

CURRICULUM VITAE

Maj General (Dr) Reena Bharadwaj, SM, VSM
MBBS, MD, Trained in Oncopathology (Tata Memorial Hospital, Mumbai)
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Citizenship: Indian

Dr Reena Bharadwaj is a distinguished Medical Professional, academician, researcher, administrator and educator, with over 30 years of stellar experience. She is a specialist in Pathology, and Oncopathology with remarkable knowledge in medical administration in the Armed Forces Medical Services.

She has the unique distinction of spearheading the departments of Pathology at the sui generis Armed Forces Medical College, Pune and the Army Hospital (Research & Referral), Delhi. At these institutions, she has trained and mentored the gen next of Pathologists for two decades. She has been at the forefront in conceptualising research and her penchant for the same possesses a translational zeal for actualising projects from bench to bedside. She has been extremely active in the national professional bodies and is a sought after speaker for guest lectures and keynote addresses.

She did her MBBS in 1983 which was followed by MD in Pathology from Delhi University in 1990. She subsequently underwent Training in Oncopathology at the premier Tata Memorial Hospital from 1996 to 1998 for a period of two years. She has served in various hospital of the Armed Forces and has infact headed the apex tertiary care hospital of the Army, the Army Hospital (Research & Referral), Delhi Cantt & the Prof and HOD of Dept of Pathology at Armed Forces Medical College, Pune.

She was posted in Army Headquarters as ADG(IS, H & PS) and now stands posted as MG Med Central Command

She is a reputed Oncopathologist not only in the Army but is active in the Civil front also.

She is a post graduate Teacher and examiner in MUHS, RGUHS, Bangalore, KLEE Belgaum, Dehra Dun & Delhi University.

She had guided many students in these Universities.

She has been actively involved with NBE curriculum right from paper setter to Convener and Examiner.

Her main areas of interest have been Head and Neck, Breast and Gynae Path along with Cytology. She is the current President of Indian Academy of Cytology.

She has been at the helm of health policy formulation, implementation and monitoring of health of the Indian Army. She gave a perceptible impetus to the institution and functioning of health information systems through all the echelons of hospitals and medical establishments of the Indian Army. She was instrumental in streamlining and aligning the issue of disability pension for the veterans.

She has been the overall head of medical services at Command headquarters where she oversaw the functioning of more than forty hospitals across seven states. Her indomitable contribution was the envisioning the strategy, aligning the resources and implementing policies in COVID 19 pandemic.

After 38 years of distinguished service in the Indian Army, she was awarded the GOC in C (WC) Commendation Card o& Chief of Army Staff Commendation Card along with the Vishisht Seva Medal and the Sena Medal from the Hon'ble President of India

She worked in Indraprastha Apollo Hospital, New Delhi for two years where she was the Director of Lab Services. Currently she is employed as Professor and Head of Dept Pathology at Bharati Vidyapeeth Medical College and Hospital Research Centre, Pune since Jan 2023.

Her hobbies include running the marathon, yoga cooking & gyming.

ACADEMIC AND PROFESSIONAL CREDENTIALS

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|---|--------------------|
| 1. MBBS | 1979 – 1983 |
| Armed Forces Medical College, University of Pune | |
| 2. MD (Pathology) | 1988 - 1990 |
| Army Hospital, Delhi Cantt, Delhi University | |
| 3. Two Years Full Time Training in Oncopathology | 1996 – 1998 |
| Tata Memorial Hospital , Dr Ernest Borges Road, Parel, Mumbai, Maharashtra 400012 | |

COMPUTER PROFICIENCY

- **Applications:** Office- Word, PPT, Excel, (MS as well as Mac OS).
- **Software** : SPSS

MEMBERSHIP / FELLOWSHIP : PROFESSIONAL ORGANIZATIONS

- Indian Association on Pathologists & Microbiologists
- Indian Academy of Cytology
- Indian Society of Hospital Waste Management
- Delhi Society of Haematology
- Delhi Society of Cytology
- Member, Board of Study, Medical Council of India for curriculum designing of undergraduate and Post graduate Courses in Pathology
- NABL Accreditation Course
- MCI Inspection panel.
- National Board of Education panel as an Examiner. Accreditation & Assessor.

EDITOR / REVIEWER ROLE: MEDICAL JOURNALS

- **Editor of Newsletter of Indian Academy of Cytologists**
- Member, National Advisory Board, Medical Journal of Armed Forces of India
- Referee & peer review in Medical Journal of Armed Forces of India and J of Cytology

AWARDS / ACCOLADES / HONOURS

Service Awards

- **Sena Medal By Hon'ble President of India – 2020.**

- **Vishisht Sewa Medal By Hon'ble President of India – 2011**
- COAS Commendation – 2015
- Army Commander Commendation (Western Command) -2010
- Samanya Seva Medal 1965
- 50th Independence Anniversary Medal
- 09 Years Service Medal
- 20 Years Service Medal
- 30 Years long Service Medal

Research & Professional Awards.

