

## Unit 31:

# Retroperitoneum and posterior abdominal wall

### GENERAL OBJECTIVES:

- general considerations of the organization of the posterior abdominal wall (muscles & fascia)
- vessels and nerves in retroperitoneum
- review of the anatomy of upper urinary system

### SPECIFIC OBJECTIVES:

## 1. Posterior Abdominal Wall

Lumbar Vertebrae & Intervertebral Discs (see Back)

Fascia Lumbar - Anterior, Middle & Posterior Layers

Fascia Iliaca & Fascia Psoas

Muscles Psoas Major, Psoas Minor

Quadratus Lumborum

Iliacus

Nerves Subcostal

**Lumbar Plexus (Ventral Rami of L:1,2,3 & 4)**

*Femoral & Obturator Nerves. Other Branches*

*Lumbosacral Trunk (from Ventral Rami L:4 & 5)*

Vessels Subcostal, Lumbar Arteries (-> branches to Spinal Cord)

Subcostal, Lumbar and Ascending Lumbar veins

## 2. Urinary System

### **Kidneys**

*Position, Key Relations (of Right & of Left)*

*Parts: Poles, Surfaces, Borders, Hilus (& Sinus) Contents*

*Renal Fascia & Perinephric Fat*

*Structure -> Capsule, Cortex & Medulla, Pelvis & Calyces*

*Arteries & Veins, Vascular Segments, Lymphatics & Nerves*

### **Ureters (Abdominal Part)**

*Origin & Course, Key Relations (of Right & of Left)*

*Constrictions (of Lumen). Vessels & Nerves*

### Suprarenal Glands

*Position, Shape, Key Relations, (of Right & of Left), Structure (Cortex and Medulla)*

*Vessels & Nerves*