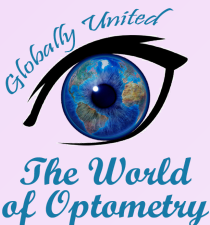
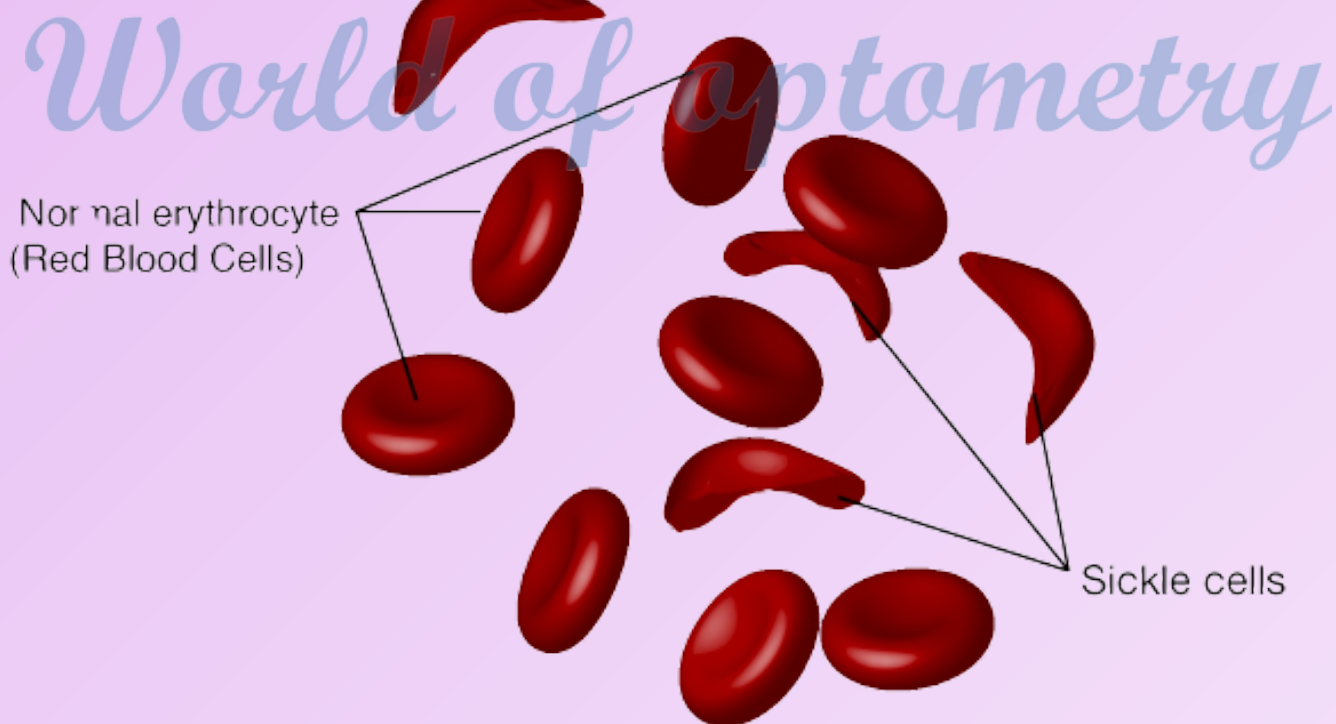


