

DEPARTMENT OF PATHOLOGY

University College of Medical Sciences

And Guru Teg Bahadur Hospital, Delhi

Affiliated to University of Delhi

Head of the Department: Dr Vinod Kumar Arora

Infrastructure

Four lecture theatres

LT1 to LT4

Airconditioned

Independent AV aids

Shared by all departments in programmed manner

Infrastructure

Demonstration Room:

- a) Number :2 (One is shared with Physiology department)
- b) Accommodation
 - Size: 30x20ft each
 - Capacity:80
- a) Audio-Visual equipment available : Yes



Demonstration Room

Infrastructure

UG laboratory

200 sq m area

Light for microscopy and burners for 90 students to carry out microscopy.

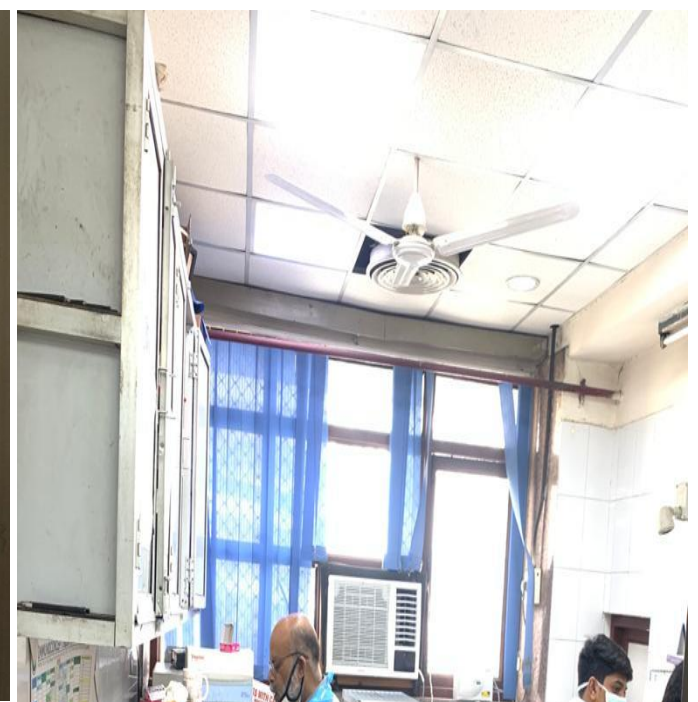


UG Laboratory



Infrastructure

There are separate labs for each histopathology, cytopathology, hematology



Histopathology



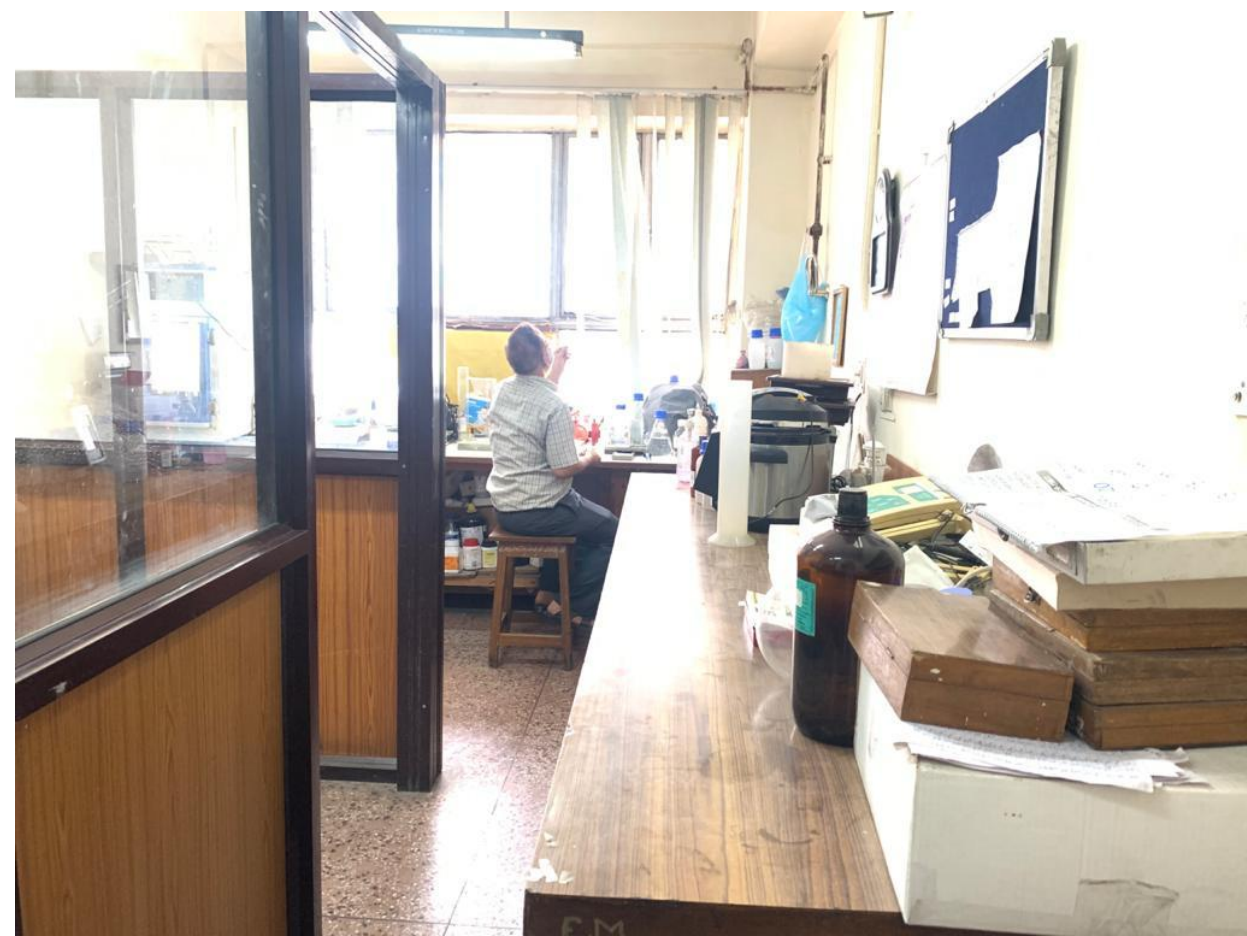
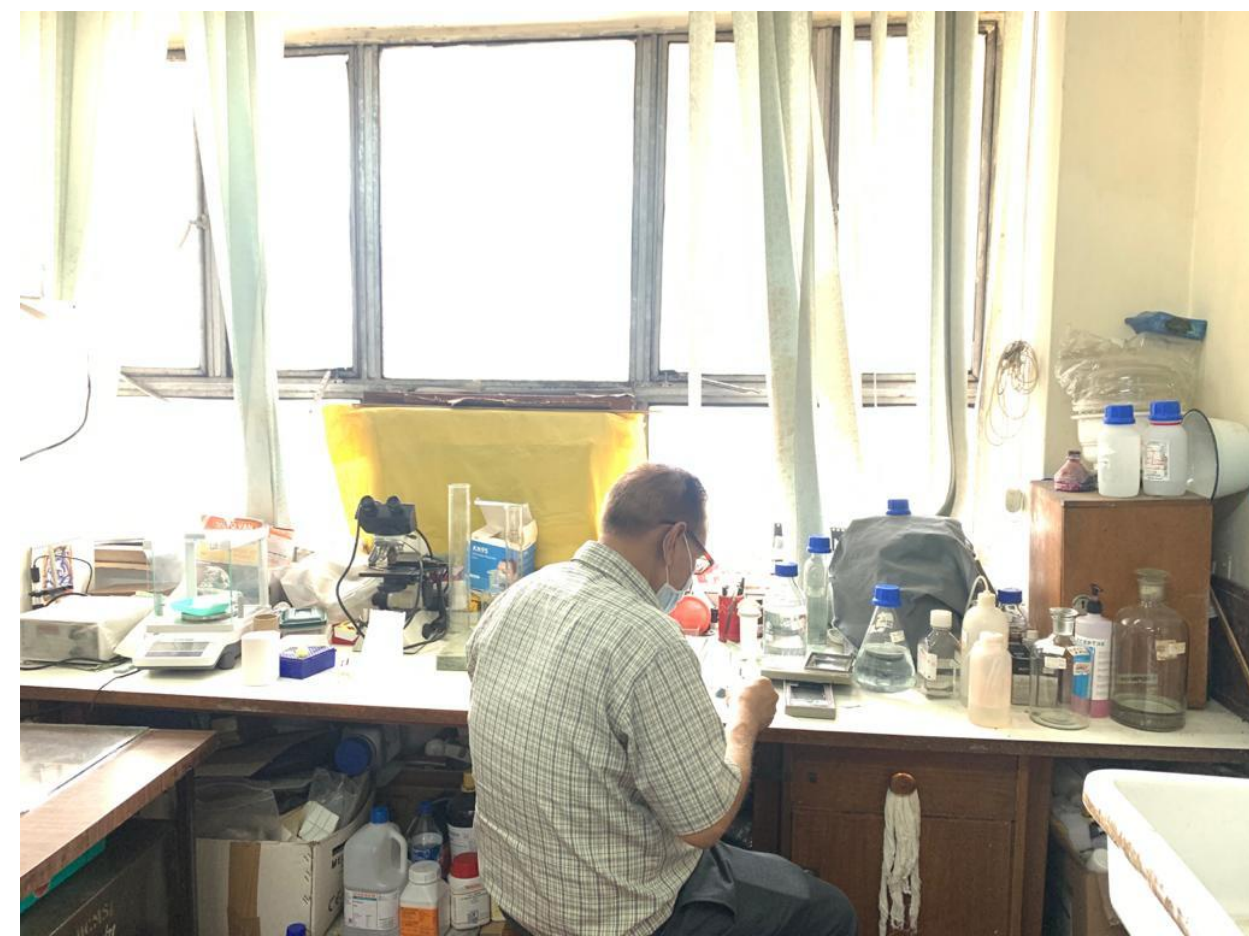
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Special Hematology & Anaemia Laboratory

