

BRIEF BIODATA

1. **Name:** Dr Sanjay Gupta
2. **Designation :** Scientist G (Director Gr Scientist)
3. **Academic Qualification :** M.D. Pathology
4. **Field of Specialization :** Pathology



5. **Areas of Interest :** Cervical Cancer Screening, Translational Research, Oncopathology,

6. **Positions Held :**

- a) Senior Demonstrator –Pathology (20-7-88 to 19-7-91), University College of Medical Sciences, Delhi.
- b) Pool Officer (CSIR) –Pathology (20-7-91 to 30-11-93), University College of Medical Sciences, Delhi.
- c) Senior Research Officer –Div of Cytopathology (1-12-93 to 30-11-99), Institute of Cytology & Preventive Oncology (ICMR), Delhi
- d) Assistant Director –Div of Cytopathology (1-12-99- 30-11-2005), Institute of Cytology & Preventive Oncology (ICMR) , Delhi
- e) Deputy Director (Scientist E)- Div of Cytopathology (1-12-05 to 31-08-2011) , Institute of Cytology & Preventive Oncology (ICMR), Delhi
- f) Dy Director Sr Grade (Scientist F), Div of Cytopathology (01-09-2011 to 31-08-2016) ICPO (ICMR)
- g) Scientist G (Director Gr), Div of Cytopathology (01-09-2016 to cont.) NICPR (ICMR)

7. **Academic Awards/Honours:**

- ▶ First author in paper “ Rehydration of cervical smears –a feasible alternative to conventional wet fixation” awarded 1st prize in 15th Annual Chapter Meeting of Delhi IAPM, MAMC, Delhi,2003
- ▶ First author in paper “ Role of Ductal Lavage cytology in diagnosis of breast cancer” awarded 2nd prize at 33rd Annual Conference of IAC, Pune,2003
- ▶ Co-author in paper “Cytomorphological spectrum of filariasis in India” adjudged as best paper in 49th Annual IAPM Conference, Delhi, 2000

- ▶ Co-author in paper “Hyaline globules in Breast aspirates” awarded 2nd prize at 31st IAC Conference, Hyderabad, 2001.
- ▶ Co- author in paper “Evaluation of p16ink4a as a biomarker in cervical intraepithelial neoplasia”, awarded best paper prize, at AOGIN conference at Mumbai, 2012

8. No. of Students Ph.D/M.D Guided : M.D. Obstet & Gynae- 2
 D.N.B, Pathology -1
 M.Sc Biotechnology - 1

9. No. of Projects as PI / Co-investigator:

- a) as **PI** –1 : “Biological behavior of Human Papilloma Virus infection of uterine cervix in Indian women”
- b) as **Co-investigator**- 10

10. No. of Conferences/Symposia attended:

National Conferences: 20
 Regional Conferences/meetings: 46
 CME / Symposia/ Workshops : 35
Papers presented at conferences: 25

12. Guest Lectures delivered: 20

13. Publications: (List enclosed)
 International Journals: published- 56
 National Journals: published –20

14. Other Assignments:

- Technical Expert in ‘Operational Framework’ document for screening and management of common cancers in India
- Nodal person for ‘Global Knowledge Hub for Smokeless Tobacco’ at NICPR
- On review board of International and National Pathology Journals
- On expert panel of Tele-pathology Society of India

15. Membership of professional bodies:

- Indian Academy of Cytology
- Indian Association of Pathologists and Microbiologists

- Indian Association of Cancer Research
- Noida Association of Pathologists and Microbiologists
- Tele-pathology Society of India
- Indian Medical Association
- Delhi Medical Association

