EPISCLERITIS AND SCLERITIS

1. Episcleritis

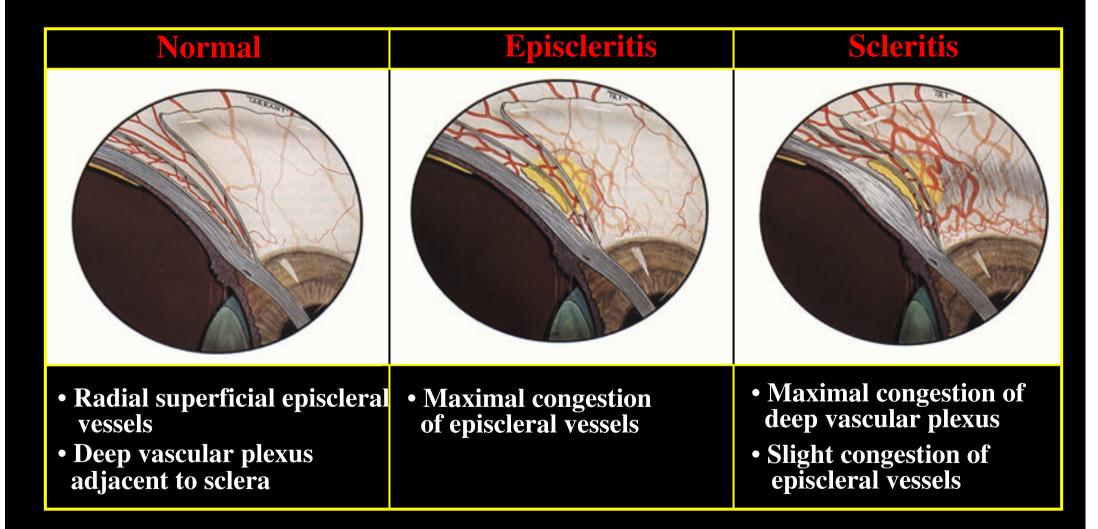
- Simple
- Nodular

2. Anterior scleritis

- Non-necrotizing diffuse
- Non-necrotizing nodular
- Necrotizing with inflammation
- Necrotizing without inflammation (scleromalacia perforans)

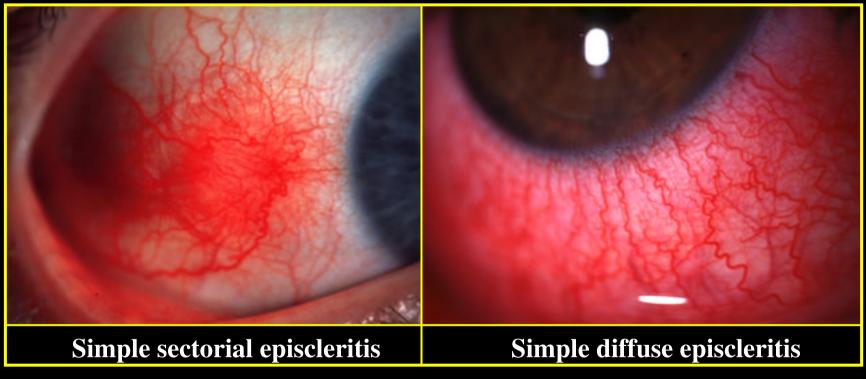
3. Posterior scleritis

Applied anatomy of vascular coats



Simple episcleritis

- Common, benign, self-limiting but frequently recurrent
- Typically affects young adults
- Seldom associated with a systemic disorder

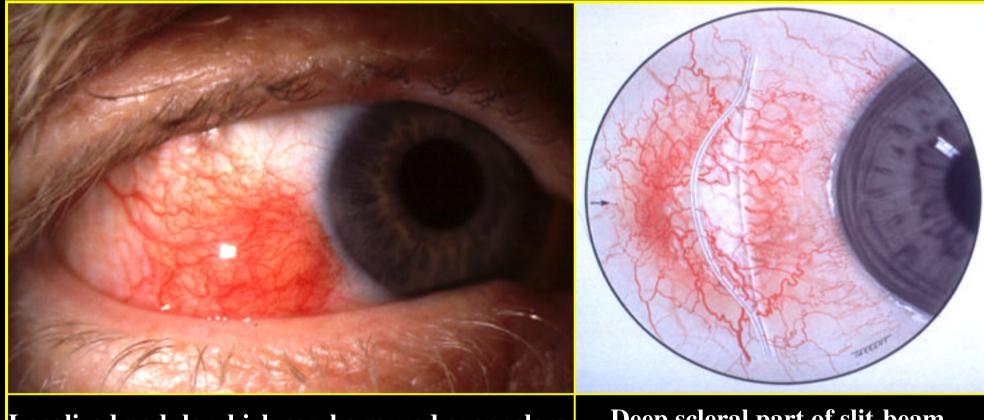


Treatment

- Topical steroids
- Systemic flurbiprofen (00 mg tid if unresponsive

Nodular episcleritis

- Less common than simple episcleritis
- May take longer to resolve
- Treatment similar to simple episcleritis



