trophy was partially incarcerated in the surgical scar, similar to the earlier described case, suggesting an invasive postoperative ingrowth process. The X-Y karyotyping revealed that the epithelial cells were of donor origin. The technique of posterior lamellar keratoplasty is relatively new and technically difficult, with a surgeon’s learning curve. The most critical step is the preparation of the posterior lamellar disc by hand or by use of a microkeratome. We postulate that the donor epithelium was implanted during the preparation of the donor posterior lamellar disc and was introduced intraoperatively. If complete attachment of the donor posterior lamella is accomplished, ectopic epithelial cells in the interface might remain stable without proliferation. In a partially detached donor lamella, ectopic epithelial cells might prolif-erate along the recipient’s posterior cornea. We remain stable without proliferation. In a partially de-

Correspondence: Dr Saelens, Department of Ophthalmology, Erasmus Medical Center, PO Box 2040, 3000 CA Rotterdam, the Netherlands (i.saelens@erasusmc.nl).

Financial Disclosure: None reported.

5. Walker BM, Hindman HB, Ebrahimii KB, et al. Epithelial downgrowth follow-

M elanocytomas are benign, pigmented tumors usually seen in adults. They are normally asymptomatic, localized, and unassociated with any systemic features. We report a case of congenital melanocytoma with diffuse ocular involvement, extending into the orbit and causing proptosis, along with oculodermal melanocytosis and multiple congenital melanocytic nevi on the body.

Report of a Case. A 6-month-old boy had progressive protrusion of the right eye since birth. He had a proptosis measuring 34 mm with a pigmented subconjunctival mass in the upper fornices and cutaneous pigmentation on the upper eyelid (Figure 1A). Multiple pigmented cutaneous lesions were seen throughout the body, ranging from 1 to 10 mm (Figure 1B).

A computed tomographic scan showed a large lesion infiltrating the right eyeball and posterior orbit, causing scalloped expansion of the orbit (Figure 1C). An incisional biopsy specimen taken through the superior fornix revealed a melanocytoma. Because melanocytomas of such infiltrative nature and progression can become malignant, an exenteration was done. A nevus was also biopsied. Results of a complete metastatic workup were normal. Gross examination showed a pigmented mass measuring 35 × 25 × 25 mm, filling up the globe and extending superoposteriorly into the orbit (Figure 1D). Microscopical analysis showed heavily pigmented tumor cells, of which bleached preparations revealed plump polyhedral nevus cells with abundant cytoplasm and small, uniform nuclei (Figure 2A and B). The tumor had infiltrated the sclera posteriorly and replaced the entire optic nerve. There was no evidence of mitosis or vascular invasion. Staining for S-100 protein and HMB-45 were positive. Staining for Ki-67 showed a proliferative index less than 1%. Features of melanosis oculi in the form of increased dendritic melanocytes were seen in the episclera, sclera, and optic nerve sheath (Figure 2C).

Results of the microscopical analysis of the cutaneous lesion were consistent with a congenital melanocytic nevus (Figure 2D).

Three years later, there was no recurrence.

Comment. Melanocytoma, although previously often confused with malignant melanoma, is now distinctly recognized by its typical clinical and benign histological features. The tumor in this case was diffuse and infil-
Melanocytoma associated with multiple congenital melanocytic nevi. Cases of congenital malignant melanoma of the choroid with multiple congenital melanocytic nevi have been reported. Our case had benign histological features, showing only a locally aggressive infiltration, making it distinct from the other cases reported.

Several reports have cited growth in melanocytoma. A history of rapid progression as in our case is unusual. Few reports have also shown extrascleral extension, but to our knowledge this never occurs with complete globe involvement and extensive orbital infiltration. The overall prognosis of melanocytoma is good. Slight growth may not signify malignancy. However, more progressive growth suggests malignant transformation.

Our case is unusual because it manifested congenitally with diffuse ocular involvement and orbital extension, causing proptosis. It also suggests an association
between melanocytoma, oculodermal melanocytosis, and multiple congenital melanocytic nevi.

Mandeep S. Bajaj, MD
Noornika Khuraijam, MS, DNB
Seema Sen, MD
Neelam Pushker, MD

Correspondence: Dr Khuraijam, Dr Rajendra Prasad Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029, India (noornika@yahoo.co.in).

Financial Disclosure: None reported.


---

**Evaluating Patient Discomfort, Anxiety, and Fear Before and After Ranibizumab Intravitreous Injection for Wet Age-Related Macular Degeneration**

Ranibizumab (Lucentis) intravitreous injection (IVI) has emerged as a common treatment for wet age-related macular degeneration after 2 international, multicenter, controlled clinical trials, MARINA¹ and ANCHOR,² reported positive visual outcome compared with placebo and photodynamic therapy. Despite the therapeutic benefits of ranibizumab, repeated injections are required as often as every 4 weeks. We aimed to study the patients’ perspective of treatment with ranibizumab, specifically pain, anxiety, and discomfort related to the ranibizumab IVI procedure.

---

Figure 2. Photomicrographs. A, Densely pigmented polyhedral tumor cells (hematoxylin-eosin, original magnification ×400). Inset, Tumor cells infiltrating the sclera (hematoxylin-eosin, original magnification ×200). B, A bleached preparation showing monomorphic cells with small nuclei and abundant cytoplasm (hematoxylin-eosin, original magnification ×400). C, Sheets of dendritic melanocytes, seen infiltrating the sclera (hematoxylin-eosin, original magnification ×200). D, A specimen taken from the skin lesion showing nests of melanocytes infiltrating the dermis and surrounding the skin adnexa (hematoxylin-eosin, original magnification ×200).