LIST OF RESEARCH PAPERS/ ARTICLES PUBLISHED

International journals

1. Gupta S, Dev G, Marya S. Chondromyxoid Fibroma: a Fine needle aspiration diagnosis. **Diagn Cytopathol** 1993; 9: 63-65
2. Gupta S, Bhambhani. Paranuclear blue bodies in a follicular neoplasm of thyroid. **Acta Cytol** 1997; 41: 1225
3. Gupta S, Sodhani P. Sialadenosis of parotid gland: A cytomorphologic and morphometric study of four cases. **Analytical Quant. Cytol and Histol** 1998; 20: 225-228
4. Das D.K, Jain S, Tripathi R.P, Prakash S, Khan I.U, Rajwanshi A, Gupta S. Marginal vacuoles in thyroid aspirate. **Acta Cytol** 1998; 42: 1121-1126
5. Sodhani P, Gupta S. Columnar and metaplastic cells in vault smears: Cytologic and colposcopic study. **Cytopathology** 1999; 10: 122-126
6. Gupta S, Sodhani P. Nuclear grooves in intermediate cells in cervical smears. **Cytopathology** 2000; 11: 91-95
7. Gupta S, Sodhani P. Malignant Oncocytoma of a submandibular salivary gland. **Acta Cytol** 2000; 44: 492-493
8. Jain S, Gupta S, Sodhani P, Sakhuja P, Kumar N. Cytomorphology of filariasis revisited : Expansion of the morphologic spectrum and co- existence with other lesions. **Acta Cytol** 2001; 45 : 186-191
9. Gupta S, Sodhani P, Jain S, Kumar N. Microfilariae in association with neoplastic lesions: report of five cases. **Cytopathology** 2001; 12: 120-126
10. Sodhani P, Gupta S, Jain S. Unusual presentation of disseminated echinococcosis with thyroid involvement: diagnosis by fine needle aspiration cytology in a clinically unsuspected case. **Acta Cytol** 2002; 46: 75-76
11. Jain S, Kumar S, Sodhani P, Gupta S. Cytology of collagenous spherulosis of the breast: a diagnostic dilemma- report of three cases. **Cytopathology** 2002; 13: 116-120
12. Gupta S, Sodhani P, Jain S. Macroconidia of Fusarium species: an unusual finding in cervical smears. **Acta Cytol** 2003; 47: 41-44
13. Gupta S, Jain S, Sodhani S. Alveolar soft part sarcoma: a rare entity with unique cytomorphological features. **Cytopathology** 2003; 14 : 40-41
14. Gupta S, Sodhani P, Jain S. Primary malignant melanoma of uterine cervix: a rare entity diagnosed Fine needle aspiration cytology- report of a case. **Cytopathology** 2003; 14: 153-156
15. Kumar N, Das P.M, Jain S, Sodhani P, Gupta S. Melanoma of the soft parts: Diagnosis of metastatic and recurrent tumors by aspiration cytology. **Diagn Cytopathol** 2003; 28: 295-300

16. Jain S, Gupta S, Kumar N, P.Sodhani Extracellular hyaline material in association with other morphologic features in aspirates from collagenous spherulosis and adenoid cystic carcinoma of the breast. **Acta Cytol** 2003; 47: 381-386
17. Gupta S, Sodhani P, Jain S. Acantholytic cells exfoliated from Pemphigus Vulgaris of uterine cervix: a diagnostic pitfall on cervical cytology: Case report. **Acta Cytol** 2003; 47: 795-798
18. Gupta S , Sodhani P, Chachra K.L. Rehydration of air-dried cervical smears: a feasible Alternative to conventional wet fixation. **Obstet Gynecol** 2003; 102: 761-764
19. Jain S, Kumar N, Sodhani P, Gupta S. Insular carcinoma of the thyroid with predominant microfollicular pattern on fine needle aspiration cytology: a diagnostic pitfall. **Acta Cytol** 2004; 48:111-113
20. Gupta S , Sodhani P, Jain S, Kumar N. Morphological spectrum in Papillary carcinoma of Thyroid . Role of cytology in identifying its different variants. **Acta Cytol** 2004; 48: 795-800
21. Sodhani P, Gupta S, Singh V, Sehgal A, Mitra A.B. Eliminating “atypical squamous cells of undetermined significance”diagnosis: impact on accuracy of Papanicolaou test. **Acta Cytol** 2004; 783-787
22. Sodhani P, Grag S, Bhalla P, Singh M.M, Sharma S, Gupta S. Prevalence of Bacterial vaginosis in a community setting and role of Pap Smear in its detection. **Acta Cytol** 2005; 49: 634-638
23. Sodhani P, Gupta S, Singh V, Sehgal A, Halder K, Parashari A. Sensitivity of Pap Test to detect high grade lesions: what should be the acceptable cytology threshold for colposcopic referrals? **Acta Cytol** 2006; 50: 181-184
24. Sodhani P, Gupta S. Pulmonary echinococcosis complicated with actinomycotic abscess: a rare fine needle aspiration diagnosis. **Acta Cytol** 2006; 50: 359-360
25. Gupta S, N. Kumar, N. Singhal, U. Manektala, S.Jain, P.Sodhani. Cytohormonal and morphological alterations in cervical smears of postmenopausal women on Hormone replacement therapy. **Diagn Cytopathol** 2006; 34: 676-681
26. Gupta A, Arora R, Gupta S, Kailash U, Prusty BK, Batra S, Das BC. Human Papillomavirus DNA IN urine samples of women with or without cervical cancer and their male partners compared with simultaneously collected cervical/penile smear or biopsy specimens. **J Clin Virol** 2006; 37: 190-194
27. Sodhani P, Gupta S, Sharma JK , Parashari A, Halder K, Singh V, Sehgal A. Test characteristics of various screening modalities for cervical cancer: a feasibility study to develop an alternative strategy for resource limited settings. **Cytopathology** 2006; 17: 348-352

