

INTRODUCTION

Department of Pathology, Dr Shankarrao Chavan Government Medical College, Vishnupuri, Nanded was established in 1988 with envisions that leading the developments in the fields of academic pathology & clinical pathology. Since then it is actively engaged in study of diseases, to ensure patient safety and well being. It is committed to dissemination of knowledge besides training of undergraduate and post graduate students to achieve excellence in patient care.

Besides academic training department also provide opportunities of capacity development for staff to enhance their skills and lead the research by example and build and promote platforms for dissemination of knowledge and skills.

Department also provides foster research in curriculum development, basic research into various aspects of disease understandings and management and initiate and promote interdisciplinary and translational research.

Various Sections of the Department

Histopathology: the section is equipped with automated tissue processor, automated microtome, cryostat, Immunofluorescence microscope, Fully automated embedding system.

Haematology : the section is equipped with automatic cell counters, HPLC hemoglobin testing system, Agar gel and cellulose acetate Hb electrophoresis, Fully automatic coagulation apparatus.

Cytology : Cytocentrifuge. Central Clinical Laboratory

Blood Bank And Component Separation Unit : Components provided are whole blood, PCV, Platelet and FFP.

Teaching Sections: Pentahed Microscope, LCD Projector, Vivinet, Audio facility, Over Head Projector, Close circuit television.

Mission

- To provide comprehensive knowledge of the cause and mechanism of diseases to the under-graduate and post-graduate students for gaining complete understanding of the natural and clinical manifestations of the disease.
- To make the students understand the rational and principles of technical procedures of diagnostic laboratory tests.

- To interpret the laboratory tests and correlate with clinical and morphological features of the disease.
- To learn simple bed-side test on biological fluid samples and recognize morbid anatomical and histopathological changes for the diagnosis
- To train the students in such a way so that they shall be able to integrate the cause and mechanisms of the diseases prevalent in India with their natural history for understanding their clinical course and management.
- Similarly the mission is to carry out high class scientific research
- To provide high standard evidence based teaching to the students of MBBS, BPMT and PGDMLT
- To provide effective indoor and outdoor patient services
- To provide core laboratory support in national programmes e.g. sickle cell disease
- To provide highest quality education, training and research experience to the students and to the society through lectures, talks on AIR, seminars, workshops, CME's and blood donation camps.
- It also aims to produce competent specialists who recognizes the health needs of the community and perform duties ethically keeping the objectives of the national health policy a priority.
- To train the student so that he shall be aware of contemporary advances and development and oriented to the principles of research methodology.

Vision

1. To gain recognition as excellent teaching department for MBBS, BPMT and PGDMLT students
2. To provide best clinical service, research and education
3. To cultivate best trainees and faculties
4. To gain excellence in diagnostic and laboratory evaluation

Functions and Objectives of the Department of Pathology

Functions:

➤ **Diagnostic Services:**

Provide accurate and timely diagnosis of diseases through histopathology, cytopathology, hematology, and clinical pathology services.

➤ **Medical Education and Training:**

Train undergraduate and postgraduate medical students in the principles of disease mechanisms, laboratory diagnosis, and clinicopathological correlation.

➤ **Research and Academic Contributions:**

Promote research in pathology, cancer studies, and laboratory medicine to contribute to scientific knowledge and improve patient care.

➤ **Quality Control and Assurance:**

Ensure accuracy and reliability in laboratory testing through internal and external quality control programs.

➤ **Interdepartmental Support:**

Assist clinicians by offering expert opinions, multidisciplinary case discussions, and second opinions to guide patient management.

