Unit 27:

Abdominal wall and inguinal canal

Chapter 2 (Abdomen): (p. 183-216)

GENERAL OBJECTIVES:

- general considerations of the organization of abdominal walls
- descensus of testis and inguinal canal

SPECIFIC OBJECTIVES:

1. **Anterolateral Abdominal Wall**

Layers (Skin---> Parietal Peritoneum)
Superficial Fascia: Fatty Layer ("Camper's"), Membranous Layer ("Scarpa's")

Muscles	External Oblique	
	Internal Oblique	
	Transversus Abdominis	
	Rectus Abdominis, Pyrimidalis	
Rectus Sheath	Layers (Ant. & Post.), Contents, Linea Alba	
Fascia Transversalis		
Umbilicus	Ligaments:	Ligamentum Teres (Obliterated Umbilical Vein)
		Medial Umbilical Ligs (Obliterated Umbilical Arteries)
		Median Umbilical Lig. (Obliterated Urachus)
Nerves	Lower 5 Intercostal, Subcostal (ie. T:7-T:12)	
	Iliohypogastric & Ilioinguinal (ie. L:1)	
Arteries	Superior & Inferior Epigastric *(-> Anastomosis between Subclavian & External Iliac)*	
	Others (Intercostals, Branches of Ext. Iliac & Femoral)	
Veins	Lateral Thoracic, Tributaries of Great Saphenous	
	(-> *Communications between Sup. & Inf. Vena Cava)*	
Lymphatics	Superficial (-> *Umbilicus as "Watershed" Area)*	

2. **Inguinal Canal**

	Superficial & Deep Rings	
	Walls:	*Ant. & Post., Roof & Floor*
	Contents:	*Spermatic Cord (Male).* Round Lig. Of Uterus (Female)
		Ilioinguinal Nerve

Scrotum, Testis and Spermatic Cord
Layers of Scrotum (& Coverings of Testis)
Tunica Vaginalis Testis(Parietal & Visceral Layers)
Testis & Epididymis (Head, Body & Tail)
Nerves, Arteries, Veins & Lymphatics of Scrotum & Testis
Spermatic Cord:
Coverings (3)

Contents:	*Ductus Deferens, Processus Vaginalis (Remnant)*
	Arteries, Veins (Pampiniform Plexus) Lymphatics, Nerves