- The Chief of Naval Staff Award for the best article published in the field of Medicine and Allied Specialities, including Marine Medicine and Aviation Medicine, titled "Neuro-psychiatric Manifestations of Cerebral Malaria", authored by Lt Col S Chaudhary, Lt Col P Bharadwaj and Lt Col R Bharadwaj
- Dr Ernest Fernandes Award for outstanding contributions in the field of cytology by the Indian Academy of Cytology.

PROFESSIONAL EXPERIENCE / CAREER PROGRESSION

1. Maj Gen Medical, Central Command, Lucknow 26 Nov 2019 onwards

- Head and in-charge of all Army Medical Services under the Command, including military hospitals with super spl as well as basic specialities, field medical units, health units and dental centres with spl services
- Supervision, Guidance, Oversight of all army Medical and Dental units under Command
- Activities: Medical Administrative; HR; procurement process
- Newer Initiatives
- Comprehensive medical cover with improved tele-medicine at field firing area; planned improvement of Command Hospital, Lucknow – a super spl hosp (Works, equipment, HR), Military Hospital Meerut and Military Hospital Agra
- Energization of preventive and promotive services in entire command

2. Additional Director General Medical Services (Health, Information Systems & Professional Services)), Office of the Director General Medical Services (Army) 01 Jul 2018– 28 Nov 2019

- Head and in-charge of all Health Policy in respect to all establishments under the Director General Medical Services (Army)
- Procurement, implementation and monitoring of Health Information Systems throughout the Indian Army
- Watchdog of the performance and modernisation of Professional services of the Indian Army
- Responsible for all hygiene, sanitation, preventative, promotive and rehabilitative services of the station and implementation of all national health programmes.

- Associated as a Core Member of all health related committees catering to the entire Army and advisor on Malaria, HIV/AIDS, TB and UIP.
- Responsible for all health, hygiene, sanitation, IEC, preventive, promotive, rehabilitative activities in the Defence Force.
- Responsible for planning, implementation, monitoring and evaluation of all National Health programmes for the Defence Forces
- Involved in International Health
- Professor, Army Hospital (Research& Referral), National Board of Examinations National UIP and taught Medical Officers, Nurses, Para medical professionals

Achievements:

- Formulation of policy guidelines and releasing the Manual of Health Standards for the Army
- Formulation of Recruiting Standards for the Indian Army
- Revision of Army Orders related to Health of the Indian Army
- Revision of “Regulations of Medical Services for the Armed Forces”

3. Professor & Head of Pathology, Armed Forces Medical College, Pune.

24 Dec 2015 – 30 Jun 2018

- **President; Pune chapter of Indian association of Pathologist and Microbiologist (2016-2018).**
- Inspector; Medical council of India.
- Inspector; National Board of Education.
- Member; Board of study, Medical Council of India for curriculum designing for Undergraduate and Post graduate courses in Pathology.
- Member National Editorial advisory board – Medical Journal of Armed Forces India
- Teaching and Research in Pathology
- Officer in charge of Procurement for medical stores
- Successfully modernized the Dept of Pathology with new equipment, IT hardware & software and provision of all essential reagents.
- President of ‘Armed Forces Medical College Alumni Association’-AAA- Coordinating all activities of the Alumni
- In charge of Safety of Women at workplace
- Initiated the process of NABL Accreditation in the Dept of Pathology and awaiting Pre-Inspection.
- Establishment of Fluorescence–in–situ hybridization, RT- PCR & Karyotyping as a diagnostic modality.
- Awarded Fellowship of Indian College of Pathologists on 08 Dec 2017 at APCON 2017 at Bhopal.
- Editor Newsletter for Indian Academy of Cytologists (IAC)- brought out two issues in Mar and Sept 2018

Achievements:

- Revision of the Curriculum of the UG & PG
- Conducted the Annual Conference of “MAPCON” in Armed Forces Medical College, Pune

- Streamlined the process of Procurement of medical stores at the Armed Forces Medical College
- Improved Teaching-Learning process at the Armed Forces Medical College

4. Dy DG AFMS (P) & Professor Army Hospital (Research & Referral), New Delhi

01 Sep 2013 – 23 Dec 2015

- Teaching and Research in Army Hospital (Research & Referral), New Delhi
- Streamlining & rationalising the process of award of Disability pensions

Achievements:

- Revision of the Guide to Medical Officers

5. Professor & Head of Pathology, Consultant Oncopathology, Army Hospital (Research & Referral), New Delhi.

01 Jun 2009 – 31 Aug 2013

- Teaching and Research in Pathology
- **Deputy Dean Academics**-Coordinated the PG & Super-speciality DNB training
- Adviser to the Armed Forces Medical Services on the Training in Pathology, Standardisation Procurement of Laboratory Equipment and Training Standards for Laboratory Personnel.