Objectives:

1. To impart comprehensive knowledge of disease processes, morphology, and laboratory diagnosis to students and trainees.
2. To provide precise and evidence-based diagnostic services for patient care.
3. To encourage critical thinking, diagnostic skills, and academic excellence among students.
4. To promote ethical practices and quality standards in laboratory medicine.
5. To foster research initiatives in cancer pathology, cytology, hematology, and other relevant fields.
6. To support public health initiatives by providing data for epidemiological studies and cancer registries.
7. Provide health education about sickle cell disease, blood donation by holding camps, through lectures in various teaching & non teaching institutes and on All India Radio. Celebration of important days regarding blood donation by holding rallies, street plays, competitions like rangoli, drawing, essay competition in various colleges.

Facilities:

- **Teaching facilities available in our department**
 - UG (MBBS)**
 - PG (MD)**
 - BPMT**
 - PGDMLT**
 - BSC NURSING**
- **BLOOD CENTRE TRAINING PROGRAMME**
- **HEMATOLOGY CYTOLOGY, CLINICAL PATHOLOGY, HISTOPATHOLOGY REPORTING FACILITIES**

1) Clinical and Hematological services.
Blood collection
Hemogram, HPLC.
Coagulation profile (BT/CT)
Routine urine examination
Smears for malarial parasites
Peripheral smear examination
Platelet count
Reticulocytes count test and sickling test, LE(Lupus Erythematosus) cells.
ESR
PT/APTT
Bone marrow aspiration
Stool examination
2)Cytology .
Fine needle aspiration cytology
Fluid cytology for malignant cells
PAP smear examination
Routine body fluid examination
Sputum cytology.
CSF examination and cytology
3) Autopsy
Autopsies- Pathology & medico legal post mortem and its reporting
4) Surgical pathology laboratory
General surgical pathology
Surgical small biopsies
Gastrointestinal pathology
Renal pathology and kidney biopsies

Liver Biopsies
Male and female genital system pathology
Skin Biopsies
Head and neck Biopsy
Frozen section
Special stains
Immunohistochemistry (IHC).
5) Blood Bank
Blood donation programme (Indoor and outdoor)
Blood group estimation
Compatibility testing
Coomb's Test
Component Separation
Serological testing
Plasmapheresis
NAAT Test

PUBLICATION:

<p>List Of Research projects Completed In Past 3 Years</p>	<ol style="list-style-type: none"> 1. Clinicopathological a study of lesions of nasal cavity and paranasal sinuses 2. Study of bone marrow in patients with pancytopenia 3. Histomorphological study of transurethral resection of prostate specimens 4. A study of histopathological spectrum of testicular lesions 5. Histopathological study of ovarian
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	<p>tumors</p> <ol style="list-style-type: none"> Study of FNAC of neoplastic breast lesions and histopathological correlation Study of body fluids cytology in detection of neoplastic and non neoplastic lesion Screening of hemoglobinopathies using cation exchange HPLC Study of clinicohistopathological features of git lesions Study of IHC in breast lesions. Prevalence of hemoglobinopathies and hemoglobin varients among anaemic children: A cation exchange- high performance liquid chromatography- based study at tertiary care teaching hospital
List the Research projects in progress in research lab	<ol style="list-style-type: none"> Study of clinicytopathologicalcorrelationof lymphadenopathy at tertiary care centre Bone marrow examination in case of pancytopenia or in only thrombocytopenia patient. To study the Clinicoradiological and Histopathological correlation of soft tissue tumors-cross sectional study Cross sectional study on cytological pattern of cervical pap smear reported adopting Bethesda system along with histopathological correlation at tertiary care hospital

	<ol style="list-style-type: none"> 5. Cytological grading of breast malignancy. 6. PAP smear findings in seropositive patients. 7. Histopathological study of lesion of nasopharynx, nasal and paranasal sinuses 8. Study of nucleated red blood cells in patients admitted at tertiary health care centre 9. The comparative study of fine needle Aspiration and histopathological correlation in soft tissue tumor. 10. Histopathological study of non neoplastic skin lesions in skin biopsies at tertiary health care centre 11. Correlation of serum prostate level with histopathology finding prostate specimen
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PAPER PUBLICATION IN LAST 03 YEARS:

