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SJƏMSUY

- nodular areas, and the irregularity of collagen fibres elsewhere. the slightly thickened subepithelial basement membrane, the layer is absent (Figures 1 and 2). DPAS staining highlights nodular areas of hyalinised, condensed collagen. Bowman's anterior stroma. The epithelium is markedly attenuated over J. The specimen comprises corneal epithelium with superficial
- nodular degeneration (SND). 2. The clinical and histological teatures are those of Salzmann's

trachoma); post-corneal surgery or trauma, or can be idiopathic. keratoconjunctivitis, interstitial keratitis, phlyctenular keratitis, mainly seen as a late complication of chronic keratitis (vernal bilateral. Although the pathogenesis is poorly understood, it is and in the fifth decade of life. Around two-thirds of cases are mid to peripheral cornea. It occurs more commonly in women characterised by grey-white nodules occurring classically in the SUD IS a rare, slowly progressive degenerative condition



left 6/9 aided. Slit-lamp examination of the right eye found

hospital with right decreased visual acuity, glare, and foreign body sensation, in addition to longer-term dry eyes. She was otherwise well. Her past medical history included hypertension. On examination: vision in the right eye was 6/24 and in the

A 76-year-old female presented at her local district general

History

PATHOLOGY OUIZ



Juestions

keratoplasty may be required.

Nodules from the right cornea were excised and sent to our

1. Figures 1-3 show representative H+E and diastaseperiodic acid Schiff (DPAS) stained sections of the

3. In what other conditions can these histological

2. Considering the clinicopathological features, what is the

excimer laser keratectomy, alcohol delamination, or lamellar

is visual loss then, options include: superficial keratectomy,

4. Management involves identification and treatment of the

paracentral cornea or at the edge of a corneal scar.

with / without bandage contact lens is usually sufficient. If there

underlying keratitis. Conservative management with lubricants

can be present in degenerative pannus or old corneal scars.

eosinophilic hyalinised collagen nodules. Similar appearances

at the level of Bowman's layer with attenuated epithelium over 3. The histological features of SND show localised degeneration

examination and reveals discrete grey-white nodules in the

presenting symptoms are reduced visual acuity and pain (if

Most patients are asymptomatic, but the most common

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lesion. How can this be described?

4. What are the management options?

diagnosis?

appearances occur?

other significant examination findings.

arev-white subepithelial nodules in the paracentral cornea, and peripheral scarring. The other eye showed superficial punctate erosions inferiorly but was otherwise normal. There were no