Achievements:

- Streamlining Research processes; multi-centric projects; enhanced funding from DRDO; collaboration with other National institutions; Ethical guidelines and IEC registration

6. Senior Advisor(Pathology),Command Hospital (Southern Command) & Professor, Armed Forces Medical College, Pune

14 May 2007 – 31 May 2009

- Dept of Pathology , Armed Forces Medical College, Pune
- Faculty in-charge of UG teaching and -Oncopathology teaching to all
- Teaching General & Systemic Pathology to Post-Graduates doing Pathology, Under Graduates and Nursing Under Graduates
- Teaching Research Methodology to all Post-Graduates
- Master Trainer in Surgical Oncopathology for Maharashtra University of Health Sciences, Nashik, for all disciplines i.e. Medical, Nursing, Paramedical staff and Undergraduates of Armed Forces Medical College, Pune.
- Chief Faculty, Professor and Head of Dept held at AFMC, Pune
- **Upgradation of Laboratory Information System in interdepartmental sections**

7. Reader & Associate Professor, Armed Forces Medical College, Pune

June 2002- May 2007

- Teaching and Research in Pathology
- Adviser to the Armed Forces Medical Services on the Training in Pathology, Standardisation Procurement of Laboratory Equipment and Training Standards for Laboratory Personnel.

Achievements:

- Executed Pathology related studies at Army Forces Medical College, Pune.

- Taught Pathology and Cytology to PG trainees at Army Forces Medical College, Pune.

7. Assoc Professor Dept of Pathology, Army Hospital (Research & Referral), New Delhi. Dec 1998– June 2002

- Teaching and Research in Pathology
- Deputy Dean Academics-Coordinated the PG & Super-speciality DNB training
- Adviser to the Armed Forces Medical Services on the Training in Pathology, Standardisation Procurement of Laboratory Equipment and Training Standards for Laboratory Personnel.

Achievements:

- Executed Cancer related studies at Army Hospital, Research & Referral and taught Pathology and Cytology to PG trainees at Army Hospital (R & R).

8. Post Doctoral Fellow Surgical Oncopathology & Cytology

Dec 1996 –Dec 1998

- **Tata Memorial Hospital, Mumbai**
- Training & Teaching oncopathology to junior residents
- Executed Cancer related studies at TMH, Mumbai

9. Graded Spl Pathology- Military Hospital Meerut 1995

Aug 1992 – Dec 1995

- Offr in-charge, planning, implementation, monitoring and evaluation all pathology services and programs, and trained MOs, Interns, Nurses and Paramedics.
- Responsible for all health, sanitation, hygiene, preventive, promotive and rehabilitative activities in the station.

Achievements

- Significantly contributed in planning and implementing "Centre for Differently Abled" with provision of basic services on site and tied up with local hospital for specialized services on priority.
- Investigated, controlled and advised for future prevention of water borne diseases outbreak in the station, commended by GOC-in C for this act.

10. Graded Specialist Pathology-151 Base Hospital Guwahati

Nov 1991 – Aug 1992

- Trained and mentored & Interns, Nursing Staffs and Para Medicals
- Planned and implemented all pathology services in the Guwahati cantonment.
- Conducted histopathological examination in hospital and conducted post mortems.

11. Resident MD (Pathology)-Army Hospital Delhi Cantt, New Delhi

1988 – Oct 1990

- Taught Under Graduates (MBBS) Interns, Para Medicals and imparted training in pathology
- Taught Under Graduates (MBBS) Interns, Para Medicals and imparted

training in cytology

12. Medical Officer-Military Hospital (Meerut) Dec 1984 – Mar 1988

- Functioned as a Medical Officer in Family Ward
- Functioned as a Medical Officer in Family OPD