- Author- Dr. Mohammed A. Sameer,
 Topic- SAMEER'S 4+1 Smart Fine-Needle Aspiration Cytology (FNAC) Technique For Enhanced Diagnostic Accuracy Across Common Lesions.
 Published At - IOSR Journal Of Dental and Medical Sciences(IOSR- JDMS), Volume No. 24, Issue No. 2, February 2025
- Author- Dr. Mohammed A. Sameer
 Topic- Study Of Prevalence Of Hemoglobinopathies And Hemoglobin Variants Among Anaemic Children Using Cation Exchange-High Performance Liquid Chromatography In A Medical College At Tertiary Care Center
 Published At - Perspectives in Medical Research. Volume 1.3, Issue 1, January – April 2025.
- Author- Dr. Mohibul Islam Ahmed, Dr. Mohammed A. Sameer, Dr. Deepak Sadhu, Dr Reshma Wattamwar
 Topic- Comprehensive Analysis of Salivary Gland Lesions: Evaluating Spectrum in Tertiary Care through Fine Needle Aspiration Cytology
 Published At - Indian Journal of Pathology: Research and Practice Volume 12 Number 4, October - December 2023

- Author- Dr. Shrinivas Borkar, Dr. Mohammed A. Sameer, Dr. Vijaya Muddamwar, Dr. Deepak Sadhu
 Topic- Histopathological Study of Liver in Medicolegal Cases: A Tertiary Care Centre Study
 Published At - Indian Journal of Pathology: Research and Practice Volume 13 Number 1, January - March 2024
- Author- Dr. Afreen Amir Pathan, Dr. Mohammed A. Sameer, Dr. Deepak Sadhu
 Topic- Clinicohistopathological spectrum of adult renal tumours: 3 yrs retrospective study at a tertiary care centre
 Published At - Indian Journal of Pathology: Research and Practice Volume 13 Number 1, January - March 2024
- Author- Dr. Hrishikesh Ghodke, Dr. Mohammed A. Sameer,
 Topic- Study of histopathological features of ovarian tumors
 Published At - Indian Journal of Basic and Applied Medical Research; March 2023: Vol.- 12, Issue- 2
- Author- Dr. Ashwini R Desai, Dr. Mohammed A. Sameer, Dr. Deepak Sadhu
 Topic- The Utilisation of Fine Needle Aspiration Cytology for Diagnosis of Head and Neck Lesions in Paediatric Age Group
 Published At - Perspectives in Medical Research. 2024;12(1):35-39
- Author- Dr P. N. KADAM , Dr Santosh Pawar
 Topic- Clinicopathological Study of Salivary Gland Lesions
 Published At- WIMJOURNAL, Volume No. 11, Issue No. 2,2024
- Author- Dr Sheetal Gajale , Dr P.N.Kadam, Dr. Prashant R. Shinde, Dr. Kedarnath Kute,Dr. Supriya Muneshwar
 Topic- Histopathological Spectrum Of Leprosy In a Tertiary Care Centre
 Published At- IOSR Journal Of Dental and Medical Sciences(IOSR- JDMS), Volume No. 23, Issue No. 9,2024
- Author- Dr Sandhya B Narwade, Dr Sanjivani More, Dr. Supriya Muneshwar
 Topic- Clinicopathological Evaluation Of Endometrial Curettage Specimens from A Tertiary Care Centre
 Published At- Journal Of Population Therapeutics and Clinical Pharmacology

- Author- Dr Sanjivani More ,Dr Sandhya B Narwade, Dr. Shrinivasanand M Patil, Dr Deepak Sadhu
Topic- Histopathological examination of Endoscopic Biopsies of Upper Gastrointestinal Tract at Tertiary Care Centre
Published At- International Journal Of Life Sciences, Biotechnology and Pharma Research, Volume No. 13, Issue No. 3,2024

