Unit 17: Eye, orbit, orbital region and eyeball

GENERAL OBJECTIVES:

- general considerations of the organization of various structures in the orbit
- principles of the organization of the eyeball -
- structure and function of supporting apparatus of the eyeball -
- irrigation and innervations of the orbit (walls and content) -

SPECIFIC OBJECTIVES:

1.

. Orbital Cav	ity
Walls: Medial	l, Lateral, Apex & Base (Orbital Margin)
Contents:	
Orbital Pe	riosteum, Orbital Fat.
Fascial Sheath of Eyeball -> Check Ligaments, Suspensory Ligament	
Eyeball:	(Fibrous & Vascular Coats)
	(Retinal Coat, Refractive Media)
Muscles:	Levator Palpebrae Superioris
	4 Rectus Muscles: Sup., Inf., Med., Lat.
	2 Oblique Muscles: Superior, Inferior
	Attachments, Common Tendinous Ring of Origin of Recti
	Actions
Nerves:	II (Optic Nerve) -> Optic Disc on Retina
	III (Superior & Inferior Divisions), IV, VI
	V'(Ophthalmic Division): Lacrimal
	Frontal (& Branches)
	Nasociliary
	Branches
	Ciliary Ganglion (Parasympathetic) -> Short Ciliary Nerves
	Sympathetics (Plexus along Ophthalmic Artery)
Arteries:	Ophthalmic
	Branches: Central Artery of Retina
	Others
Veins:	Ophthalmic - Superior & Inferior, Central Retinal
Lacrimal C	Gland - Deep (Orbital) Lobe
	Loginal Annoustur
. Evenus and	Lacrimal Apparatus

2. Eyelids and Lacrimal Apparatus

	Eyelids:	Tarsal Plates (Upper & Lower) Palpebral ligs. (Med. & Lat)
		Orbital Septum (Palpebral Fascia)
	Muscles:	Lev. Palp. Superioris -> Superior Tarsal Muscle
		Orbicularis Oculi (Palpebral Part)
Lacrimal Apparatus:		
		Lacrimal Gland & Ductules, Conjunctiva
		Lacrimal Canaliculi, Sac, Nasolacrimal Duct