28. Gupta S, Singh V, Sehgal A, Sodhani P. Cervical cancer in resource limited settings: "Preventable but not yet prevented" (**Invited Review**). **Expert Review Obstetrics and Gynecology** 2007; 2: 515-527
29. Gupta S, Halder K, Khan V.A, Sodhani P. Cell block as an adjunct to conventional Papanicolaou smear for diagnosis of cervical cancer in resource limited settings. **Cytopathology** 2007; 18: 309-315
30. Gupta S, Sodhani P, Halder K, Chachra KL, Sardana S, Singh V, Sehgal A. Spectrum of Epithelial Cell Abnormalities of uterine cervix in a cervical cancer screening programme: implications for resource limited settings. **Eur J Obstet Gynecol & Reprod Biol** 2007; 134: 238-242
31. Gupta S, Sodhani P, Singh V, Sehgal A. Outcome of Atypical Squamous Cells in cervical Cancer screening programme. **Diagn Cytopathol** 2007; 35: 677-680
32. Gupta S, Sodhani P, Halder K, Chachra K.L, Singh V, Sehgal A. Age trends in re-cancerous and cancerous lesions of uterine cervix in a cytology screening programme: What should be the target age group for major thrust of screening in resource limited settings? **Cytopathology** 2008; 19: 606-610
33. Pande S, Jain N, Prusty BK, Bhambhani S, Gupta S, Sharma R, Batra S, Das BC HPV-16 : Variant Analysis of E6, E7, L1 Genes and Long Control Region in Cervical Cancer Patients from North India. **J Clin Microbiol** 2008; 46:1060-1066
34. Halder K, Chachra K.L, Sodhani P, Gupta S. Utility of Imprint Cytology for an early presumptive diagnosis in clinically suspicious cervical cancer. **Acta Cytol** 2008; 52:286-293
35. Aggarwal S, Arora V.K, Gupta S, Singh N, Bhatia A . "Koilocytosis: Correlations with high risk HPV and its comparison on tissue sections and cytology, urothelial carcinoma." **Diagn Cytopathol** 2009; 37: 174-177
36. Gupta S, Sodhani p, Sharma A, Sharma J.K, Halder K, Charchra K.L, Sardana S, Singh V, Sehgal A, Das B.C. Prevalence of high-risk human papillomavirus types 16 /18 infection of uterine cervix among women with normal cytology: Risk factor analysis and implications for cervical cancer screening and prophylaxis. **Cytopathology** 2009; 20: 249-255
37. Sehgal A, Gupta S, Parashari A, Sodhani P, Singh V. Urine HPV-DNA detection for cervical cancer screening: prospects and prejudices. **J Obstet Gynecol** 2009; 29: 583-589
38. Gupta S, Chachra K.L, Bhadola P, Sodhani P. Modified Papanicolaou staining protocol with minimum alcohol use: a cost cutting measure for resource limited settings. **Cytopathology** 2010; 21: 229-233
39. Gupta S, Sodhani P. Clinically Unsuspected Thyroid Involvement in Cysticercosis: A Case Report. **Acta Cytol** 2010, 54(S) : 853-856
40. Gupta S, Jain S, Khurana N, Agarwal PN, Sodhani P. Oncocytic papillary cystadenoma of parotid gland: A diagnostic challenge on fine needle aspiration cytology. **Diagn Cytopathol** 2011; 39: 627-630

