

Dr. Dipanwita Banerjee

Gynecologic Oncologist & Researcher · HPV, Cervical Cancer Prevention, AI in Medicine

Journal Publications

- Banerjee D**, Sharma A, Dhamija E, Qazi S, Mathur SR and Bhatla N (2026). Diagnostic accuracy of artificial intelligence in detection of ovarian cancer—a pilot study. *Front. Med.* 13:1729412.
- Meena J, **Banerjee D**, Kim SI, Komatsu H, Kwok ST, Lai YL, Weng CS, Yang J, Zalameda-Castro C, Charoenkwan K, Lee YY, Noh JJ. Current status and challenges in training the next generation of gynecologic cancer care providers in Asia. *J Gynecol Oncol.* 2025 Nov;36(6):e103.
- Sharma H, Parekh S, Pujari P, Shewale S, Desai S, Bhatla N, Joshi S, Pimple S, Kawade A, Balasubramani L, Thomas A, Suri V, Lalwani S, Uday R, Kamath V, Mandal R, Rajeswar A, Peedicayil A, Poli UR, **Banerjee D**, Sankaranarayanan et al. Immunogenicity and safety of a new quadrivalent HPV vaccine in girls and boys aged 9–14 years versus an established quadrivalent HPV vaccine in women aged 15–26 years in India: a randomised, active-controlled, multicentre, phase 2/3 trial. *Lancet Oncol.* 2023 Dec;24(12):1321–1333.
- Banerjee D**, Nandwani M. National and International Human Papillomavirus Vaccination program with Special reference to Low and Middle Income Countries: The hurdles and the Success Stories. *J Curr Oncol Trends.* Accepted for publication 05/01/2026.
- Banerjee D**, Nandwani M, Reddy PM. Role of Sentinel Lymph Node in Gynaecological Cancers. *AOGD Bulletin.* 2024, Volume 24, December, Issue 8.
- Chakrabarti J, Mandal R, Vernekar M, **Banerjee D**, Sengupta A, Bose S. Evaluating the Feasibility of Mobile Screening Units for Early Detection of Cancer in the Community. *Journal of Current Oncological Trends* 1(2):105–109, Jul–Dec 2024.
- Bose S, Basu P, Mandal R, Chakrabarti J, Vernekar M, **Banerjee D**, Chatterjee P, Ray C. A Study of the Impact and Restitutive Efforts of Cervical Cancer Screening during the COVID-19 Pandemic in a Regional Cancer Centre in Eastern India. *Asian Pac J Cancer Prev.* 2023 Oct 1;24(10):3495–3500.
- Banerjee D**. Screening technologies for cervical cancer: Overview. *CytoJournal.* 2022;19:23.
- Singhal S, Sharma A, Dhamija E, Kumar S, Meena J, Kumari R, Singh A, Kumari S, Natarajan J, Sabarinath A, Mandal A, Chandra R, Rai R, **Banerjee D** et al. Role of computed tomography (CT) scan based reporting system 'PAUSE' to predict surgical resectability in Epithelial ovarian cancer. *Int J Gynecol Cancer* 2022;32(Suppl 2):A1–A504.
- Mandal R, **Banerjee D**, Gupta K, Chatterjee P, Vernekar M, Ray C. Experience of Human Papillomavirus Vaccination Project in a Community Set Up — An Indian Study. *Asian Pacific Journal of Cancer Prevention.* 2021;22(3):699–704.
- Banerjee D**, Bhatla N, Mathur S, Kumari R, Singh A. Human papillomavirus independent squamous cell cancer of cervix: a case report. *J Gynecol Oncol.* 2021;32(S1):C19.

