd Pediatric Pathology CME, 2018. PGIMER-AIPNA. 1-3rd Feb, 2018.
14. Practical challenges in measurement of depth of invasion in oral squamous carcinoma – how easy is it to consistently follow AJCC 8th edition recommendations ? Prachi Kukreja, D Parekh, A Pattathayil, S Chatter, I Mallick, L Zameer, P Roy. 66th Annual conference of IAPM. APCON2017, 6th December, 2017, Bhopal (Best Paper Session).
15. Prognostic significance of tumour budding and cell nest size in early stage oral cavity squamous cell carcinoma. D Parekh, P Kukreja, I Arun, G Mukherjee, P

- Roy. 66th Annual conference of IAPM. APCON2017, 6th December, 2017, Bhopal (KC BasuMallick Award).
16. Invited lecture : Pre-conference CME : Role of IHC in resolving diagnostic dilemma in head and neck tumours. 66th Annual conference of IAPM. APCON2017, 6th December, 2017, Bhopal.
 17. (Poster) Interobserver Variability of Histopathological Regression Scoring Systems Following Neoadjuvant Chemo-Radiotherapy in Esophageal Cancer. Paromita Roy, Sayali Nagesh Honap, Indu Arun, Robin Thambudorai, Indranil Mallick. Tata Medical Center, Kolkata, West Bengal, India. USCAP, 2017
 18. Evidence based medicine – GI Core group committee : TMH, Mumbai, Feb 2017
 19. Invited lecture : Stump the Stars – Unknown GI case presentation. 22nd AIPNA CME, hosted by TMC, Kolkata, 27-29th January, 2016.
 20. Invited lecture - Dr. Gaya Prasad Memorial Pathology Symposium: Diffuse Endocrine System and Paragangliomas: Pathology, Predictive Biochemistry and Genetics – GI endocrine system pathology. APCON, 2nd December 2016, Jaipur
 21. Invited lecture - Pre-malignant and Malignant Lesions of the Esophagus: - Pathology of mesenchymal tissue emphasizing on stromal tumors. APCON, 3rd December 2016, Jaipur
 22. Scoring of Tumour budding in colorectal cancer – Proposal for a single hotspot 40x high power field method. Paromita Roy, Jayati Dutta, Indu Arun, Manas Roy, Indranil Mallick, Mohandas Arun. APCON, 2nd December 2016, Jaipur (Best paper session).
 23. Moderator – Panel Discussion, 3rd International CME – Gastrointestinal, Liver and Pancreatic tumours, TMC, Kolkata, Jan2016.
 24. Invited lecture - Update in Uro pathology CME. Recent entities/interesting cases- a peek via cases. APCON, 4th December 2015, Kochi
 25. Comparison study of 6 histopathological regression scoring systems in post NACRT specimens of esophageal carcinoma. S Honap, Indu Arun, Robin Thambudorai, P Roy. APCON, 2015, Kochi (Best Paper Award).
 26. Relating Mismatch repair protein expression with microsatellite instability status and its clinic-pathological features in colorectal carcinoma : a study of 236 cases. Sonali Nayak, Indu Arun, N Arora, DK Mishra, Mohandas K Mallath, P Roy. APCON, 2015, Kochi. (Best paper session)