41. Gupta S, Jain S, Sodhani P. Breast carcinoma with coexistent microfilariasis and filarial lymphadenitis diagnosed on cytology. **The Breast Journal** 2011; 17: 100-102
42. Gupta S, Sodhani P. Reducing ‘Atypical Squamous Cells’ overdiagnosis on cervico-vaginal smears by diligent cytology screening. **Diagn Cytopathol** 2012; 40: 764-769
43. Sood N, Gupta S. Invasive duct carcinoma of the breast with multinucleated osteoclast-like giant cells: a rare case diagnosed on Fine needle aspiration cytology. **The Breast Journal** 2012; 18: 596-597
44. Gupta S, Sodhani P, Sardana S, Singh V, Sehgal A. Clinical determinants and smear characteristics of unsatisfactory conventional cervicovaginal smears. **Eur J Obstet Gynecol Reprod Biol** 2013; 168: 214-217
45. Gupta S, Sodhani P, Singh V, Sehgal A. Role of vault cytology in follow-up of hysterectomized women: Results and inferences from a low resource setting. **Diagn Cytopathol** 2013; 41: 762-766
46. Labani S, Asthana S, Bhambhani S, Sodhani P, Gupta S. Implementation of cervical cancer Screening: A demonstration in a rural community of North India. **Clin Cancer Investig J** 2014; 3: 43-48
47. Parashari A, Singh V, Mittal T, Ahmed S, Grewal H, Gupta S, Sehgal A. Low cost technology for screening early cancerous lesions of oral cavity in rural settings. **Ann Med Health Sci Res** 2014; 4: 146-148
48. S. Labani , S. Asthana , P. Sodhani , S. Gupta , S. Bhambhani , B. Pooja , J. Lim, J. Jeronimo. CareHPV cervical cancer screening demonstration in a rural population of north India. **European Journal of Obstetrics & Gynecology and Reproductive Biology** 2014;176: 75-79
49. Jeronimo J, Bansil P, Lim J, Peck R, BS, Paul P, Amador JJ, Mirembe F, Byamugisha J, Poli UR, Satyanarayana L, Asthana S, and the START-UP Study Group. A multicountry evaluation of careHPV testing, visual inspection with acetic acid, and Papanicolaou testing for the detection of cervical cancer. **Int J Gynecol Cancer** 2014; 24: 576-585
50. Singh V, Parashari A, Gupta S, Sodhani P, Sehgal A. Performance of a low cost magnifying device, magnivisualizer, versus colposcope for detection of pre-cancer and cancerous lesions of uterine cervix. **J Gynecol Oncol** 2014; 25: 282-286
51. Joshi S, Kulkarni V, Darak T, Mahajan U, Srivastava Y, Gupta S, Krishnan S, Mandolkar M, Bharti AC. Cervical cancer screening and treatment of cervical intraepithelial neoplasia in female sex workers using “screen and treat” approach. **International Journal of Women’s Health** 2015;7 477-483

52. Sharma A, Gupta S, Sodhani P, Singh V, Sehgal A, Sardana S, Mehrotra R, Sharma JK. Glutathione S-transferase M1 and T1 Polymorphisms, Cigarette Smoking and HPV Infection in Precancerous and Cancerous Lesions of the Uterine Cervix. **Asian Pac J Cancer Prev**. 2015; 16: 6429-38.
53. Gupta S, Sodhani P, Gupta R. Spindle cell lipoma with predominant nerve sheath like areas. A potential diagnostic pitfall on aspiration cytology. **Diagn Cytopathol** 2015; 43: 1015-17
54. Sharma V, Sonkar SC, Hussain S, Singhal P, Kumar A, Sharma S, Gupta S, Saluja D, Bharadwaj M, Ramachandran VG, Mehrotra R, Khan MA. Impact of oral contraceptives and smoking on the susceptibility of Reproductive tract infections (RTIs) in immunosuppressed women; A hospital based study. **Int J Curr Microbiol App Sci** 2015; 4: 363-374
55. Sodhani P, Gupta S, Gupta R, Mehrotra R. Bacterial Vaginosis and Cervical Intraepithelial Neoplasia: Is there an Association or is Co-Existence Incidental? **Asian Pac J Cancer Prev** 2017; 18 (5): 1289-1292
56. Gupta R, Gupta S, Mehrotra R, Sodhani P. Cervical Cancer Screening in Resource-Constrained Countries: Current Status and Future Directions. **Asian Pac J Cancer Prev** 2017; 18 (6): 1461-1467

