

SCLERA

- Definition
- Layers
- Blood
- Nerve
- Function

①
✓

Definition :

Dense fibrous collagenous structure
comprise posterior 5th-6th of eye.

Layers :

Episclera

Sclera

Lamina Fusca.

Blood-Supply :

Episcleral + choroidal vascular network.

Nerve:

Post-short ciliary nerve

Ant - Long ciliary nerve.

Function:

Tough protective coat

Rigidity and shape of eye-ball.

Read

Scleritis



Episcleritis

Inflammatory disease
of sclera

Self-inflammatory disease
of epi-sclera

∴ Causes :-

	Rheumatoid arthritis	Rheumatoid arthritis	
	SLE	Idiopathic	
R	W.A	Wegner granulomatosis	R.A
S	G.A	PAN	T.B
S	T.B	sarcoidosis	*
S	H.Z	Giant cell arteritis	*
	Syphillis	TB	I
	TB	syphillis.	G
	Herpes zoster		

∴ Clinical Features :-

- Symptoms :->
 - Female 20-50 yrs
 - Redness of eye
 - Pricking sensation
 - Hotness.

- Sign :->
 - Salmon pink lesion
 - lesion move e cotton
dipped applicator
over deep tissue.

-: Investigation :-

CBC

Topical phenylphrine

ESR

(2.5%)

Urine analysis

serological Test

RA factor

ANA

Antids DNA antibody

Ultrasoundography

CT-scan

-: Treatment :-

Topical steroids

Artificial Tear

Non-steroidal anti-inflammatory ^{Drugs}

Topical Vax. constrictor

Systemic steroids

Topical steroids

Immuno-suppressive

Topical NSAIDs

Sub-conjunctival steroid inj

oral NSAIDs

↓
Naproxen etc

-: Difference :-

Gradual onset

Sudden onset

Severe pain

No pain

Non-movable lesion

Moveable

Affected Vision

Unaffected

Require Rx

Not Req. Rx

Vessel can't blanch

Blanch vessels.

↓
phenylphrine Test.

✓

④

Type of scleritis :

Anterior scleritis :->

Non-necrotizing

↓
Diffuse

Nodular

Necrotizing

↓
With inflammation

Without inflammation.

Posterior-scleritis->

Q. Female ē Rheumatoid arthritis pain redness, Focular nodular swelling on sclera that didn't vanish ē phenylphrine eye drops?

Diagnosis :- Anterior scleritis - Non-necrotizing

R_x :- nodular.

Complication

D/Diagnosis

Stromal Keratitis

Conjunctivitis

Sclero-Keratitis

epi Scleritis.

Marginal Keratolysis

Glucoma

Ant. Uveitis

Cataract

Staphy loma .