

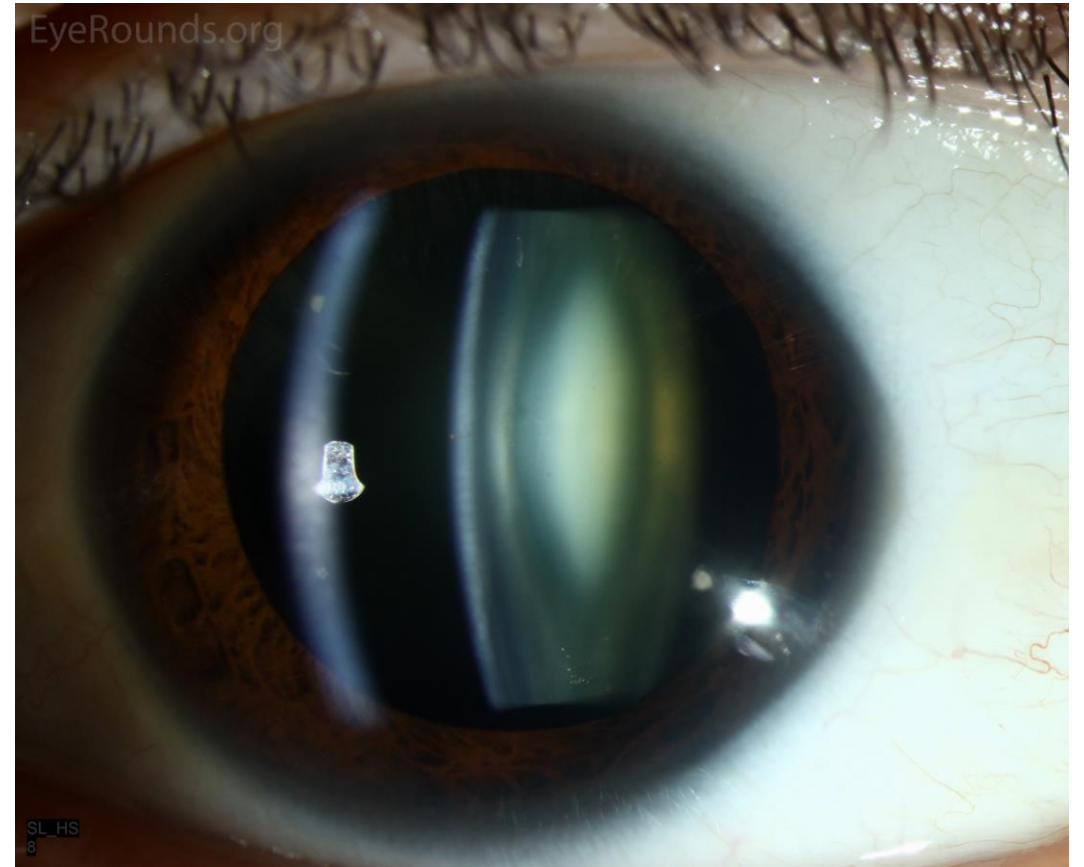
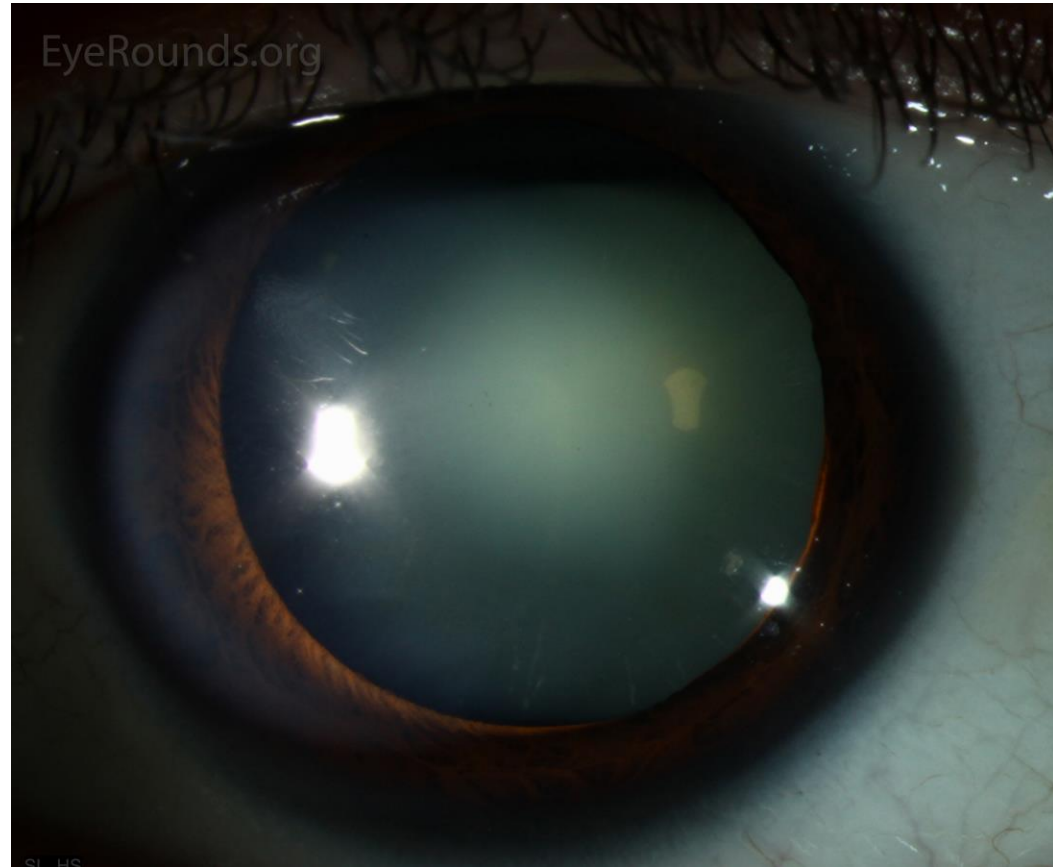
In the name of Allah
Cataract
layman explanation