| Particulars | Histopathology | Cytopathology | Hematology | Any others |
|--|-----------------------|----------------------|-------------------|----------------------|
| Are there separate laboratories | yes | yes | yes | Immunohistochemistry |
| Control and supervision (Dept or MS)* | Department | | | |
| Size of laboratory (m ²) | 120.8 | 50.2 | 33.5 | 5.6 |
| Equipment available Yes/No (attach list) | Yes | Yes | Yes | Yes |
| Staff details (in separate tables below) | | | | |
| | | | | |



Immunohistochemistry Room



*Immunofluorescence
Room*



Frozen Section Room



Flowcytometry

Infrastructure

V) MUSEUM :

- a) Size : 28x15 sq ft
- b) How are specimens arranged? Give details

The mounted specimen are arranged system wise in the display racks .Each specimen is given an identification code and the diagnosis for the codes are mentioned on the display sheets for each rack.

- a) Give number of each:
 - 1. Mounted specimen :280
- Unmounted specimen:100



Museum



Infrastructure

The autopsy block is located adjacent to the hospital shared with the department of Forensic medicine

Infrastructure

V) DEPARTMENTAL LIBRARY-CUM-SEMINAR ROOM :

- a) Is there a separate departmental library? Yes
- b) Accommodation
 - 1. Size 32x17 sq ft
 - 2. Capacity :40
 - a) Number of books in Pathology and allied subjects: 187
 - b) List of Journals None



*Library-cum-Seminar
Room*

Infrastructure

V) RESEARCH LABORATORY:

- a) Size: Molecular laboratory for RTPCR functions as research laboratory. In addition, the Multidisciplinary Research Unit (MRU) is a shared facility for research which is available to the department.
- b) Equipment: HPLC, RTPCR, ELISA.
- c) Are there any students taken for Diploma in Pathology, M.D. or Ph.D. in Pathology? If so, how many per year during the last three years.

