A 44-year-old woman presented with a 1-year history of progressive, painless bilateral proptosis. Magnetic resonance imaging revealedwell-circumscribed, enhancing, central masses (A-B). Right mass resection was performed via an inferior fornix incision. Left massresection was performed via a lateral orbitotomy. Histopathology showed the right-sided mass to be rich in vascular sinuses, lined with flatendothelial cells separated by fibrous intervals (characteristic of cavernous hemangioma, C). Histopathology of the left-sided massdemonstrated variably sized, exuberantly proliferous nerve fascicles with myelinated axons(D). Follow-upover 1 year has shown no recurrence