National journals

57. Gupta S, Rusia U, Agarwal S, S.K.Sood Effect of sera and cell extracts from patients of acute leukemia on splenic colony counts (CFU-S). **Ind J Med Res** 1991; 91: 294-297
58. Sethi S, Agarwal S, Dev G, Bhatnagar G, Gupta S. Cystic nephroma – An unusual cystic renal lesion. **Ind J Pathol Microbiol** 1992; 35: 255-260
59. Gera N, Bhatia A, Bhatnagar D, Gupta S. Xanthogranulomatous pyelonephritis. **Indian Pediatr.** **1993; 60(3): 463-5.**
60. Gupta S , Bhatia A. Morphologic and immunohistochemical spectrum in anorectal malignancies. **Ind J Med Res** 1994; 99: 173-178
61. Singh UR, Sinha SK, Bhatia A, Gupta S. Cytology as a valuable tool in prognostication of carcinoma breast. **Ind J Cancer** 1996; 31: 187-191
62. Singh UR, Gupta K, Arora VK, Gupta S , Bhatia A. Cytomorphology of some uncommon tumors of childhood and adolescence. **Ind J Pediatr** 1996; 63: 539-547
63. Gupta S, Sharma BK. Immunoexpression of mutant p53 and Human papilloma virus related E6 oncoprotein in anal malignancies. **Ind J Exptl Biol** 1998; 36: 875-878
64. Sinha SK, Singh UR, Bhatia A, Gupta S. Cytomorphologic features, AgNOR counts and C-erb B2 in carcinoma breast. **Ind Med Association** 1998; 96: 71-73

65. Sharma BK, Ray A, Kaur S , Gupta S. Immunohistochemical co-expression of c-erbB2 /Neu oncoprotein altered tumor suppressor p53 protein, EGF-R and EMA in histologic subtypes of infiltrating duct carcinoma of breast. **Ind J Exptl Biol** 1999; 37: 223-226
66. Agarwal S, Gupta S, Sikka M. Diagnostic distinction between unusual malignant tumors of Gall Bladder by Histochemsitry and antigenic phenotypes. **Ind J Pathol Microbiol** 1999; 43: 151-154
67. Sodhani P, Gupta S, Sehgal A, Singh V, Khan IU, Mitra AB. Atypical squamous cells of undetermined significance : Is it worthwhile to qualify them further? **Ind J Cancer** 2003; 40: 23-26
68. Gupta S, Sodhani P, Singh V, Pant JN, Chachra KL, Bhatt NC, Sardana S. Rapid Rescreening of cervical smears by cytopathologists: Experience at a WHO collaborating centre for Research in Cytology. **Ind J Pathol & Microbiol** 2004; 47: 8-10
69. Gupta S, Sodhani P. Why is High Grade Squamous Intraepithelial Neoplasia underdiagnosed in a quarter of cases? Smear characteristics in discrepant cases. **Ind J Cancer** 2004; 41 : 104-108
70. Gupta S, Singhal N, Kumar N, Manektala U, Kaur R, Jain S. Vaginal microflora in post menopausal women on hormone replacement therapy. **Ind J Pathol Microbiol** 2006; 49: 457-461
71. Narain R, Sardana S, Gupta S, Sehgal A. Age at initiation and prevalence of tobacco use among school children in the Noida city, India- A cross- sectional questionnaire based survey. **Indian J Med Res** 2011; 133: 300-307
72. Singhal P, Gupta S. Comparative cytomorphological profile of paediatric and adult lymphadenopathy with emphasis on smear characteristics in tuberculous lymphadenitis. **Ind J Pub Health Res and Dev** 2012; 3: 127-130
73. Gupta S, Sodhani P, Jain S. Cytomorphological profile of neoplastic effusions: an audit of 10 years with emphasis on uncommonly encountered malignancies. **J Cancer Res Therap** 2012; 8: 602-609
74. Narain R, Sardana S, Gupta S, Sehgal A. Risk factors associated with tobacco habits among adolescents: A cross-sectional school-based study from Noida city, India. **The National Med J India**. 2013; 26: 197-202
75. Satyanarayana L, Asthana S, Bhambhani S, Sodhani P, Gupta S. A comparative study of Cervical cancer screening methods in a rural community setting of North India. **Ind J Cancer** 2014; 51: 124-128
76. Hariprasad R, Sodhani P, Gupta S, Mehrotra R. Opportunistic cervical cancer screening of women visitors at a Trade Fair in New Delhi. **IJMR** 2017; 145: 144-146