Yes, MD pathology students

1. 2020-12

2. 2019-14

3. 2018-12

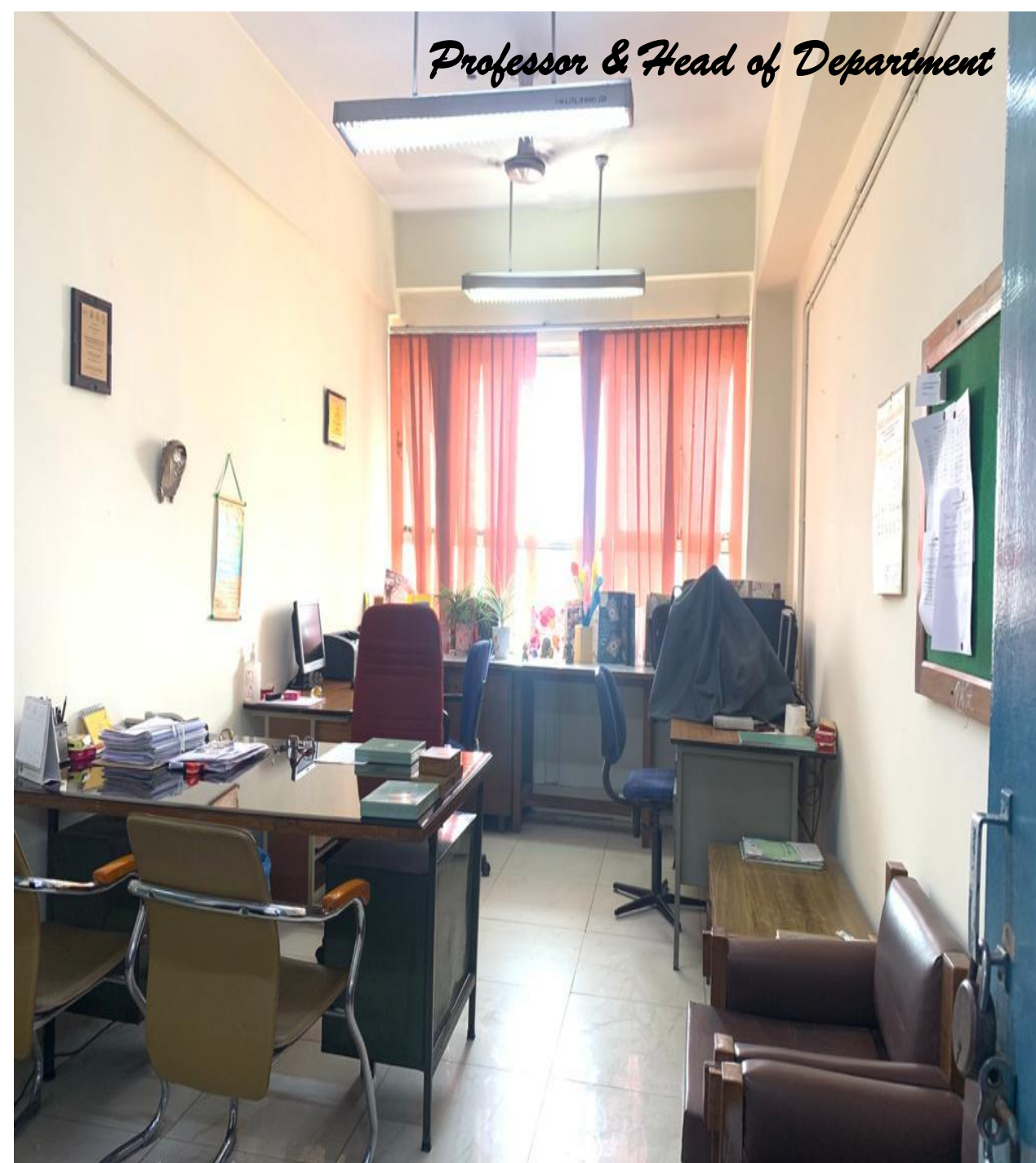


Research Laboratory

Infrastructure

Adequate accommodation is provided to staff.