12. Kumari S, Chandra R, **Banerjee D**, Bhatla N. Perception of gynaecologic cancer patients undergoing surgical management at a tertiary care center during COVID-19 pandemic: a descriptive study. *J Gynecol Oncol*. 2021;32(S1):M10.
13. Bhatla N, Meena J, Kumari S, **Banerjee D** et al. Cervical Cancer Prevention Efforts in India. *Indian J Gynecol Oncol*. 2021;19(3):41.
14. **Banerjee D**, Mandal R, Mandal A, Ghosh I, Mittal S, Muwonge R, Lucas E, Basu P. A Prospective Randomized Trial to Compare Safety, Acceptability and Efficacy of Thermal Ablation and Cryotherapy in a Screen and Treat Setting. *Asian Pacific Journal of Cancer Prevention*. 2020;21(5):1391–1398.
15. Chatterjee P, Dey R, **Banerjee D** et al. Point Prevalence Study of Communicable and Non-Communicable Diseases and Cervical Cancer Screening in Female Sex Workers (FSW) in an Urban Area of Eastern India. *SAS J Surg*. 2021 Apr;7(4):201–206.
16. Chatterjee P, **Banerjee D**, Vernekar M, Mandal R. Primary Vaginal Clear Cell Adenocarcinoma: Case Report with Literature Review. *Sch J Med Case Rep*. 2021 Apr;9(4):393–397.
17. Mandal R, Ghosh I, **Banerjee D** et al. Correlation Between p16/Ki-67 Expression and the Grade of Cervical Intraepithelial Neoplasias. *Int J Gynecol Pathol*. 2020 Jul;39(4):384–390.
18. **Banerjee D**, Taghavi K, Mandal R et al. Gynocular™ as a Field Colposcope: Real-life Experiences from a VIA and HPV DNA-based Cervical Cancer Screening Program in Rural India. *The Journal of South Asian Federation of Menopause Societies*. 2018;6:52–56.
19. Mittal S, Basu P, Mandal R, Ghosh I, **Banerjee D**, Panda C, Biswas J. Enablers and Barriers of Follow-Up Care: An Experience From an HPV DNA Detection–Based Cervical Cancer Screening Program in Rural India. *Journal of Global Oncology*. 2018;4(Suppl 2):144s.
20. **Banerjee D**, Mandal A, Chakraborty R. Bevacizumab in Gynaecological Malignancies: New Drugs in Obstetrics and Gynaecology. *FOGSI Focus*. April 2018.
21. Basu P, **Banerjee D**, Mittal S et al. Evaluation of a compact, rechargeable, magnifying device to triage VIA and HPV positive women in a cervical cancer screening program in rural India. *Cancer Causes Control*. 2016 Oct;27(10):1253–1259.
22. Basu P, Muwonge R, Mittal S, **Banerjee D** et al. Implications of semi-quantitative HPV viral load estimation by Hybrid Capture 2 in colposcopy practice. *J Med Screen*. 2015, doi:10.1177/0969141315606483.
23. Ghosh I, Mittal S, **Banerjee D** et al. Association between high risk human papillomavirus infection and co-infection with *Candida* spp. and *Trichomonas vaginalis* in women with cervical premalignant and malignant lesions. *J Clin Virol*. 2017 Feb;87:43–48.
24. Mittal S, Basu P, Muwonge R, **Banerjee D** et al. Risk of high grade precancerous lesions and invasive cancers in high risk HPV positive women with normal cervix or CIN1 at baseline — a population based cohort study. *Int J Cancer*. 2017 Apr 15;140(8):1850–1859.
25. Roychowdhury A, Samadder S, Islam MS, Chaudhury K, Roy A, **Banerjee D** et al. Identification of Changes in the Human Papilloma Virus 16 (HPV16) Genome During Early Dissemination of Cervical Cancer Cells May Complement Histological Diagnosis of Lymph Node Metastasis. *Pathol Oncol Res*. 2017 Oct;23(4):845–852.