لا يغني عن الكتاب

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Nuclear Sclerotic cataracts

- Normal due to aging



Cortical cataract

- Radial pattern
- Lens becomes swollen due to increase water uptake
- Therefore: increase the risk of **closed glaucoma**.
- Management: **prophylactic iridotomy**



Hypermature cataract

- Opacification of both cortex and nucleus

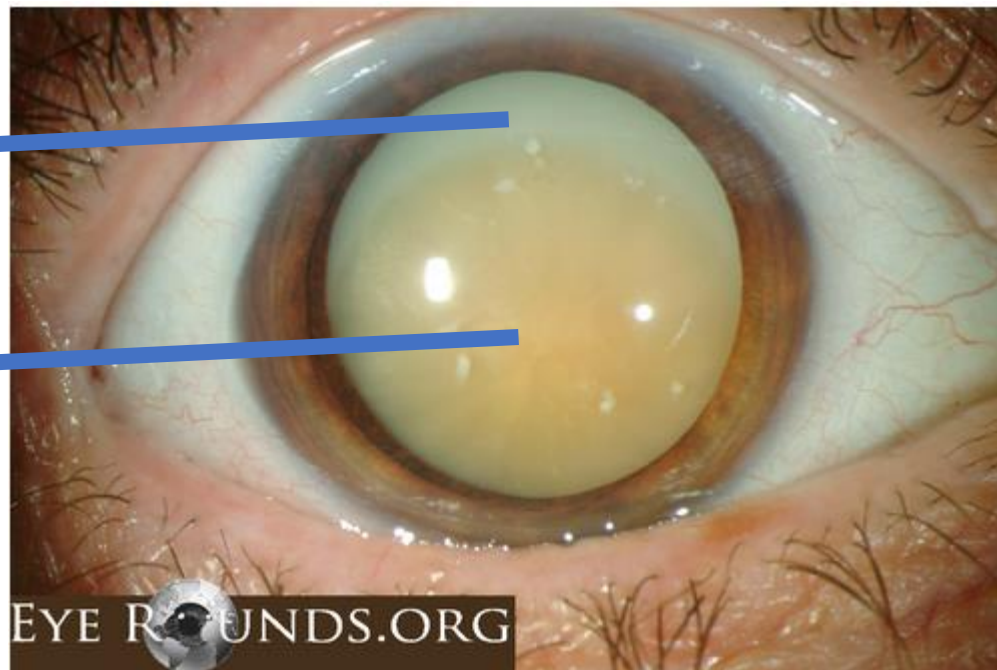


Morgagnian Cataract

- Etiology:
- Originally, it's a hyper mature cataract.
- Its cortical proteins became liquid.
- Therefore, the nucleus sink downward due to gravity.

Liquified cortex

Sunken nucleus



Posterior Subcapsular Cataract

- Symptoms: glare and reduced vision under bright light condition.
- External examination: normal eyes.
- Common cause: steroid use (systematic or local).



