## History

An Afro-Caribbean woman, aged 30, with "scleral tattooing" for cosmetic reasons (subconjunctival dye injection), presented with bilateral upper and lower eyelid oedema for one week, and she also had restricted eye movement and blurry vision in her right eye.

- She has no other past medical history.
- On examination, firm masses were felt medially on the right upper lid, there was bilateral upper and lower lid oedema, and the conjunctiva was thickened. The right eye had restriction of depression, elevation, abduction, and adduction and the patient reported diplopia.
- There were no intraocular inflammation or fundal abnormalities present. According to a systemic inspection, nodular lesions were detected on multiple tattoos.
- Conjunctival biopsies were performed and sent for ophthalmic pathology assessment.


## Questions

1. Figure 1 shows a representative $\mathrm{H}+\mathrm{E}$ section of the lesion. How can this be described?
2. What is the pathophysiology of granuloma formation?
3. What are the differentials diagnoses?


Figure 1






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