WORKLOAD

➤ COMPARATIVE STATEMENT OF ANNUAL WORKLOAD OF LAST 3 YEAR IN PATHOLOGY DEPARTMENT

A. GENERAL

Nature of Specimens	Year I(2022)	Year II(2023)	Year III (2024)
Total number of histopathology investigations [Total specimens (Organ/Part/Tissue) for histopathology received and reported]. Prepare data table.	3095	3139	3533
Frozen sections. Prepare data table	24	30	34
Special stains (give details below in brief). Prepare data table	45	48	51
Immunohistochemistry (mention below if outsourced)	31	28	33
Total Hematology Specimen received and tested	112098	113998	118500
Total Cytopathology Specimen received and reported (Cytopathology workload). Prepare data table	8875	9854	10430
Fluid Cytology	3460	3980	4250
Exfoliative Cytology (Pap's Smear)	1865	2073	2354
FNAC (Direct). Prepare data table	3344	3576	3645
FNAC (CT guided). Prepare data table	-----	-----	-----
FNAC (USG guided).	210	225	232
PBF	6820	8230	8945
Bone marrow. Prepare data table	36	48	52

B. Histopathology

Nature of Disease Reported	Year 1(2022)	Year 2(2023)	Year 3 (2024)
Tuberculosis	699	695	697
Other infections/ Inflammations	1398	1397	1405
Benign/Non Neoplastic*	559	558	561
Malignancies. Prepare data	140	139	143

C. Hematology:

Name of test	Year1(2022)	Year2(2023)	Year3 (2024)
CBC	74682	87760	89745
ESR	4420	5240	5421
Reticulocyte Count	1345	1760	1784
Absolute Eosinophil Count	648	845	854
Bone Marrow aspiration	36	48	54
Bone Marrow Biopsy. Prepare data table	-	-	-
PT, aPTT, TT	1245	1440	1578

D. Facilities for the work up of the following (Name of investigation & numbers per year)

Name of test	Year1(2022)	Year2(2023)	Year3 (2024)
Coagulation disorders	315	336	342
Leukemia _	74	78	76
Nutritional anemias	23680	26740	28450
Hemolytic anemias	2365	2480	2545

E. Body Fluids (Clinical Pathology)

Name of test	Year1(2022)	Year2(2023)	Year3 (2024)
Urine: Routine:	4627	5400	5520
Urine Special:	370	390	396
Semen: Routine	875	892	912

Semen: Special	32	35	34
CSF. Prepare data table	852	1095	1125
Sputum:	605	628	682
Other body fluids:	3160	3250	3368

F. AUTOPSY AND MLC PM

SECTION	Year1(2022)	Year2(2023)	Year3 (2024)
CLINICAL AUTOPSY	20	35	46
MLC PM	280	310	310

ORGANISATION STRUCTURE AND CHART

LIBRARY

- **Library facility pertaining to the Department/Speciality (Combined Departmental and Central Library data):**

Particulars	In the Department	In Central Library
Number of Books	208	20750Pathology-1383
Total books purchased in the last three years(attach list as Annexure	159	2310 Pathology-159
Total Indian Journals available	08	72Pathology-10
Total Foreign Journals available	15	151Pathology-05

PATHOLOGY MUSEUM:

PATHOLOGY MUSEUM HAS A COLLECTION OF RARE AND INTERESTING SPECIMENS FOR UNDERGRADUATE AND POST GRADUATE STUDENTS.

NATURE OF WORK DONE

- MOUNTING OF SURGICAL AND POST MORTEM SPECIMENS FOR PATHOLOGY AND OTHER DEPARTMENTS
- DISPLAY OF SPECIMENS WITH DESCRIPTION ACCORDING TO SYSTEMS
- CONDUCTING UNDERGRADUATE AND POSTGRADUATE TEACHING SESSIONS

Space	140 sqmtr.
Total number of Mounted Specimens	497
Total number of Wet Specimens	158
Total number of Chart/ Diagrams	74

LIST OF CHARTS, PHOTOGRAPHS, MODELS ARE DISPLAYED IN A RACK.

