

K.V.G. Medical College, Sullia

Department of Anatomy

Teaching Schedule for MBBS- phase I Students of 2019-20 batch, as per RGUHS guidelines.

August -2019 – Foundation Course

**I Quarter
September -2019**

General Anatomy

Sl.No.	Theory topics	Integrated teaching by the Department of.....	Practicals/Dissection
1.	Introduction to Anatomy - History of Anatomy - “How to study Anatomy”		Dissection
2.	Anatomical terminology		Interactive sessions
3.	General Osteology	Orthopaedics	Dissection
4.	Connective tissue including skin, fasciae and other modifications in general	Dermatology	Dissection
5.	Muscular system	Physiology	Group Discussion
6.	Nervous System		
7.	Cardiovascular system		
8.	Lymphatic System		
9.	Joints	Orthopedics	Discussions

General Histology

1.	Introduction - Microscope - Cell		Practicals with demonstrations and discussions
2.	Epithelial tissue		
3.	Connective tissue		
4.	Specialized connective tissue- cartilage		
	General Embryology		
1.	Introduction		
2.	Gametogenesis		
3.	Male and female genital tracts, ovarian cycle		
4.	Menstrual cycle	Obstetrics and Gynaecology	Discussions
5.	Development upto 7 days after fertilization		
	Osteology		
	Clavicle Scapula Humerus Radius	Orthopedics	Group Discussions
	Gross Anatomy Upper Limb		
	Introduction to upper limb - Mammary gland	General Surgery, General	Dissections, Demonstrations, Group discussions

		Medicine, Obstetrics and Gynaecology	
	Pectoral region		
	Axilla		
	Brachial Plexus		
	Scapular region		
	Shoulder joint	Orthopedics	

October - 2019

General Histology

1.	Specialized connective tissue- Bone		Practicals with demonstrations and group discussions
2.	Muscle tissue		
3.	Nervous tissue including ganglia		
4.	Glands		
	General Embryology		
1.	2 nd week of development	Obstetrics and Gynaecology, Paediatrics	Group Discussion
2.	Implantation, Placenta, Amniotic cavity, umbilical cord		
3.	Prenatal diagnosis, teratology, twinning		
	Osteology		
1.	Ulma	Orthopedics	Group Discussion
2.	Skeleton of hand, surface anatomy and Radiographic anatomy of upper limb	Orthopedics and Radio diagnosis	Group Discussion
	Gross Anatomy		
1.	Front of arm , cubital fossa		
2.	Back of arm		
3.	Anterior Compartment of forearm		
4.	Hand (Palm)- 2 hours		
5.	Posterior compartment of forearm and dorsum of hand		
6.	Joints of upper limb- Elbow, wrist, first carpo-metacarpal and other smaller joints		
7.	Median nerve, Radial Nerve, Ulnar nerve	General Medicine	
8.	Dermatomes, Venous and lymphatic drainages of upper limb		

November -2019

General Histology

1.	Blood vessels		Practicals, demonstrations and Group discussions
2.	Lymphatic system		
3.	Skin		

4.	Placenta, Umbilical cord		
	Osteology		
1.	Ribs and sternum	General Medicine, Physiology, Orthopedics	Group discussions
2.	Typical and thoracic vertebrae		
	Gross Anatomy Thorax		
1.	Introduction to thorax and intercostal spaces	Physiology	Dissections, Demonstrations, group discussions and interactive sessions
2.	Mediastinum		
3.	Pleura and lungs	General medicine	
4.	Pericardium and heart	General medicine	
5.	Posterior thoracic wall – Structures in Posterior mediastinum including Aorta, Azygos veins	General Surgery	

November last week – 1st Internal Assessment examination

II Quarter

December 2019

Osteology

1.	Hip Bone	Orthopedics	Group Discussions
2.	Femur		
3.	Tibia and patella		
4.	Fibula		
5.	Skeleton of foot		

Gross Anatomy

Lower limb

1. Introduction to lower limb- Front of thigh	General Surgery	Dissections, Demonstrations, Group discussions and interactive sessions
2. Medial side of Thigh		
3. Gluteal region		
4. Back of thigh and Popliteal fossa		
5. Hip joint	Orthopedics	
6. Anterior and lateral compartments of leg and dorsum of foot		
7. Posterior compartment of leg		
8. Sole		
9. Knee joint	Orthopedics	
10. Other joint of lower limb- Ankle subtalar and other smaller joints		
11. Arches of foot		
12. Dermatomes, and Lymphatic drainages of lower limb	General Medicine	
Systemic Embryology		
1. Development of Respiratory system	ENT, General Surgery, Paediatrics	Seminars, Group discussions and

2. Development of Cardiovascular system		interactive sessions
3. Development of Skeletal, muscular and Integumentary system		

Systemic Histology

1. Respiratory system 2. Gastro-intestinal system	Pathology	Practicals with demonstrations and group discussions
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January 2020

Gross Anatomy

Abdomen

1. Introduction – Anterior abdominal wall 2. Male external genital organs and loin 3. Peritoneum 4. Spleen, Coeliac trunk 5. Stomach 6. Small intestine 7. Large intestine including caecum and appendix 8. Pancreas and portal vein 9. Liver 10. Biliary apparatus, diaphragm, suprarenal glands 11. Kidneys and ureters 12. Posterior abdominal wall	General Surgery	Dissections, demonstrations, group discussions
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Osteology