13. Internee Medical Officer - Military Hospital(Kirkee) Dec 1983 – Dec 1984

RESEARCH & PUBLICATIONS

PUBLICATIONS IN JOURNALS INCLUDED IN MEDICAL DATABASES, MEDICAL LITERATURE ANALYSIS AND RETRIEVAL SYSTEM - TOTAL 34

1. S Krishnamurthy, **R Bharadwaj** titled “Fine needle aspiration cytology of clear cell sarcoma of the kidney : A case report” : Acta cytological 42 (6) : 1444-6 Nov 1997.
2. Jambhekar NA, Saxena R, Krishnamurthy S, Bharadwaj R, Sheth A :“Fine needle aspiration cytology of liver:An analysis of 530 cases” J Cyto .1999; 16 : 27-35.
3. S.P.Rai, Ravi Kumar, **R Bharadwaj**, B.N.Panda titled “Solitary Tracheal Plasmacytoma”. Indian J Chest Dis Allied Sci 2003; 45: 269-272.
4. Satyanarayana S, Pathak SD, Saraswat V, Sarma YS, **Bharadwaj R**, Goorha YK, titled “Tracheal Lymphoepithelioma like carcinoma” Indian J of Cancer, 2003; 38:112-11.
5. SP Rai, **Bharadwaj R**, Ganguly D, Panda P, titled “ Mediastinal Cavernous Hemangioma-A case report”, The Indian Journal of Chest Diseases and Allied Sciences; 2004: 158: 217-219.
6. Rai SP, Panda BN, Ganguly D, **Bharadwaj R**. titled “ Pulmonary Hydatid: Diagnosis & response to hypertonic saline irrigation and albendazole”. Medical Journal Armed Forces India, 2005: 61: 9-12.
7. **Bharadwaj R**, Nema SK, Pujahari AK, Patkar N, titled “Parathyroid adenoma with ectopic intrathymic parathyroid” The Indian Journal of Pathol & Microbiol, 2005: 48(1): 37-39..
8. B Fanthome, **Reena Bharadwaj**, KM Suryanarayana “Parathyroid Neoplasms: The Army Hospital (Research & Referral) Experience”. The Medical Journal Armed Forces India, 2006: 62: 312-315.
9. R Lakhtakia, **R Bharadwaj**, VK Kumar, P Mandal, SK Nema “Immunophenotypic Characterization of Benign and Malignant Prostatic Lesions” MJAFI 2007: 63: 243-248.
10. SS Gill, **R Bharadwaj** “Cytomorphologic findings of hemangiopericytoma of the meninges: A case report”. Indian Journal of Pathology and Microbiology 50 (2) : 422-5 : May 2007.
11. **Bharadwaj R**, Pradhu Desai S, Patkar N., Badhwar R, Jambhekar NA. “Polyphenotypic Peripheral neuroepithelioma occurring in the foot: A case report”, Indian J of Pathol and Microbiol Jan 2007 50 (1):29-32.
12. A Alam, MN Sree Ram, K Manrai, **R Bharadwaj** “Tumoral Calcinosis” MJAFI 2007: 63: 180-181.
13. MM Swamy, **R Bharadwaj**, Vimal Arora “Erupting complex odontoma – A rare presentation”. Journal of Dentistry Defence Section 2008: 3.2, 80-82.