27. Analysis of MSI instability in Eastern India. Sonali Nayak, L Zameer, Paromita Roy. IAPM, West Bengal Chapter, Annual Conference, 2015, Kolkata.
28. Evaluation of Clinico-pathological parameters and applicability of the Ryan Histopathological Regression scoring system in surgically resected squamous and adenocarcinoma of the esophagus, post Neoadjuvant Chemoradiotherapy. Sayali Honap, Indu Arun, Robin Thambudorai, M Roy, S Banerjee, I Mallick, P Roy. IAPM, West Bengal Chapter, Annual Conference, 2015, Kolkata.
29. S Nayak, Indu Arun, N Arora, DK Mishra, Mohandas K Mallath, P Roy. IAPM, West Bengal Chapter, Annual Conference, 2015, Kolkata.
30. Pathology of neuroendocrine tumour, Clinicopathological update of neuroendocrine tumours, (Novartis sponsored programme), August, 2015.
31. Role of immunohistochemistry in melanocytic lesion, CME of premelanocytic lesions, TMC, May 2015.
32. (Poster) Predictive factors and topography of Nodal metastasis from oral cavity squamous cell carcinomas – an audit of 304 cases undergoing primary surgical resection. USCAP, Boston, March 2015
33. Frozen section reporting of thyroid lesions – ISHNO, March, 2015.
34. Moderator and Case Presentation, CME on neuroendocrine tumours, IAPM, West Bengal State Chapter, Monthly meeting. Feb, 2015.
35. CME on Vascular tumours of intermediate malignant potential, APCON, Dec, 2014
36. (Presentation) Molecular classification of Medulloblastoma – ISNOCON – West Bengal Chapter, 2014.
37. CME on “Benign mimics of lymphoma” – Moderator and presenter. Dec, APCON, 2013.
38. Role of Moc-31 IHC in cell blocks from fluid and fine needle aspiration cytology. Vishal P Rao, P Roy. CYTOCON, 2013.
39. (Poster) Lymph node yield and MRI Correlation of pathological lymph nodes after Neoadjuvant chemoradiation in rectal cancers. Roy P, Chandra A, Kar M. USCAP, 2013
40. (Poster) Is the routine preparation of cell blocks in cytopathology useful in a tertiary cancer hospital? Roy P, Nauman A, Ibrahim SP. CYTOCON, 2012

41. (Poster) Intra nuclear inclusions in fine needle aspirate of mucoepidermoid carcinoma of parotid gland – a case report. Roy P, Arun I CYTOCON, 2011
42. (Poster) The prognostic value of grade of regression and oncocytic change in rectal adenocarcinoma treated with neo-adjuvant chemoradiotherapy. Roy P, Serra S, Kennedy E, Chetty R. USCAP, 2010
43. (Oral presentation) Arsenic in drinking water – effects on blood and bone marrow. Roy P, Bhattacharya PK, Mukherjee K, Ghosh A. 54th Annual Conference of the Indian Association of Pathologists and Microbiologists, December 2005, Indore. (Best Paper Session)
44. (Oral presentation) A Histopathological Study of Liver and Biliary Remnants with Clinical Outcome in cases of Extra-Hepatic Biliary Atresia. Chatterjee U, Roy P, Ganguly M, Banerjee S, Basu AK, Chatterjee SK. 54th Annual Conference of the Indian Association of Pathologists and Microbiologists, December 2005, Indore.
45. (Oral presentation) Hematological Profile Study of Patients with Chronic Arsenic Poisoning from drinking water in West Bengal. Roy P, Bhattacharya PK, Mukherjee K, Ghosh A. 15th Annual State Conference of the Indian Association of Pathologists and Microbiologists, (West Bengal Chapter), October 2005, Kolkata.

Research Projects

1. Investigation of the somatic drivers of mucosal melanoma (ISDM Study) (IRB Ref No EC/TMC/57/15)
2. Study of prevalence of Microsatellite instability in Eastern India (PREMISE study) (IRB Ref No. EC/TMC/32/14)
3. A somatic mutational profile of *TP53* and *RAS* genes and Characterization of whole genome-wide SNP array pattern of Pancreatic Cancer in Indian Population. Acronym: PANC GEN. Nilabja S, Sudeep Banerjee, Manas Roy, Paromita Roy
4. Analysis of cost-efficient lymph node dissection techniques in head and neck cancers
5. Evaluation of Prognostic markers(CD30, Mum1, CD5, CD4 and HER2) in DLBL in the post Rituximab era (2013)
6. Mandible Project (2008)
7. Long term outcome evaluation of pure palpable Ductal Carcinoma In Situ of last 20 years(1988 to 2008) and its prognostication based on pathological features.
8. 'A Haematological Profile Study in Patients of Chronic Arsenic Toxicity from Drinking Water in West Bengal'. (2003 – 2006)