Scleral Thinning and Conjunctival Mass with Rhinosporidiosis

A 12-year-old child presented with a 6-month old painless, reddish-blue swelling superior to the upper limbus (Fig 1A). Scleral thinning with uveal show and a conjunctival mass with dot-like, yellowish-white surface excrescences were noted. Excision with a donor sclera patch graft was performed (Fig 1B). Histopathology showed partially separated squamous metaplastic epithelium (Fig 1C), edematous stroma, and numerous thick walled sporangia indicating rhinosporidiosis. Several of these appeared degenerated and empty. Others showed granular debris material (Fig 1C, Hematoxylin-Eosin; Fig 1D, Gomori’s Methenamine Silver ×400). Ocular rhinosporidiosis most commonly involves the tarsal conjunctiva. Scleral melt from bulbar conjunctival rhinosporidiosis is known but extremely rare.

NANDINI BOTHRA, MS
RUUCHI MITTAL, MD, DNB
DEVIYOTTI TRIPATHY, MS

1 Ophthalmic Plastic Surgery Service, LV Prasad Eye Institute, Bhubaneswar, Odisha, India; 2 Ophthalmic Pathology Service, LV Prasad Eye Institute, Bhubaneswar, Odisha, India