14. RA George, J Debnath, SS Kumar, D Banerjee, **R Bharadwaj**, L Satija "Pancreatic Metastases from Renal Cell carcinoma presenting as intestinal obstruction". MJAFI 2010: 66: 275-277.
15. Pramod Nath, S Bhattacharya, **Reena Bharadwaj** "ALK-Positive large B Cell Lymphoma- Unusual subtype of diffuse large B Cell Lymphoma (DLBCL)": Lymphoma and Chronic Lymphocytic Leukemias 2010 :2 1-5.
16. AK Shah, S Venkatesan, R Katoch, SS Jaiswal, RPS Gambhir, **Reena Bharadwaj** "Epithelial-Myoepithelial carcinoma Ex pleomorphic adenoma in breast : An Exotic Rarity ".The Medical Journal Armed Forces India, 2011: 67: 74-76.
17. Pramod Nath, S Bhattacharya, **Reena Bharadwaj**, T Chatterjee "Immunoproliferative small intestinal disease- a rare extranodal marginal zone lymphoma of mucosa associated lymphoid tissue in the indian subcontinent ". The Medical Journal Armed Forces India,2011: 67: 277-279.
18. Pramod Nath, Shilajit Bhattacharya, **Reena Bharadwaj** "Unusual autopsy finding in a case of metastatic teratocarcinoma". Cardiovascular Pathology Nov –Dec 2011 Vol 20, Issue 6, Pg 384-385.
19. Abhay Gundgurthi, M.K.Garg, **Reena Bharadwaj**, Karninder S. Brar, Sandeep Kharb, Aditi Pandit "Clinical spectrum of hypopituitarism in India : A single center experience". Indian Journal of Endocrinology and Metabolism Sep Oct 2012: Vol 16 Issue 5:803- 808
20. A Gundgurthi, S Gupta, MK Garg, P Ganguly, **R Bharadwaj** "Unsuspected pheochromocytoma Multisystem crisis: A Fatal outcome in a young male patient".JAPI August 2012: Vol 60 : 53-56.
21. Jyotindu Debnath, RA George, Lovleen Satija, **Reena Bharadwaj**, Sanjay Piplani, Somasundaram Venkatesan "Pulmonary metastases: a rare cause for pulmonary artery invasion and in situ pulmonary artery thrombosis – demonstration with multidetector computed tomography". MJAFI 2012: 68: 65-67.
22. Vipin Kumar, Rajesh Godara, **Reena Bharadwaj** "Gastric teratoma – unusual cause of neonatal obstructive jaundice-A Case report". Indian J Surg (June 2013) Vol 75 (Suppl-1): S421-S424.
23. Sandeep Kharb, Aditi Pandit, Abhay Gundgurthi, M.K. Garg, K.S.Brar, N.Kannan, **Reena Bharadwaj** "Hidden diagnosis of multiple endocrine neoplasia-1 unraveled during workup of virilisation caused by adrenocortical carcinoma". Indian Journal of Endocrinology and Metabolism May-Jun 2013: Vol 17 Issue 3: 514-518.
24. Abhay Gundgurthi, M.K.Garg, **Reena Bharadwaj**, Sandeep Kharb, Aditi Pandit, Karninder S. Brar, Ravi Kumar, A.G.Pandit "Spinal polyostotic fibrous dysplasia in two adults : Does only biopsy unravel the mystery". Indian Journal of Endocrinology and Metabolism Nov-Dec 2013: Vol 17 Issue 6: 1108-1113.
25. M .K. Garg, **Reena Bharadwaj**, H.C.Pathak, Sandeep Kharb, Abhay Gundgurthi, Aditi Pandit, K.S.Brar "Pituitary oncocytoma presenting as Cushing's disease". Indian Journal of Endocrinology and Metabolism Jul-Aug 2013: Vol 17 Issue 4: 759-762.
26. Inam Danish Khan, Ajay Kumar Sahni, **Reena Bharadwaj**, Mahim Lall, A.K.Jindal, V.K.Sashindran "Emerging organisms in a tertiary healthcare set up". MJAFI 70 (2014) 120-128.
27. Tathagat Chatterjee, Devika Gupta, **Reena Bharadwaj**, Renu Madan titled "Burkitt's Lymphoma Revisited: Series of Three Cases with Varied Clinical

Presentation". Indian Journal Haematol Blood Transfusion - Sept 2014: 30 (Suppl 1): S215-S218.

28. Satish Nair, W.V.B.S. Ramalingam, **Reena Bharadwaj**, Sharad Mohan "Angiomyxolipoma : Unusual swelling of oral cavity". MJAFI 71(2015) S169-S171.
29. Khushboo Dewan, Renu Madan, Prasanta Sengupta, **Reena Bharadwaj** "Analysis of epithelial-cadherin and human epidermal growth factor receptor 2/ expression in gastric carcinoma using immunohistochemistry". IJPM – 58 (2) Apr-Jun 2015.
30. D. Vashisht, C.G.Muralidharan, R.Sivasubramanian, D.K. Gupta, **Reena Bharadwaj**, P. Sengupta "Histiocytosis" MJAFI 71 (2015)197-200.
31. Satish Nair, W.V.B.S. Ramalingam, **Reena Bharadwaj**, A.V. Ramesh, Akshat Malik "Benign fibrous histiocytoma of the ethmoids in an infant". MJAFI 71 (2015) S217-S220.
32. **Reena Bharadwaj**, Khushboo Dewan, Navdeep Mann "Genetic analysis of EGFR mutations in non-small cell lung carcinoma: A tertiary care centre experience". Journal of Medical Society 2016: Vol 30 issue 1: 44 – 49.
33. S.C.Karan, Amit kumar Shah, Anand Srivastava, **Reena Bharadwaj** "Primary amyloidosis of urinary bladder : Mimicking transitional cell carcinoma bladder". MJAFI 72 (2016) 91-93.
34. Outbreak of Pneumocystis Jiroveci pneumonia in renal transplant recipients on prophylaxis. MJAFI, 32(3); 333:336: 2014.
35. A study of the role of p16 in the classification and predictivity of squamous cell carcinoma of the head and neck . Dr S Thongam, Dr Reena Bharadwaj
36. Graft versus Host Disorder And other Dermatological Manifestations in Patients of Allogenic Haematopoietic Stem Cell Transplantation : A study in an Indian Population . Indian Journal of Dermatology .