SPECIMEN AND THEIR ARRANGEMENT: 80 CHARTS(SYSTEM WISE) AND 10 MODELS

NO OF CATALOGUES OF THE SPECIMENS AVAILABLE TO THE STUDENTS.GROSS AND MICROSCOPIC DESCRIPTIONS ARE AVAILABLE. CATALOGUES OF ALL THE SPECIMENS ARE AVAILABLE.

SEATING ARRANGEMENTS FOR STUDENTS

LEVEL TYPE: TOTAL NUMBER: 40
ANTE-ROOM: YES

ACADEMICS

COURSES OFFERED –

- **MBBS- 150 STUDENTS PER YEAR**
- **M.D PATHOLOGY- 4 STUDENTS PER YEAR**
- **B.P.M.T- 25 STUDENTS PER YEAR**
- **PG DMLT- 20 STUDENTS PER YEAR**
- **BSC NURSING LECTURES FOR 50 STUDENTS PER YEAR**

STUDENT ACTIVITIES-

- **OUR PG STUDENTS REGULARLY PRESENT POSTERS AND ORAL PAPERS IN STATE, NATIONAL AND INTERNATIONAL CMES, CONFERENCES**
- **THEY PARTICIPATE IN SEVERAL SPECIALTY QUIZ PROGRAMES**

TEACHING SCHEDULES/ ACADEMIC CALENDER-


- **UG(MBBS)-**
- **TOTAL TEACHING HOURS-(230 HOURS OF LECTURES, 138 HOURS OF PRACTICES, 12 HOURS OF SDL)**
- **AETCOM(12 HOURS)**





PG ACTIVITIES





SR NO	DETAILS
1	SEMINARS(PG ACTIVITIES)
2	JOURNAL CLUBS
3	CASE PRESENTATION
4	GROUP DISCUSSION

5	DEATH AUDIT
6	UNDERGRADUATE PRACTICALS
7	POST GRADUATE PRACTICALS
8	AUTOPSY PRESENTATION
9	GROSS SPECIMEN DISCUSSION
10	SLIDE SEMINAR

TEACHING FACULTIES AND RESIDENTS


Sr. no.	NAME	PHOTO	DESIGNATION	CONTACT
1	DR M A SAMEER		Professor and Head (DEPARTMENT OF PATHOLOGY)	9970069969 sameerdr7765@gmail.com
3	DR Y H CHAVAN		Associate professor (BLOOD BANK INCHARGE)	9970054434 dryadavchavan@gmail.com

Sr. no.	NAME	PHOTO	DESIGNATION	CONTACT
5	D P N KADAM		Associate professor (CCL INCHARGE)	9890172702 drpankajkadam@yahoo.co.in
6	DR VIJAYA MUDDAMWAR		Associate professor (Histopathology incharge)	7030050953 drvijayakomwad@gmail.com
7	DR SANDHYA NARWADE		Assistant Professor	797207375 Sandhyanarwade1@gmail.com
8	DR SHRINIVASANAND PATIL		Assistant Professor	8329698302 Shrinpatil29@gmail.com

Sr. no.	NAME	PHOTO	DESIGNATION	CONTACT
10	DR SANJIVINI MORE	 	Assistant Professor	8788438558 sanjivanimore98@gmail.com
11	DR RESHMA WATTAMWAR		Assistant Professor	9503223402 meereshma@gmail.com
12	DR SHITAL RANVIR		Assistant Professor	8830806715 drshitalranvir@gmail.com
13	DR H G GHODKE		Assistant Professor	8668607565 Hrishi0818@gmail.com

Sr. no.	NAME	PHOTO	DESIGNATION	CONTACT
14	DR POOJA NAGARGOJE		Assistant Professor	9022133650 Poojanagargoje60@gmail.com
15	DR ANKITA LOHIYA		SENIOR RESIDENT	8668696822 Ankita.lohiya76@gmail.com
16	DR GAYATRI PARTANI		SENIOR RESIDENT	8999608263
17	DR SWATI MAROTRAO KHANPATE		SENIOR RESIDENT	9373095583 khanpateswati@gmail.com