1.	Lumbar vertebrae	Orthopedics Obstetrics and Gynaecology	Group discussions
2.	Pelvis as a whole sacrum and coccyx		

Systemic Histology

1.	Urinary system and suprarenal gland	Pathology	Group discussions
2.	Male reproductive system		

Systemic Embryology

1.	Development of gastrointestinal system	General Surgery	Group discussions
2.	Development of Genito-urinary system		

February - 2020

Systemic Embryology

1.	Development of Coelomic cavities and diaphragm	General Surgery	Group discussions
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Systemic Histology

1.	Female reproductive system	Pathology	Interactive Sessions
Genetics			
1.	Introduction to Medical genetics	Paediatrics, Obstetrics and Gynaecology	Interactive sessions
2.	Karyotyping		
3.	Genes		
4.	Chromosomal abnormalities and syndromes		
5.	Pedigree charts and genetic counselling		

	Surface and radiological anatomy of Thorax, lower limb Abdomen and pelvis	General Surgery and Radio Diagnosis	
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Gross Anatomy

Pelvis and Perineum

1.	Perineum including female external genitalia	Obstetrics and Gynaecology	Interactive sessions
2.	Ischio-rectal fossa	General Surgery	Interactive sessions
3.	Urinary bladder, ureter, seminal vesicles	Physiology General Surgery	Group Discussions
4.	Uterus, ovary, Fallopian tube	Obstetrics and Gynaecology	Group Discussions
5.	Prostate and urethra	General Surgery	Interactive sessions
6.	Rectum and anal canal	General Surgery	Interactive sessions
7.	Muscles, vessels and nerves of lesser pelvis	Obstetrics and Gynaecology	Group Discussions

February 2020 last week- 2nd Internal Assessment Examination.

III Quarter

March 2020

Systemic Histology

1	Pituitary and Thyroid glands	General Medicine	Group discussions
2	Eye – Cornea, retina, optic nerve	Ophthalmology	

Systemic Embryology

1	Development of head and neck – The Pharyngeal apparatus	General Surgery, ENT, Dentistry.	Group discussions
2	Development of face, nasal cavity, mouth, palate, pituitary gland		
3	Development of Tongue, Thyroid, Paranasal air sinuses, T.M Joint		
4	Development of organs of special senses – eye, ear		

Osteology

1	Skull as a whole, Norma Verticalis, Norma Occipitalis, Norma Frontalis, Norma Lateralis.	Orthopaedics	Group discussions
2	Cervical vertebrae		
3	Cranial fossae		
4	Orbit	Ophthalmology	

Gross Anatomy

Head and Neck

1	Introduction to head and neck - Scalp	General Surgery	Dissections, Demonstrations, Group discussions	
2	Face			
3	Posterior triangle			
4	Back and sub-occipital triangle			
5	Anterior triangles			
6	Removal of brain and Dural venous sinuses			
7	Pituitary gland and trigeminal ganglion			Ophthalmology
8	Orbit			General Medicine
9	Thyroid and Parathyroid glands			
10	Blood vessels of the neck			
11	9 th , 10 th and 11 th cranial nerves.			
12	Parotid region			
13	Lacrimal apparatus, eye lids	Ophthalmology	Group discussions	
14	Deep cervical fascia and Lymphatic drainage of head and neck.	General Surgery	Group discussions	
15	Trachea, Oesophagus, Pre-vertebral region.			

April 2020

Osteology

1	Mandible and Hyoid bone.		
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2	Norma basalis	Dentistry	Interactive sessions
3	Individual skull bones	Orthopaedics	
4	Foetal skull Surface and Radiographic anatomy of head and neck		

Gross Anatomy

Head and Neck

1	Temporal and infratemporal fossae	Dentistry	Dissections, Demonstrations
2	Temporo – mandibular joint and muscles of mastication.		
3	Sub – mandibular region		
4	Mouth, pharynx	ENT	Dissections, Group discussions
5	Palate, tonsils, auditory tube		
6	Nasal cavity, Paranasal air sinuses, pterygo-palatine fossa pterygo-palatine ganglion, maxillary nerve.	Dentistry ENT	Interactive Sessions
7	Tongue		
8	Larynx	ENT Anaesthesiology	Group discussions
9	Joints of Neck		
10	Ear	ENT Ophthalmology	Group discussions
11	Eye		

May 2020

Systemic Embryology

1. Development of nervous system

Systemic Histology

1. Nervous system

Neuroanatomy

1	Vertebral Canal, Spinal cord.	Physiology	Dissections, Demonstrations and Group discussions
2	Medulla oblongata		
3	Pons		
4	Midbrain	General Medicine	
5	Cerebellum		
6	Cerebrum		
7	Basal ganglia		
8	Ventricles of brain	Radio diagnosis	
9	Thalamus		
10	Hypothalamus and Limbic system		
11	Blood supply of Brain		
12	Autonomic nervous system		

13	Meninges and C.S.F circulation.		
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June 2020

Since some portions are Vast, the completion of classes may go upto (Both theory and practicals) June 15th 2020.

July 2020 – 1st week

III Internal assessment examination

August 2020

University examination