PAPERS IN PROCEEDINGS OF RECOGNISED NATIONAL AND INTERNATIONAL ASSOCIATIONS - TOTAL 37

1. Presented " Medullomyoblastoma –a case report" in the Slide Seminar in the Annual State Chapter Maharashtra Association of Pathologists Conference, held at Mumbai from 11-12 Sept 04.
2. Presented "Cytitis cystica & glandularis –a case report" in the Slide Seminar in the Annual State Chapter Maharashtra Association of Pathologists Conference, held at Mumbai from 11-12 Sept 04.
3. Presented "Stromal Sarcoma in male breast", in the Slide Seminar in the Pre-conference CME on Breast Pathology during the 53 rd Annual Conference of the Indian Association of Pathologists & Microbiologists, held from 20-26 Nov 04, at the Armed Forces Medical College, Pune.
4. Participated as a panelist in the Pre conference CME on Breast Pathology during the 53 rd Annual Conference of the Indian Association of Pathologists & Microbiologists, held from 20-26 Nov 04, at the Armed Forces Medical College, Pune.
5. Participated in Panel Discussion on: "Recent Trends in Breast Carcinoma", in the National Oncology Update-2005, held at Army Hospital Research & Referral, Delhi Cantt on 15-17 Apr 05.

6. Attended the National CME & Workshop on Molecular Era in Laboratory Medicine, Army Hospital, Research & Referral, Delhi Cantt from 21-23 Jan 05.
7. Participated in Panel Discussion on : “ Goal Mole, in “CME in Oncological Gynaecology” held at CH(SC), Pune, on 05 Jan 05.
8. **Bharadwaj R**, Nema SK, Pujahari AK, Patkar N, titled “Parathyroid adenoma with ectopic intrathyroidic parathyroid. Mid year teaching programme of the International Academy of Pathology-Indian Division, on, “Problem solving approach to Gynaecologic Pathology”, held at TNMC and BYL Nair Ch Hospital, Mumbai from 24-25 April 04.
9. **Bharadwaj R**, Nema SK, Muttgikar MP, “Spectrum of lung cancer in Pleural fluid cytology”, to be presented at the Annual, during the 34th Annual Conference of the Indian Association of Cytologists, being held at Bhopal from 16-19 Dec 04.
10. Patkar N, Satyanarayana S, Nakra R, **Bharadwaj R**, titled Cytomorphologic correlation of sarcomas”, to be presented at the Annual, during the 34th Annual Conference of the Indian Association of Cytologists, being held at Bhopal from 16-19 Dec 04.
11. **Bharadwaj R**, presented a case of Placental site trophoblastic tumour, in MAPCON 2005
12. **Bharadwaj R**, Vohra LS, Gill SS, titled “ Cytomorphologic findings of epithelioid sarcoma”, presented in Cytocon 2005, at Jamnagar from 18-22 Dec 05.
13. **Bharadwaj R**, Nema SK, Patkar N, titled “ Role of angiogenesis in Carcinoma Breast”, presented in Apcon 2005, at Indore from 28 Nov—04 Dec 05.
14. **Bharadwaj R**, titled “ Role of FNAC in Intra-abdominal lesions”, Guest Lecture presented in Apcon 2005, at Indore from 28 Nov—04 Dec 05.
15. Sinha A, Gill SS, **Bharadwaj R**, Mehta A, titled “Usefulness of cytological grading in aspirates of carcinoma breast”, presented in MAPCON 2007, held from 4th Oct -7th Oct 2007.
16. Venkatesan S, Chawla N, **Bharadwaj R**, titled “Pathology of five cases of thymomas”, presented in MAPCON 2007, held from 4th Oct -7th Oct 2007.
17. Agarwal M, Gill SS, **Bharadwaj R**, Mehta A, titled “An unusual congenital malformation with neonatal demise, presented in MAPCON 2007, held from 4th Oct -7th Oct 2007.
18. **Col Bharadwaj Reena**, Col Rai SP, Cytomorphology of Pleural Mesothelioma CYTOCON 2008 – 38th Annual Conference of Indian Academy of Cytologists from 13th to 16th Nov 2008. at BJ Medical College Ahmedabad.
19. **Col Bharadwaj Reena**, Patil Sunita – Microfilaria in the needle aspiration cytology- A chance finding or the real cause AFMC, Pune, 24 Oct 2008
20. Epithelial Ovarian malignancies “Pathologist’s Perspective” in CME & CNE Program, Indian Association of Surgical Oncology and Delhi Oncology Group at Army Hospital (R&R) Delhi Cantt – 27 Jan 2008
21. The role of molecular studies in diagnosis of lymphomas in National Oncology Update – 2008. Annual Meeting of Armed Forces Oncology Group Workshop on Minimally Invasive surgery in Oncology at Army Hospital (R&R), New Delhi on 03-05 Oct 2008
22. **Bharadwaj Reena**. Latency patterns of the Epstein Barr virus and its associations with human cancers. 57th Armed Forces Medical Conference, 03-06 Feb 2009.
23. Lall M, **Bharadwaj R**. Surveillance study of changing trends in antibiotic sensitivity profiles over a six year period at a tertiary care centre. XXXII National conference of Indian Association of Medical Microbiologists 21-25 Oct 2008 (Abstract)

