

**DR. SUMANA B S**

Consultant - Lab Medicine (Histopathology)

**Qualification**

MBBS | MD (Pathology)

## Overview

Dr. Sumana B S is an accomplished pathologist with a distinguished career spanning diagnostic, academic and administrative domains. Bringing over 22 years of clinical and academic expertise, Dr. Sumana is currently practising as a Consultant - Histopathology at Manipal Hospitals, Old Airport Road, Bangalore. She is Professor & Academic Head of Pathology.  She specialises in oncopathology,  cardiothoracic pathology, vascular pathology,  heart & lung transplant pathology and molecular pathology.  Recognised for her clinical excellence, robust research contributions and commitment to academic mentoring, she ensures the highest standards in diagnostic pathology and quality assurance, making her a trusted authority in her field. Dr. Sumana completed her MBBS in Government Medical College, Bellary and earned her MD in Pathology from Mysore Medical College. Her professional journey commenced as a lecturer in Oncopathology at the Regional Cancer Centre, Thiruvananthapuram, Kerala.  She continued her career in Oncopathology at Kidwai Memorial Institute of Oncology and Vydehi Institute of Oncology. She is trained in molecular pathology at the Genetic Research Centre, ICMR-NIRRCH, Mumbai. Having served

as a Professor of Pathology at two leading medical institutions, Dr Sumana has made substantial contributions to medical education, postgraduate training and the advancement of diagnostic standards. As Laboratory director at one of these institutions, she was instrumental in enhancing diagnostic operations, implementing cutting-edge diagnostic tests, and rigorous standardisation of pre-analytical and analytical processes, thereby strengthening diagnostic accuracy and reproducibility. Her contributions extend beyond clinical practice, encompassing research and education. She has served as Program Officer for the Youth Red Cross Unit, promoting student participation in public health initiatives. She has led impactful breast cancer awareness programs aimed at promoting early detection and community education.  She has served on the Scientific Review Committee, evaluating research proposals for scientific merit and biostatistical rigour.  Dr Sumana’s commitment to scholarship is further reflected in her ongoing work as a peer reviewer for several national and international scientific journals, contributing to the integrity of biomedical literature. A key highlight of Dr Sumana’s research contribution is the study on Galectin-3 expression in thyroid neoplasms, which has received international recognition. This study has been cited in the scholarly book “ Galectins in Cancer and Translational Medicine” edited by Prof. Armando Bartolazzi, and is also referenced in the Mayo Clinic Laboratories Test Catalogue, underscoring its clinical and translational impact. Dr Sumana has been actively supporting and guiding postgraduate career development and academic advancement. She has written recommendations via the Association of American Medical Colleges (AAMC) for residency placements, with students successfully securing positions in U. S. medical schools.  Dr Sumana remains committed to advancing pathology through diagnostic excellence and the mentorship of future leaders in the field.

**Fellowship & Membership**

- Indian Academy of Cytologists.
- Indian Association of Pathologists and Microbiologists, Karnataka chapter.
- The Academy of Pathology Training, Karnataka.
- Neuropathology Society of India.
- Indian Medical Association.

### Field of Expertise

- Oncopathology.
- Cardiothoracic & Vascular Pathology.
- Lung & Heart Transplant Pathology.
- Breast & Endocrine Pathology.

### Languages Spoken

- English
- Kannada
- Hindi

### Awards & Achievements

- Establishment of Cardiovascular Pathology, including Cardiac transplant pathology, at Manipal Hospital, Bangalore
- Selected for the hands-on training course "Omics in Biomedical Research and Clinical Practice", held at the Genetic Research Centre, ICMR-NIRRCH, Mumbai.
- Postgraduate M.D. guide and examiner.
- Postgraduate M.D. Synopsis Review & thesis evaluation for Rajiv Gandhi University of Health Sciences and Medical

Universities across India.

- Co-Principal Investigator for ICMR Project: Incidental Gall Bladder Cancer and Other Pre-Malignant Gallbladder Conditions in India towards early detection of Gall Bladder Cancer.
- Guide for Short-Term Studentship Programme.
- She has been a reviewer for national and International peer-reviewed journals, including Journal of Immunology and Immunochemistry, Journal of Cancer Research & Therapeutics, Diagnostic Cytopathology & Indian Journal of Surgical Oncology.
- Nominated as a Member to the Specialist Board, Pathology of NBEMS, Ministry of Health & Family Welfare, Government of India.

## Talks & Publications

- Faculty speaker and Judge for scientific sessions, including the International Multi-Disciplinary Breast Cancer Conference and Updates.
- Presented Scientific papers in National and State Conferences.
- Undertaken several research works, and the same has been published in various academic journals.
- Research works include: The Analysis of Biomarkers Galectins and CD56in Thyroid Cancer:
- VEGF in Cancers.
- Ki67 & p53 biomarkers in breast cancer