Sr. no.	NAME	PHOTO	DESIGNATION	CONTACT
18	DR ANKITA AVINASH DESHMUKH		SENIOR RESIDENT	9860901757 Deshmukh.anks@gmail.com
19	DR RUPALI GANGARAM KALSARE		SENIOR RESIDENT	7972037569 rupalikalsare@gmail.com
20	DR SUMEET SUDHAKAR RAO KAMTALWAR		SENIOR RESIDENT	9503906889 sskamtalwar187@gmail.com
21	DR DIPALI DATTARAO INGALE		SENIOR RESIDENT	8888352559 Ingaledipali15@gmail.com
22	DR SHRINIVAS BORKAR		JR3	9511871774

Sr. no.	NAME	PHOTO	DESIGNATION	CONTACT
23	DR SANSKRUTI KORDE		JR3	9604900919 sanskritikorde@gmail.com
24	DR JAGRUTI VASAIKAR		JR3	9764775800 Pvasaikar20@gmail.com
25	DR AKASH PAWAR		JR3	8007755774 drakashpawar23@gmail.com
26	DR PRAMOD		JR3	8999435501 drpramodnandgave2015@gmail.com

Sr. no.	NAME	PHOTO	DESIGNATION	CONTACT
27	DR PRATICHI PARIDA		JR2	7978653604 pratichi.tichi@gmail.com
28	DR POOJA LASHKATWAR		JR2	8010265093 Poojalakshatwar777@gmail.com
29	DR SATISH GORE		JR2	9552341915 Satishsgore007@gmail.com
30	DR YASHANI TOTALA		JR2	8329676210 totlayashu@gmail.com
31	DR SNEHA BHANUSHALI		JR1	8355834549 snehabha17@gmail.com




Sr. no.	NAME	PHOTO	DESIGNATION	CONTACT
32	DR PRABHU RAMCHANDRA MALI		JR1	7972806900 maliprabhu1997@gmail.com
33	DR RAHUL KSHIRSAGAR		JR1	9373776162 Dr.rskmouda@gmail.com
34	DR PRIYANKA YADAV		JR1	8591272739 pssayadav@gmail.com

PHOTO GALLERY



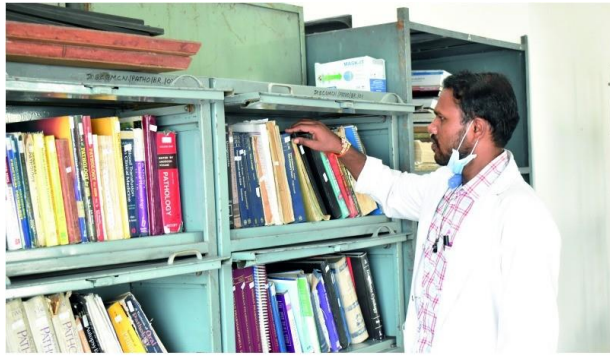
**DR M.A SAMEER, HOD & PROFESSOR,
DEPARTMENT OF PATHOLOGY**



MUSEUM



PG SEMINAR HALL



DEPARTMENT LIBRARY



UG LECTURE HALL



PRACTICAL HALL



GROSSING ROOM





HISTOPATHOLOGY REPORTING ROOM



IMMUNOHISTOCHEMISTRY



HPLC PROCESSING ROOM



FIVE PART HEMATOLOGY CELL COUNTER



FNAC PROCEDURE ROOM



BLOOD DONATION ROOM



SEROLOGICAL TESTING ROOM

VIDEO LINK:

<https://drive.google.com/drive/folders/1tV8MxtltAa9UF1E-Rhy5IntAplT1DybO?usp=sharing>