Professor & Head of Department



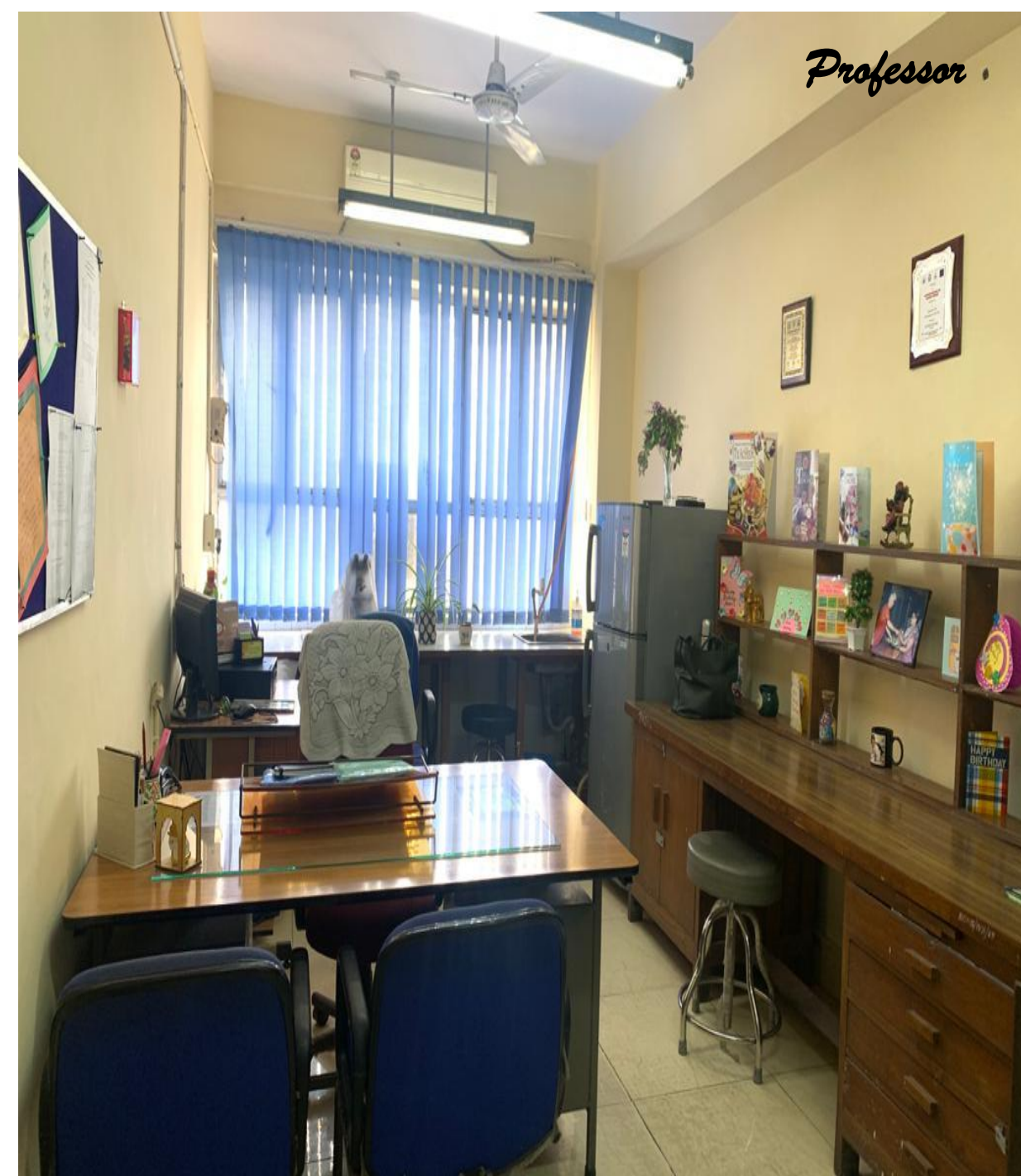
Professor





Professor

Professor





Assistant Professor



Infrastructure

Separate NABH accredited blood bank with Registration and Medical Examination Room and selection of donors room with suitable furniture and facilities.

