

Cadaviz V1.1.x Updates

What's New?

- **Histopathology**
 - Addition of 15 slides with labels and complete addition of comparative histology slides
 - BRONCHIECTASIS
 - Embryonal Carcinoma Testis
 - NEURILEMMOMA
 - Renal Infarction
 - Meningothelial Meningioma
 - Infarction Spleen
 - Granulation tissue
 - Fat Necrosis
 - Chronic Venous Congestion Lung
 - Benign Enlargement of Prostate
 - Osteoblastic osteosarcoma
 - Papillary renal cell carcinoma
 - Papillary carcinoma of thyroid
 - Squamous Cell Carcinoma Cervix
 - Cervical Cancer

- **Physiology**
 - **Gastro**
 - SECRETION OF GASTRIC JUICES
 1. Phases of Secretion of Gastric Juice and their Regulation – Interdigestive Phase
 2. Pavlov's Experiment – Overview
 3. Pavlov's Experiment – Demonstration of Cephalic Phase
 4. Pavlov's Experiment – Demonstration of Gastric Phase
 5. Applied Physiology: Peptic Ulcer Disease – Overview
 6. Applied Physiology: Peptic Ulcer Disease – Etiology
 7. Applied Physiology: Peptic Ulcer Disease – Helicobacter Pylori Associated PUD
 8. Applied Physiology: Peptic Ulcer Disease – NSAID Associated PUD
 9. Applied Physiology: Peptic Ulcer Disease – Pathophysiology
 10. Applied Physiology: Peptic Ulcer Disease – Clinical Features
 11. Applied Physiology: Peptic Ulcer Disease – Investigations
 12. Applied Physiology: Peptic Ulcer Disease – Medical Management
 13. Applied Physiology: Peptic Ulcer Disease – Surgical Management

 - **Respiratory**
 - MECHANICS OF RESPIRATION
 1. FEV1: FVC Ratio
 2. Significance of Spirometry
 3. Measurement of Residual Volume
 4. Helium Dilution Technique

5. Surface Tension in Alveoli: The Fluid-Air Interface in The Alveoli
6. Surface Tension and Compliance
7. Measure Of Surface Tension
8. Role of Surfactant
9. Functions of Surfactant
10. Factors Affecting the Production of Surfactant
11. Neonatal Respiratory Distress Syndrome (Hyaline Membrane Disease)
12. Compliance: Definition
13. Significance of Compliance
14. Compliance Diagram
15. Hysteresis
16. Dynamic Compliance
17. Specific Compliance
18. Airway Resistance – Definition
19. Airflow in the Lungs
20. Resistance to Airflow
21. Calculating the Airway Resistance
22. Flow Volume Loop

○ **Neuro**

■ FUNCTION AND PROPERTIES OF SYNAPSE

1. Synaptic Inhibition – Feedback Inhibition
2. Synaptic Inhibition – Feedforward Inhibition

● **Radiology**

○ Diagnosis

- Yolk sac tumor
- Vasculitis
- Venous Thoracic Outlet Syndrome
- Annular Pancreas
- Type 2 Lissencephaly of Walker Warburg Syndrome
- Blighted ovum
- Aspiration of breast cyst
- Tarlov cyst
- Testicular fracture
- Type 3 Dens Fracture
- Sheehan's syndrome
- Ramsay Hunt syndrome
- Sturge Weber syndrome
- Raynaud's disease
- Retained Acupuncture needles
- Renal Oncocytoma
- Renal Duplicity (Duplication)
- Replaced Right Hepatic artery
- Pacemaker Lead Fracture
- Penetrating Eye Injury
- Penetrating Trauma from GSW
- Psoas Abscess