Case: Patient with Keratoconjunctivitis. Been using topical steroid for X years.
Possible diagnosis: PSC

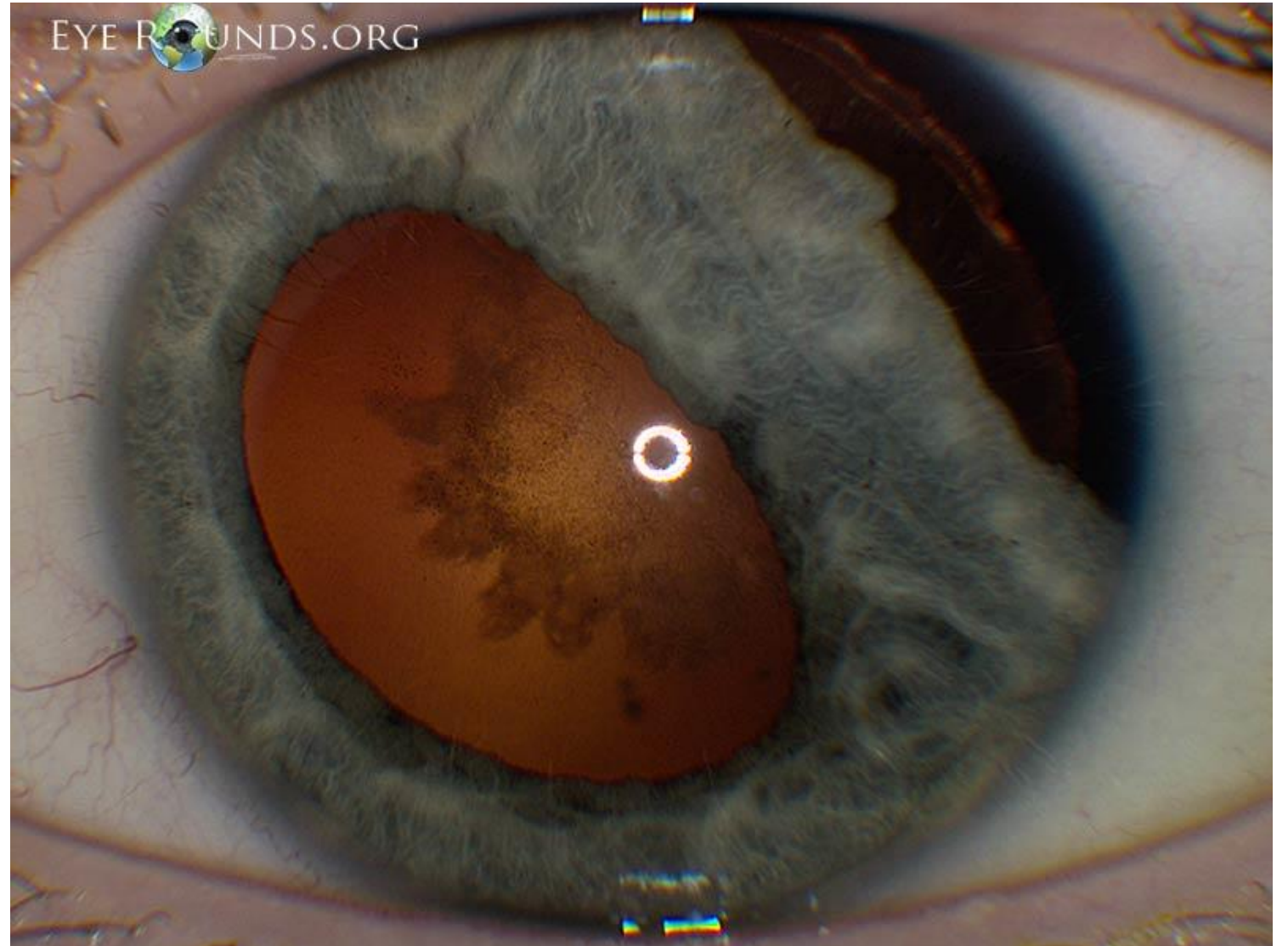
Congenital cataract

- Associated with Rubella infection during birth.
- Risk: amblyopia.