24. Lall M, **Bharadwaj R**, Bhandari PS. High antibiotic resistance haunting our burns centre: Infection control and our experience. Xth National conference of Hospital Infection Society India. 22-25 Jan 2009. (Abstract).
25. 3. Cases presented in Slide Seminar on Thyroid :
 - (i) Diagnosis : NHL Thyroid
 - (ii) Diagnosis : Metastatic Adenocarcinoma lung to thyroid
 CYTOCON 2008 – 38th Annual Conference of Indian Academy of Cytologists from 13th to 16th Nov 2008. at BJ Medical College Ahmedabad.
26. Pathology of squamous cell carcinoma. - Post graduate teaching & cadaveric dissection workshop in head-neck surgery. 16-18 Jan 2009 at AFMC, Pune
27. Cytology of the kidney-Through the looking glass. Indore Chapter of Pathology, 07 Feb 2015
28. Disability Pensions-At the Cross Roads-54th Armed Force Medical Research Conference, Pune-05 Feb 2015
29. Cytology of thyroid lesions-Maulana Azad Medical College, Delhi Chapter of Cytology.29 Jan 2015
30. Cytology of Renal Neoplasms-Guest Lecture at Karnataka Chapter of IAC on 29 Jan 2016.
31. Chaired Panel Discussion-Pathology of Lung Cancer : RGCON – 2009, 8TH International Conference, from 27th to 29th Mar 2009.
32. **Bharadwaj R**, Nema SK, Duggal R, poster presented in the Annual Conference on Indian Association of Pathologists and Microbiologists, APCON-2004, at AFMC Pune from 20-26 Nov04, titled “Oncocytomas of the Parotid gland”.
33. Duggal R, Vohra LS, Nema SK, **Bharadwaj R**, poster presented in the Annual Conference on Indian Association of Pathologists and Microbiologists, APCON-2004, at AFMC Pune from 20-26 Nov04, titled “ Rare variants of Transitional Cell Carcinoma”.
34. Venkatesan S, Nema SK, Vohra LS, **Bharadwaj R**, poster presented in the Annual Conference on Indian Association of Pathologists and Microbiologists, APCON-2004, at AFMC Pune from 20-26 Nov04, titled “ Stromal Sarcomas of the male breast”.
35. **Bharadwaj R**, Reddy PS, Saxena I, presented at the Scientific Session of selected papers during the proceedings of the AFMRC 2004, “Detection of micro-metastasis in axillary lymph node negative cases of breast carcinoma using immuno-histochemical markers”.
36. Surveillance study of changing trends in antibiotic sensitivity profiles over a six year period at a tertiary care centre. XXXII National conference of Indian Association of Medical Microbiologists 21-25 Oct 2008
37. Lall M, **Bharadwaj R**, Bhandari PS. High antibiotic resistance haunting our burns centre: Infection control and our experience. Xth National conference of Hospital Infection Society India. 22-25 Jan 2009. (Abstract).

PUBLISHED CHAPTERS IN BOOKS /MONOGRAPHS : 04

1. Authored five chapters in the **Revised textbook of Boyd's** pathology on Cervix, Vulva, Vagina, Endometrium, Ovary, Liver and Gall Bladder.

2. "Gene Therapy" in Souvenir published in National Oncology Update-2005, held at Army Hospital Research & Referral, Delhi Cantt on 15-17 Apr 05.
3. "Tumor Immunology" in Souvenir published in National Oncology Update-2005, held at Army Hospital Research & Referral, Delhi Cantt in Apr
4. "Genes & Oncology" in booklet published on proceedings of National Oncology Update-2005 at Army Hospital, Research & Referral, Delhi Cantt, from July06

RESEARCH PROJECTS

AFMRC PROJECTS : 08 (DRDO/ARMED FORCES FUNDING)

1. Principal worker in AFMRC Project - Latency Patterns of the Epstein Barr virus and its association with human cancers
2. Principal worker in AFMRC Project Genetic Basis and Biological Mechanisms of Malignant Astrocytomas.
3. Principal worker in AFMRC Project No Genetic Analysis of the EGFR gene mutations and polymorphisms within exons 18, 19 and 21 with flanking intronic sequences in non small cell lung carcinoma.
4. Principal worker in AFMRC Project No -Distribution of Topoisomerase II alpha (Top 2A) Gene Aberrations (Amplifications and Deletions) in relation to Her 2 Neu(C-erb B2) Oncogene status as determined by chromogenic in situ hybridization (CISH) in Breast Carcinoma Cases.
5. Principal worker in AFMRC project to detect IDH mutations in gliomas by DNA sequencing:
6. Co- worker in AFMRC Project -A comparative morphologic and immunophenotypic study of non-neoplastic & prostatic hyperplasia, prostatic intra-epithelial neoplasia (PIN) and adenocarcinoma prostate
7. Co-worker in AFMRC Project- Value of Predictive markers and electron microscopy in oral pre malignant lesions.
8. Co-worker in role of immunomarkers to predict the aggressiveness metastatic potential and chemoresistance of gastrointestinal malignancies: .