# TWOP Discussion

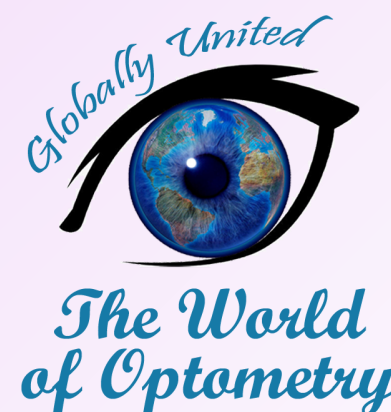
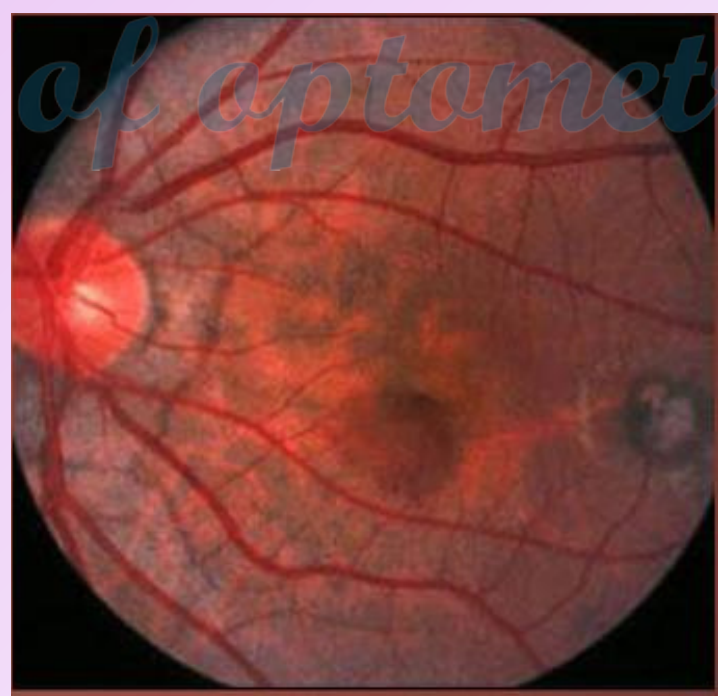
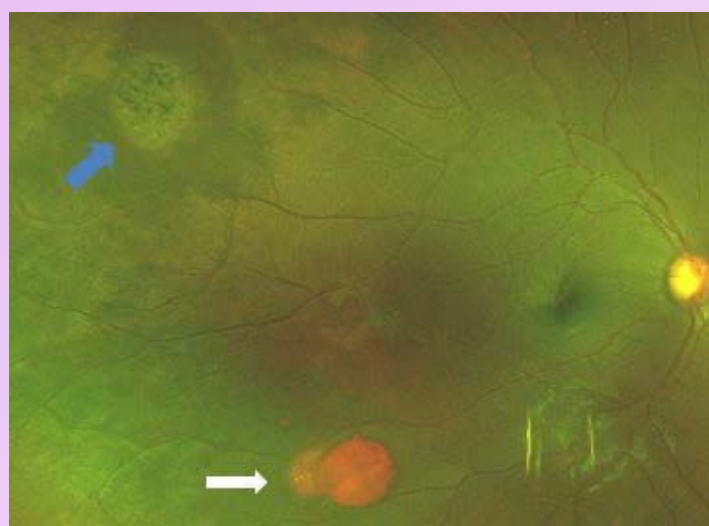
## SICKLE CELL DISEASE



#TwopDiscussion

# INTRODUCTION

**Sickle Cell Disease** is a group of disorders that affects the Shape of the **hemoglobin** (a molecule which carries oxygen) into a **sickle or crescent** in the blood. Such cells trap in blood vessels, block blood flow.