26. Mandal D, Sircar G, Pandey A, Mandal S, **Banerjee D**, Ghosh A, Panja M. Menstrual and Gonadal Function Alterations in Women with Systemic Lupus Erythematosus. *Journal of The Association of Physicians of India*. 2015 Aug;63.
27. Basu P, Jenson AB, Majhi T, Choudhury P, Mandal R, **Banerjee D** et al. Phase 2 Randomized Controlled Trial of Radiation Therapy Plus Concurrent Interferon-Alpha and Retinoic Acid Versus Cisplatin for Stage III Cervical Carcinoma. *Int J Radiat Oncol Biol Phys*. 2016 Jan 1;94(1):102–110.
28. Ghosh I, Mittal S, **Banerjee D** et al. Study of correlation of cervical epithelial thickness with the grade of colposcopic abnormality. *Int J Gynecol Pathol*. 2016 May;35(3):269–274.
29. Basu P, Mittal S, **Banerjee D** et al. Diagnostic accuracy of VIA and HPV detection as primary and sequential screening tests in a Cervical Cancer Screening Demonstration Project in India. *Int J Cancer*. 2015, doi:10.1002/ijc.29458.
30. Basu P, **Banerjee D** et al. Sensitivity of APTIMA HPV E6/E7 mRNA test in comparison with hybrid capture 2 HPV DNA test for detection of high risk oncogenic human papillomavirus in 396 biopsy confirmed cervical cancers. *J Med Virol*. 2016 Jul;88(7):1271–1278.
31. Mittal S, Ghosh I, **Banerjee D** et al. Reproducibility of cervical intraepithelial neoplasia diagnosis on histological review of cervical punch biopsies from a visual inspection with acetic acid and HPV detection based screening program. *Int J Gynecol Obstet*. 2014;126(3):227–231.
32. Basu P, **Banerjee D**. Efficacy and Safety of Human Papillomavirus Vaccine for Primary Prevention of Cervical Cancer — A review of evidences from phase III trials and national programs. *South Asian Journal of Cancer*. 2013;2(4).
33. Ghosh I, Mittal S, **Banerjee D** et al. Study of accuracy of colposcopy in VIA and HPV detection-based cervical cancer screening program. *Australian and New Zealand Journal of Obstetrics and Gynaecology*. 2014;54:570–575.
34. **Banerjee D**, Ghosh I, Das P et al. Extra genital Bowen's Disease on abdomen co-existing with Vulvar Intraepithelial Neoplasia — A case report. *Journal of Obstetrics and Gynecology of India*. 2015 Jul;66(3).
35. Mittal S, **Banerjee D**, Chatterjee S, Biswas J, Basu P. Lessons learnt from an implementation research study on HPV Detection based cervical cancer screening program in low resource setting. *Asia-Pacific Journal of Clinical Oncology*. 2014;10(Suppl S9).

Books, Reviews & Book Chapters

1. Deb Kanango A, Reddy PM, **Banerjee D**. Invasive Adenocarcinoma of the Cervix: Molecular Categorization and Clinical Implications. In: Nigam A, Kriplani A (Eds). *Recent Advances in Obstetrics and Gynecology*. Vol 4. New Delhi: Evangel Publishing; 2026. pp. 315–326.
2. **Banerjee D**, Basu P. Screening for Cervical Cancer and the Role of AI. *FOGSI EEBR 2.0 Genital Malignancy; Ethical Evidence-Based Recommendations*. Federation of Obstetric and Gynaecological Societies of India (FOGSI) and Globe Pharma Publications Pvt. Ltd. 2025. ISBN 978-81-996712-2-5.
3. Tumours of the Cervix uteri. In: *Jeffcoat's Principles of Gynaecology*, 9th Edition. Chapter pages 553–572. ISBN: 9789352704774. Jaypee Publishers. [Contributing Author: **Dr. Dipanwita Banerjee**]

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4. **Banerjee D**, Mandal R, Chhetri A. Cervical Cancer Screening in Pregnancy. In: Mehta S, Singla A (Eds). *Preventive Oncology for the Gynecologist*. Springer; 2019. Chapter 13. doi:10.1007/978-981-13-3438-2_13.
 5. **Banerjee D**. Controversies in Myoma Morcellation — An Update. In: *Text Book on Fibroids*. 1st Edition. pp. 237–243. ISBN: 9789387085138. CBS Publishers and Distributors Pvt. Ltd.
 6. **Banerjee D**, Barsode SD, Basu P. Management of Gestational Trophoblastic Diseases — An Update. *Reviews on Recent Clinical Trials*. 2015;10(4):255–262. ISSN: 1574-8871.
 7. Book Review: Human papillomavirus — Bench to bedside. Eds. Ramírez-Fort MK, Khan F, Rady PL, Tyring SK. Karger, Basel, Switzerland, 2014. ISBN 978-3-318-02526-2. Reviewed by **Dr. Dipanwita Banerjee** and Dr. Partha Basu. *Indian J Med Res*. 2015 Mar;141:373–375.
 8. Management of Abnormal Pap Smear. In: *Precancerous Lesions of Cervix — Prevention, Early Diagnosis and Management*. Editor: Dr. Maninder Ahuja. Co-Editor: Dr. Partha Basu, **Dr. Dipanwita Banerjee**. Jaypee Brothers, New Delhi.