Localized nodule which can be moved over sclera

Deep scleral part of slit-beam not displaced

Causes and Systemic Associations of Scleritis

1. Rheumatoid arthritis

2. Connective tissue disorders

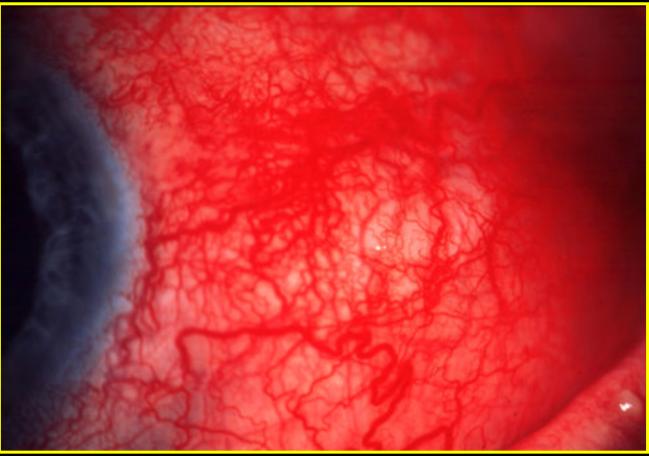
- Wegener granulomatosis
- Polyteritis nodosa
- Systemic lupus erythematosus

3. Miscellaneous

- Relapsing polychondritis
- Herpes zoster ophthalmicus
- Surgically induced

Diffuse anterior non-necrotizing scleritis

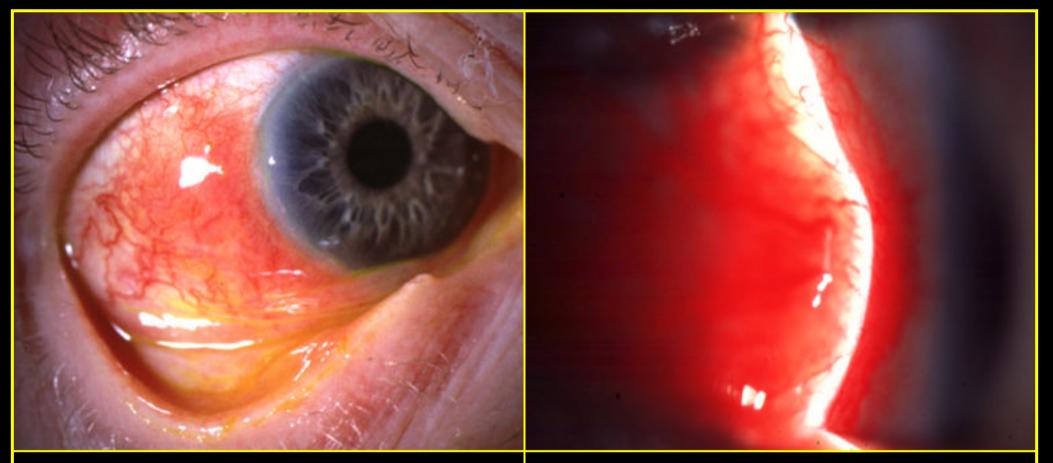
- Relatively benign does not progress to necrosis
- Widespread scleral and episcleral injection