PG RESEARCH: 06

1. Comparison of Different Histological Patterns Amongst Microsatellite Instability-High Cases and Microsatellite Stable Cases of Colorectal Cancers : Maj KV Vinu Balram Guide : **Brig Reena Bharadwaj, VSM**
2. A study of tumor associated macrophages density in breast carcinoma :Dr.Imtiaz Ahmed, Guide : **Brig Reena Bharadwaj, VSM**

3. To subtype non-small cell lung cancer (NSCLC) as per new LASLC/ATS/ETS/guidelines by using three immunohistochemistry markers p63, TTF-1 and Napsin A : Maj Shweta Singh Rathore, Guide : **Brig Reena Bharadwaj, VSM**
4. Distribution of p16 in Head and Neck Squamous cell carcinoma :Capt Zamarak Noori Guide : **Brig Reena Bharadwaj, VSM**
5. Clinicopathological and Immunohistochemical study (ER, PR, HER2/NEU) in Epithelial ovarian tumor : Maj Vaibhav Srivastava Guide : **Brig Reena Bharadwaj, VSM**
6. Assessment of Osteopontin expression in cases of acute myeloid leukemia : Lt Lida Faizi Guide : **Brig Reena Bharadwaj, VSM**

UG RESEARCH :

1. Hematological changes in HIV Positive patients :Med Cdt Vasu Bansal Guide : **Brig Reena Bharadwaj, VSM**

ORGANIZATIONAL ABILITY / PROMOTION OF MED EDN, CME / EXCELLENCE IN QUALITY OF MEDICAL SERVICES

Guest Lectures: Total Delivered-14

1. Cases presented in Slide Seminar on Thyroid
 - (i) Diagnosis : NHL Thyroid
 - (ii) Diagnosis : Metastatic Adenocarcinoma lung to thyroid
2. CYTOCON 2008 – 38th Annual Conference of Indian Academy of Cytologists from 13th to 16th Nov 2008. at BJ Medical College Ahmedabad.
3. Pathology of squamous cell carcinoma. - Post graduate teaching & cadaveric dissection workshop in head-neck surgery. 16-18 Jan 2009 at AFMC, Pune
4. Cytology of the kidney-Through the looking glass. Indore Chapter of Pathology, 07 Feb 2015
5. Disability Pensions-At the Cross Roads-54th Armed Force Medical Research Conference, Pune-05 Feb 2015
6. Cytology of thyroid lesions-Maulana Azad Medical College, Delhi Chapter of Cytology.29 Jan 2015
7. Cytology of Renal Neoplasms-Guest Lecture at Karnataka Chapter of IAC on 29 Jan 2016.
8. Lecture on Pathology of Premalignant & Malignant Lesions of the oral cavity in ENT Conference at AFMC Pune
9. Pathology of Lung Cancer : RGCON – 2009, 8TH International Conference, from 27th to 29th Mar 2009.
10. Delivered Guest Lecture on “Pathology of pre-malignant and malignant lesions of oral cavity”, during ENT conference at AFMC, Pune on 20Apr 2017.
11. Conducted a CPC at Command Hospital Central Command Lucknow on a case of Sclerosing Mediastinitis in 09Jul 2017(During Annual Leave).
12. Delivered Guest lecture at MAPCON“ The Bethesda system of reporting Thyroid Neoplasms”, in Sholapur on 08-10Sep 2017 and did Case presentations on “Slide Seminar” along with chairing of two sessions.
13. Conducted a Pre Conference workshop on “Cytology of Lymphoid Lesions-Neoplastic and Non Neoplastic“ in CYTOCON at Shillong on 10Nov 2017.
14. Presented a paper on “Role of Cytology in detection of Infections in Immunosuppressed individuals”, in 52 nd World Congress ICMM on 23 Nov at New Delhi
15. 16.Delivered Guest lecture on “Small Biopsy Interpretation in Lung-A Paradigm shift ”, and presented cases in “Endocrine Symposium” at APCON 2017 on 08-09 Dec at Bhopal