(b) Blood collection room.

(c) Room for Laboratory for Blood Group serology;

(d) Room for Laboratory for Transmissible diseases like hepatitis, syphilis, Malaria, HIV antibodies etc;

(e) Sterilisation and washing room;

(f) Refreshment room; and

(g) Store and Records room.



Phlebotomy Room

Donor Screening Room

Counselling Room

BLOOD BANK



Hemoglobin Estimation Room

BLOOD BANK Cold Storage Room





Record Room



Refreshment Room



Screening Room for TTT

BLOOD BANK



Serology

BLOOD BANK

Washing & Distillation Room

Store Room

Faculty and Staff

List of Teaching Staff

| | Name | Total Teaching Experience(yrs) |
|--------------------|----------------------|--------------------------------|
| Director Professor | Dr Vinod Kumar Arora | 38 |
| | Dr Sonal Sharma | 24 |
| | Dr Mrinalini Kotru | 19 |
| Professor | Dr Priyanka Gogoi | 15 |
| | Dr Richa Gupta | 15 |
| | Dr Nadeem Tanveer | 14 |
| | Dr Preeti Diwaker | 14 |
| Assoc. Prof | None | |
| Asst. Prof. | Dr. Poonam Rani | 4 |
| | Dr Pragya Jain | 3 |
| | Dr Deepshikha Rana | 3 |

| | Name |
|------------------|----------------------|
| Senior Residents | Dr Manish Ranjan |
| | Dr Sonali Dixit |
| | Dr Akanksha Aggarwal |
| | Dr Karishma Ranjan |
| | Dr. Jehan |
| | Dr Himadri |
| | Dr Sunakshi |
| | Dr Kriti Grover |
| | Dr Ashish Philip |
| | Dr Prerna Mahajan |
| | Dr Janateen |
| | Dr Kanika Gupta |
| | Dr Pratibha |

Equipments

| <p>List of Equipment in Histopathology Laboratory</p> <ol style="list-style-type: none">1. Automatic Tissue Processor – 42. Microtome – 53. Cryostat- 24. Autostainer -15. Embedding machine – 46. Hot Air oven – 28. Fluorescent Microscopes – 29. Grossing Station-1 | <p>List of equipment in Cytopathology Lab</p> <ol style="list-style-type: none">1. Auto Stainer - 12. Cytospin -23. Tissue flotation4. Bath-15. Microtome-16. Laminar Air Flow-17. Ag retrieval system-1 |
|---|--|

Equipments

List of Equipment in Immunohistochemistry Laboratory

1. Ag retrieval system – 3
2. IQ Kinetic slide stainer (Biocare)-1
3. Refrigerator-1
4. Oven-1

List of Equipment in Hematology Laboratory

1. Automated hematology analyzers -7
2. Flow Cytometer 1
3. Electrophoresis apparatus – 2
4. Coagulometer – 2
5. Automated ESR machines – 2
6. HPLC machine – 1
7. Inverted microscope with fluorescence– 1
8. RTPCR – 1
9. Refrigerated centrifuge – 2
10. Thermal cycler – 3
11. Gel doc- 2

Samples Processed in Labs

The average numbers for each lab per year were as follows

- Histopathology: ~15000, Frozen: ~100 (extra)
- Cytopathology: Total: ~12000,
- Hematology: Peripheral Smear: ~50000, Special tests: ~3000, Bone Marrow~300

Teaching Programme

| I. Teaching Learning Methods | <u>Number</u> |
|-------------------------------------|----------------------|
| 1) Lectures | 76 |
| 2) Demonstrations | 39 |
| 3) Tutorials | 65 |

Innovations in teaching Online teaching by Google meet and MS teams

Methods of Assessment :

Formative: Topic wise tests and written assessment
 Semester Exams with practicals

Summative: Professional Exam and Sent Up at the end of the course.

Thank You