

PATHOLOGICAL LABORATORY SERVICES LINE LIST AT R.G.KAR MCH

HEMATOLOGY DIVISION

1. CBC,Hb, TLC, DLC, Platelet count, PCV,RBCindices,Platelet indices
2. PBS
3. ESR
4. Reticulocyte count,Reti indices
5. Malaria parasite, L.D bodies(bm,splenic aspirate)
6. Bone marrow aspiration with Perl's stain
- 7.LE cell prepn
8. Coagulation Profile
 - PT- INR
 - APTT
 - D- dimer
 - Fibrinogen

HEMOGLOBINOPATHY CONTROL UNIT

- 1.Awareness Programmes with outreach camps
- 2.Ferritin study
- 3.Detection by HPLC
- 4.Iron chelation therapy(OPD)
- 5.Transfusion(Med and Paed deptt)

Cytology division

1. Fluid cytology (M cell study)- Ascitic fluid, Pleural fluid, Urine, DPL, BAL fluid,Joint aspirations
2. Exfoliative cytology
Cervical Pap smear(sent from G n O)
3. FNAC
Breast, Thyroid, lymph nodes ,other SOL
4. Guided FNAC(CT,USG)
Lung, Liver,mediastinum
5. Cell block preparation

HISTOPATHOLOGY DIVISION

1. Routine biopsy processing with H/E stain
2. Special stains(PAS,Trichrome,Reticulin etc)
- 3.HP detection of mucormycosis,aspergillosis,TB etc
3. Autopsy study
 - Medicolegal
 - Pathological (covid autopsy during pandemic)
4. Immunohistochemistry
Breast markers- ER, PR, HER-2, Ki-67,overall about 20 first line immuno- markers.

IHC ER, PR, HER2 neu, Ki67, CK, CD45, CD3, CD20, S100, Synaptophysin, Vimentin, EMA, SMA, Myo D1, P16, P63, Ael/Ae3, CD 99...CD34

5. REVIEW OF SURGICAL PATHOLOGY AND GUIDED FNAC CASES REFERRED FROM OUTSIDE INSTITUTION

CENTRAL LABORATORY

Hematology division

1. CBC

Hb, TLC, DLC, Platelet count, PCV

MCV, MCH, MCHC, RDW

2. PBS

3. ESR

4. MPDA

Biochemistry division

1. Sugar

2. Urea

3. Creatinine

4. Sodium

5. Potassium

6. LFT

Bilirubin(total, direct and indirect)

ALT

AST

ALP

Total protein

Serum albumin

A:G ratio

7. Amylase

8. Lipase

9. Uric acid

10. CRP

Clinical pathology division

1. Urine RE/ME

Specific gravity, pH

Protein, sugar, ketone, occult blood

Bilirubin, urobilinogen

Microscopy for cells, casts, crystals

2. 24 hour urinary protein estimation by Esbach' s method

3. Biochemical examination of fluid- CSF sugar, protein

4. Cell type and cell count

CSF

Ascitic fluid

Pleural fluid

Pericardial fluid

Synovial fluid

BAL fluid

Diagnostic peritoneal lavage

5. Semen analysis