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SJƏMSUY

.inseant. and invasive melanoma. There was no BRAF V600E mutation nasolacrimal system and optic nerve were all clear of in situ eyelid skin, upper eyelid skin and conjunctiva, lacrimal gland, and palpebral conjunctiva were clear. Likewise, the lower lid. All other surgical margins were clear. The inferior forniceal Tom trom the deep cutaneous surgical margin of the lower trabecular meshwork by melanoma cells. The melanoma was melanoma in situ; perineural invasion; and involvement of the present but not shown here, include: overlying conjunctival intiltrating lymphocytes and melanophages. Other teatures melanA. There was a mild, patchy intiltration of tumour epithelioid cell type and were strongly immunopositive for conjunctiva. The melanoma cells were predominantly of pigmented invasive melanoma of the interior bulbar 1. Figures 1 and 2 demonstrate a large, nodular partially

It represents around 0.25% of melanomas at all sites and and predominantly affects fair complexioned populations. persons per year, more common in those over 65 years of age tumour with an overall incidence of 0.46 cases per million melanoma is a rare, aggressive invasive ocular surface with intraocular and orbital involvement. Conjunctival 2. This was a recurrence of invasive conjunctival melanoma

may occur in advanced tumours. near the limbus. Invasion of the cornea, eyelid, sclera or orbit conjunctiva but commonly presents on the bulbar surface, It is often unilateral and can affect any part of the

conjunctival malignancy after squamous cell carcinoma. 5% of all ocular melanoma and is the second most common

de novo. with atypia (PAM), while others arise from pre-existing nevi or intraepithelial lesions (C-MIL) / primary acquired melanosis victor of cases develop from conjunctival melanocytic melanocytes in the conjunctival epithelium. The majority melanoma. The tumour originates from the basal suoanetuo of (anotetum anag 2AX bne 14N, 4AXB) similar histological and UV-related molecular signatures Conjunctival melanoma is a mucosal melanoma with

bresented here). advanced cases with local tissue invasion (as in the case photon external beam), or radical orbital exenteration tor alpha-Zb), radiotherapy (brachytherapy, proton beam or chemotherapy (mitomycin C, 5-fluorouracil or interferon membrane allograft and +/- adjuvant cryotherapy, topical This includes wide local surgical excision +/- amniotic between ophthalmic and specialised ocular oncology centres. melanoma; consequently, management varies considerably There is no standard of care for C-MIL or conjunctival

ulceration and increased tumour thickness. and systemic metastases include a non-epibulbar locations, up. Poor prognostic indicators / risk tactors for nodal (~25%) recurrence are high (33-61%), warranting long-term follow-Postoperative complications rates and risk of tumour

History

PATHOLOGY QUIZ

An 83-year-old female was previously treated by surgical excision and plaque brachytherapy for her left conjunctival lesion. She presented to her ophthalmologist with a recurrence some years later and underwent a lid sparing orbital exenteration, which was sent to the ophthalmic pathology department. There was no other significant past medical history of note.

The orbital exenteration specimen comprised the upper and lower lids, globe,

optic nerve stump and surrounding orbital soft tissue (Figure 1). A partially pigmented inferior bulbar conjunctival mass was noted.

inferio

lower lid

tumo

superior





Figure 2b: MelanA x20.

Figure 2a: H&E x20.

posterio

Figure 1

Duestions

Figure 2 shows a representative H+E and a melanA immunohistochemical stained section of the lesion.

- 1. How can this be described?
- 2. Considering the clinicopathological features, what is the diagnosis?

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