

CHEMICAL PATHOLOGY

1. Rothera's test
2. Electrophoresis (Tank and Pack) uses and buffer and other solutions used.
3. Conversions (glucose, urea, protein,)
4. Clinitest
5. Primary hypothyroidism
6. 5 differentials and investigations for polyuria and nocturia
7. Serum electrophoresis for multiple myeloma
8. Specific gravity calculations and corrections
9. Osmolality calculations and Osmolar gap
10. Functions of Fab and Fc
11. Examples of immunogens, and properties
12. Immunoprecipitation methods
13. Identify urinometer, Bijou bottle and lithium heparin with uses
14. CSF biochemical findings (Viral meningitis, subarachnoid hemorrhage)
15. Benedict's solution (uses, and differential)

MORBID ANATOMY

1. Fibroadenoma slide
2. Papillary thyroid carcinoma slide
3. Wilm's tumor slide
4. Tuberculous lymphadenitis slide
5. Appendicitis slide
6. Cervical leiomyoma
7. Intestinal lymphoma
8. Hypertrophic cardiomyopathy
9. Infected ovarian cyst
10. ADPKD
11. Bacterial meningitis
12. Splenic infarct
13. Metastasis to liver
14. Gastric carcinoma
15. Lobar pneumonia

HEMATOLOGY

1. Sickle cell slide
2. CLL slide
3. Blood grouping (reverse)
4. PCV calculation (microhematocrit)
5. Coombs test
6. Cross matching
7. ESR
8. Hemophilia
9. Albumin (zeta potential)
10. Sodium metabisulphite sickling
11. Tissue thromboplastin
12. EDTA
13. CPDA

14. Anemia

15.

MICROBIOLOGY

1. Oncocerciasis
2. Ascaris
3. Schistosoma mansoni egg
4. Dracunculus
5. Taenia
6. Pseudomonas on agar (fluorescein)
7. Blood agar
8. Antibiotic sensitivity test
9. Sterilization of (sterile swab. Latex gloves, McCartney bottle, wire loop)
10. Anaerobic jar
11. Cryptococcus (halos)
12. Lymphocytotropic virus
13. Parvovirus (clinical scenerio)
14. Hepatitis serology
15. Specimens used in virology