- Pulmonary Artery Pseudoaneurysm
- Orbit Blowout Fracture
- Atelectasis
- Pneumonia
- Rocker-Bottom Deformity (Congenital Vertical Talus)
- Eagle syndrome
- Ebstein Anomaly
- Empty Sella syndrome
- Enchondromatosis
- Enchondroma with pathologic fracture
- H-type tracheoesophageal Fistula
- Hangman's Fracture
- Hampton's Hump
- Intussusception
- IVC Filter Migration
- Ivory Vertebral Body
- Jones Fracture
- ARTIFACTS
 - Static Artifact
 - Partial Ring Artifact
 - Motion Artifact mimicking SDH
 - Ring Artifact
 - Magnetic Susceptibility Artifact
 - Aliasing Artifact
 - Slice-overlap Artifact
 - Hair Artifact
 - Moiré fringe
- **OSPE**
 - 50+ case studies
 - Upper Limb
 - Lymphedema of the arm
 - Winging of scapula
 - Sprengel's deformity
 - Clavicle Fracture
 - Poland anomaly
 - Shoulder dislocation
 - Greenstick fracture
 - Lower Limb
 - Sciatica
 - Thorax
 - Aberrant Right Subclavian Artery (ARSA)
 - Aortic Aneurysm
 - Broken heart syndrome

- Cardiac Tamponade
- Coarctation of Aorta
- Double Aortic Arch
- Flail chest
- Funnel chest
- Patent ductus Arteriosus
- Pigeon chest
- Pericardial effusion
- Pericarditis
- Pulmonary embolism
- Rib Fractures
- Superior vena cava syndrome
- Asthma
- Bronchitis
- Gynaecomastia
- Pleuritis
- Atelectasis
- Breast Cancer
- Inverted or crater nipple
- Pneumonia
- Amastia
- Athelia
- Polythelia
- Polymastia
- Micromastia
- Macromastia

- Abdomen and Pelvis
 - Meckel's diverticulum
 - Epigastric Hernia
 - Inguinal Hernia
 - Internal hernia
 - Oesophagitis
 - Gastritis
 - Appendicitis
 - Ectopic liver
 - Cholecystitis
 - Chronic Kidney disease
 - Intestinal Obstruction/Small Bowel Obstruction
 - Liver Abscess
 - Nephroptosis
 - Ovarian cyst
 - Pancreatitis
 - Spondylothesis
 - Hepatitis B

- **Prosection**
 - New Additions
 - Arteries_of_Heart

- External_surfaces_of_heart
- Interior_of_heart
- Valves_of_heart
- Venous_drainage_of_heart

- **Dissection**
 - Layers of Scalp
 - Parotid region
 - Muscular Triangle of Neck
 - Posterior Triangle of Neck
 - Pectoral region
 - Anterior Aspect of Arm
 - Posterior Aspect of arm
 - Cubital fossa
 - Flexor compartment of forearm
 - Extensor Compartment of Forearm
 - Palm
 - Dorsum of Hand
 - Anterior abdominal wall
 - Gluteal Region new
 - Femoral triangle
 - Anterior Compartment of Thigh
 - Posterior Compartment of Thigh
 - Popliteal Fossa
 - Lateral Compartment of Leg

What's Updated?

- Gross
 - Female Gross Model update with materials and missing body parts
 - Surface Anatomy of Male
 - Surface Anatomy of Female with differential markings
 - Incision lines update on Male and Female models
 - Comparative sections separate from gross models
 - Updated Heart Model in Gross Male and Female Models

- Regional
 - Female Model update with new visual fixes

- Embryology
 - General Embryology
 - Development Week 3 – 8
 1. The embryonic period
 2. Ectodermal derivatives-neurulation
 3. Mesodermal derivatives
 4. Derivatives of the paraxial mesoderm
 5. Molecular mechanism of somite formation and differentiation
 6. Intermediate and lateral plate mesoderm
 7. Formation of the blood and blood vessels

8. Derivatives of the endodermal germ layer
9. External appearance of the embryo during the second month

- Radiology
 - Updated markings in all applied slides
- DICOM
 - Fixing the functional issues and load data for all 3 planes
 - UI fixes