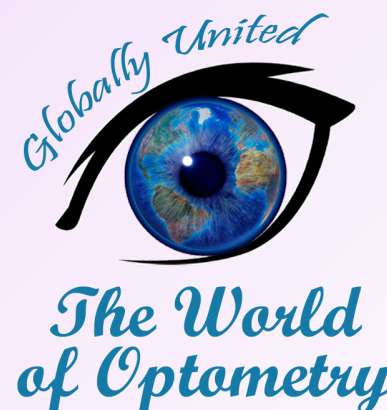
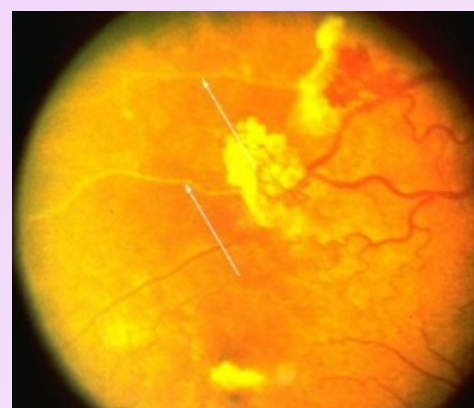
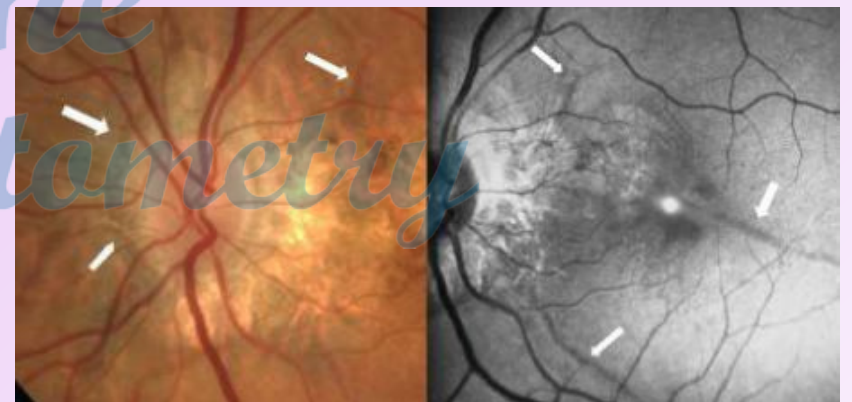


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# OCULAR MANIFESTATIONS IN SICKLE CELL DISEASE:

These result from the blockage of blood vessels in **Conjunctiva, Iris, Choroid and Retina.**

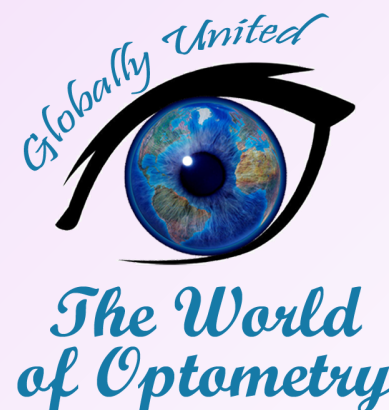
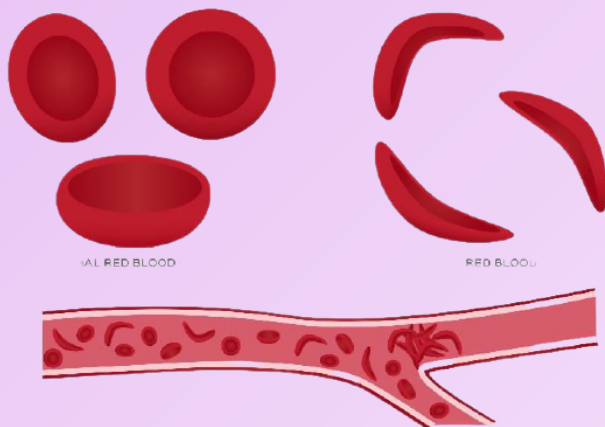
- Eyelid edema, Proptosis
- Segmented Conjunctival Blood Vessels
- Segmented Ischemic Iris Atrophy/Neovascularization
- Vitreous Hemorrhages
- Retinal Blood Vessels Occlusion
- Sickle-cell Retinopathy
- Retinal Detachment
- Chorioretinal infarctions



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# INCIDENCE AND PREVALENCE

**Incidence and Prevalence** rates of Ocular Complications increase with age. It is recommended that all patients with **Sickle Cell Disease** should undergo periodic Ophthalmological Screening, as early detection of the complications & timely management prevent Vision Loss.



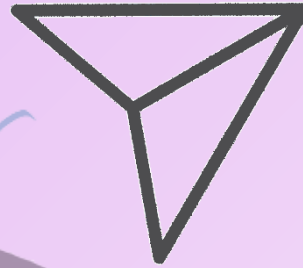
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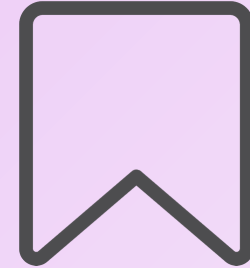
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