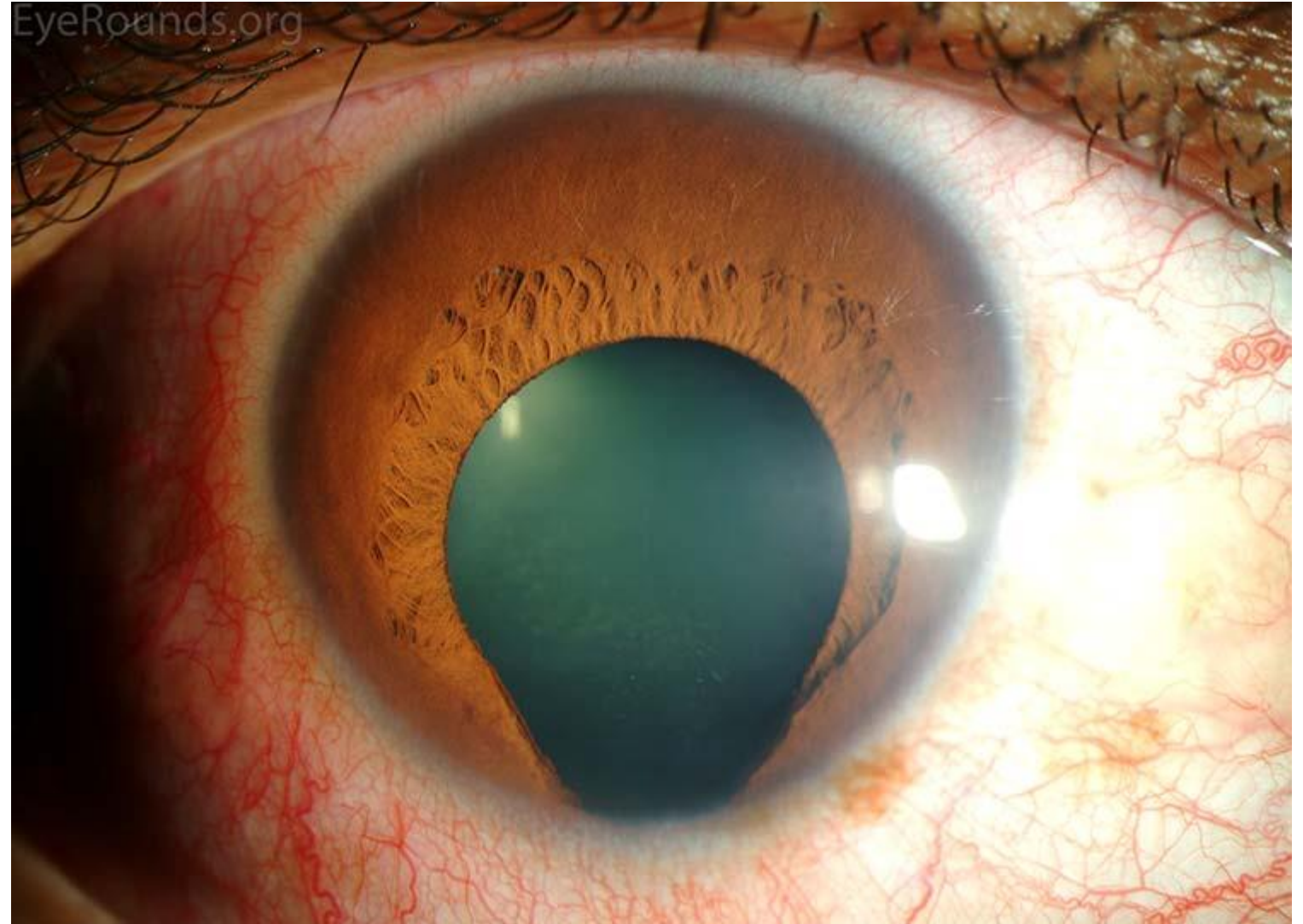
Iridodialysis with cataract

- Cataract secondary to globe trauma.
- Iridodialysis: detachment of iris from ciliary body
- Symptoms:
Diplopia if monocular
photophobia



Coloboma –not required-

- Keyhole pupil due to failure
- A congenital defect.



Iridocyclitis

- Fancy name for anterior uveitis with vitreous inflammation.
- May cause posterior or anterior synechia
- Anterior synechia: iris adheres to cornea
- **Posterior synechia: iris adheres to lens**



Case

What's your diagnosis: posterior synechia

Causes: iridocyclitis, iritis

Risks: Glaucoma and increase intraocular pressure.

Cataract surgeries –not all-

- 1- Extracapsular cataract extraction (ECE). adults
- 2- phacoemulsification: most common. Modified ECE
- 3- Irrigation aspiration: **young children until the age of 40.**
- 4- Phacofragmenation: for dislocated lens

Terms

- Phakic : real lens
- aphakic : no lens
- psuedophakic : implanted lens

إِن أُصِيبْنَا فَمِنَ اللَّهِ وَإِنِ أَخْطَأْنَا فَمِنَ أَنْفُسِنَا وَمِنَ الشَّيْطَانِ