

Anatomical Considerations for Lab Practical II

For each of the following please be prepared to provide:

- Identification
- System
- Organ(s) or ducts to which it is attached
- Function(s)
- location

Use your lecture notes and text to guide you in the above. Note that anatomical landmarks will have no function.

Potential location considerations:

- Body cavity
- Mediastinum
- Retroperitoneal vs Intraperitoneal

Know what major organs within the:

- Nine Abdominopelvic Regions
- Four Abdominal Quadrants

Always be *specific* in your preparations and answers.

There may be an Extra Credit Illustration: Ask the professor if this is an option. Organ and region diagram would be done during “downtime” during lab practical. This will be for extra credit.

Lymphatic System

- Right Lymphatic Duct and Thoracic Duct
- Spleen
- Lymph Nodes: Inguinal, Axillary Cervical, Respiratory, ETC
- Tonsils: Pharyngeal, Lingual, Palatine

Respiratory System

Nasal Cavity

- External and Internal Nares
- Superior, Middle, and Inferior Conchae
- Superior, Middle, and Inferior Meatus

- Paranasal Sinus: Frontal, Ethmoid, Sphenoid, Maxillary
- Bones of Nasal Cavity: Vomer, Perpendicular Plate of Ethmoid, Frontal, Maxilla ETC
- Olfactory Epithelia

Pharynx and associated issues

- Pharyngeal Regions: Nasopharynx, Oropharynx, Laryngopharynx
- Orifice to Eustachian Tube
- Tonsils: Pharyngeal, Lingual, Palatine
- Hard Palate, Soft Palate and Uvula

Larynx and Associated Structures

- Cartilages: Thyroid, Arytenoid, Cricoid
- Hyoid Bone
- Glottis and Epiglottis
- Vocal Folds

Upper Respiratory Tract

- External and Internal Nares
- Superior, Middle, and Inferior Conchae
- Superior, Middle, and Inferior Meatus
- Paranasal Sinus: Frontal, Ethmoid, Sphenoid, Maxillary
- Bones of Nasal Cavity: Vomer, Perpendicular Plate of Ethmoid, Frontal, Maxilla ETC

Lower Respiratory Tract

- Trachea and Tracheal Rings
- Bronchi: Primary, Secondary, Tertiary
- Lungs, Lobes of Lungs, Bronchopulmonary Segments
- Pleura: Visceral and Parietal
- Cardiac Notch
- Regions: Base and Apex

Structures Involved with Ventilation

- Musculature: External and Internal Intercostals
Abdominal Muscles, Diaphragm, and Central Tendon

Digestive System

Oral Cavity

- Oral Cavity and Buccal Cavity
- Tongue Regions: Oral, Pharyngeal
- Hard Palate bones: Horizontal plate of Palatine bone, palatine process of maxilla
- Fauces
- Teeth: Incisors, Canines, Molars
- Hard Palate, Soft Palate and Uvula
- Salivary Glands: Parotid (and duct), Submandibular, Sublingual

Pharynx and associated issues

- Pharyngeal Regions: Oropharynx, Laryngopharynx
- Orifice to Eustachian Tube
- Epiglottis
- Tonsils: Pharyngeal, Lingual, Palatine
- Hard Palate, Soft Palate and Uvula

Oesophagus (Esophagus)

- Esophagus and Lower Esophageal Sphincter

Stomach

- Regions: Body, Cardiac Region, Fundus, greater curvature and lesser curvature, pylorus
- Sphincters: Pyloric Sphincter and Lower Esophageal Sphincter
- Rugae
- Musculature: circular, longitudinal, and oblique

Small Intestine

- Major Organs: Duodenum, Jejunum, Ilium
- Sphincters: Pyloric and Ileocecal
- Plicae Circulares
- Minor and Major Duodenal Papilla

Pancreas

- Regions: Head, Body, and Tail
- Ducts: Main Pancreatic and Accessory Ducts

Gall Bladder and associated Ducts

- Ducts: Cystic duct, left and right hepatic Duct, Common Hepatic Duct, Common Bile Duct.

Liver

- Lobes and Regions: Left Liver, Right Liver, Caudate Lobe, quadrate lobe
- Ducts Left and right hepatic Duct, Common Hepatic Duct, Common Bile Duct.
- Falciform Ligament

Peritoneal Cavity

- Membranes: Visceral peritoneum, Parietal peritoneum, Mesentery

Large Intestine:

- Regions: Ascending, Transverse, Descending, Sigmoid Colon, Cecum
- Associated Structures: Haustra, Vermiform Appendix

Rectum

- Internal and External Anal Sphincters

Urinary System

Kidneys

- Renal Capsule
- Regions: Renal Cortex and Medulla
- Renal Pyramids and Columns
- Renal Papilla
- Conducting Portion: Minor and Major Calyx, Renal Pelvis, Ureter

Urinary Bladder and Associated Structures

- Fundus, and Rugae
- Urethra
- Ureter