Treatment

- Oral NSAIDs
- Oral steroids if unresponsive

Nodular anterior non-necrotizing scleritis More serious than diffuse scleritis



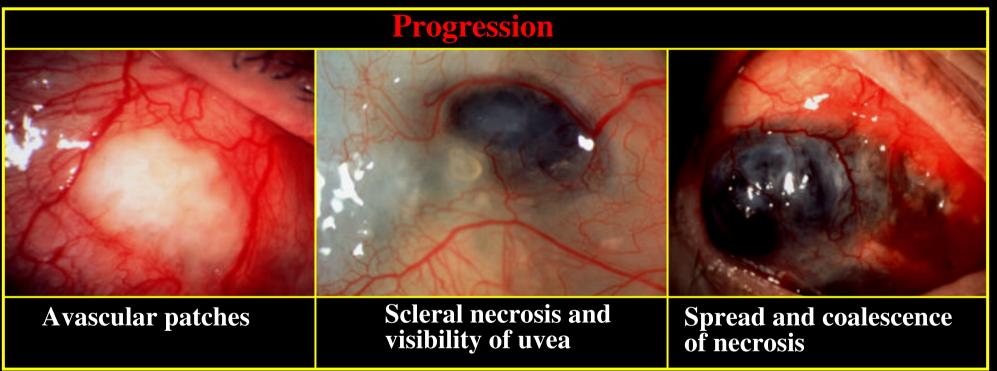
On cursory examination resembles nodular episcleritis

Scleral nodule cannot be moved over underlying tissue

Treatment - similar to diffuse non-necrotizing scleritis

Anterior necrotizing scleritis with inflammation

- Painful and most severe type
- Complications uveitis, keratitis, cataract and glaucoma

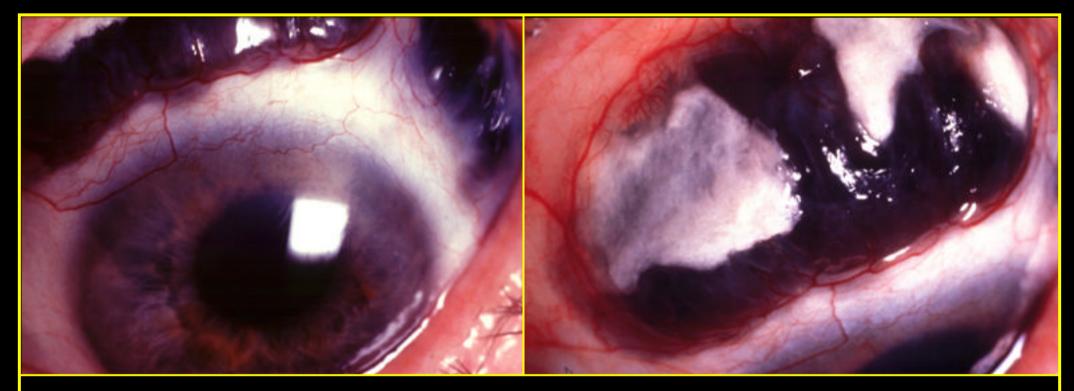


Treatment

- Oral steroids
- Immunosuppressive agents (cyclophosphamide, azathioprine, cyclosporin)
- Combined intravenous steroids and cyclophosphamide if unresponsive

Anterior necrotizing scleritis with inflammation (scleromalacia perforans)

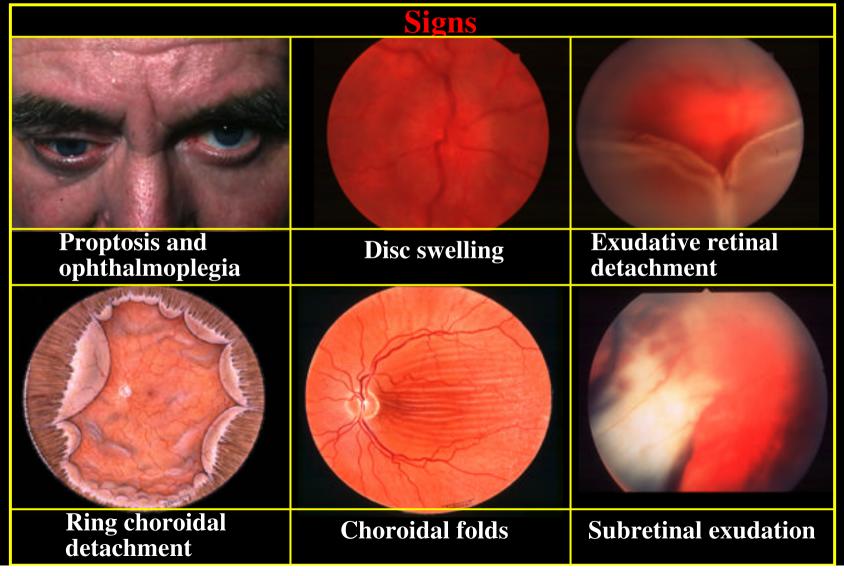
- Associated with rheumatoid arthritis
- Asymptomatic and untreatable



Progressive scleral thinning with exposure of underlying uvea

Posterior scleritis

- About 20% of all cases of scleritis
- About 30% of patients have systemic disease
- Treatment similar to necrotizing scleritis with inflammation



Imaging in posterior scleritis

