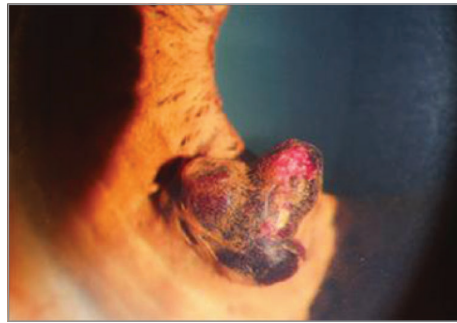


## Ophthalmic Images

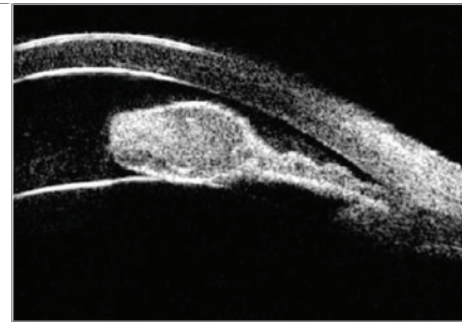
## Narrow Angle Associated With an Iris Cavernous Hemangioma

Xiaomei Xiong, MD; Zhihao Jiang, MD; Yangfan Yang, PhD

A Slitlamp photography



B Ultrasound biomicroscopy



**Figure.** Iris cavernous hemangioma. A, Slitlamp photograph of the iris cavernous hemangioma showing a heart-shaped mass in the iris. B, Ultrasound biomicroscopy showing a tadpole-shaped tumor growing from the iris.

**A 63-year-old woman** with no history of ocular trauma presented with recurrent pain, redness, and hazy vision in her left eye. On examination, best-corrected visual acuity was 20/32 OS. Intraocular pressure (IOP) was 24 mm Hg in the left eye. There were a few red blood cells in the anterior chamber and a heart-shaped mass in the iris, approximately 2 mm in diameter, with dark-red blood clots and visible blood vessels (**Figure, A**). Ultrasound

biomicroscopy showed a narrow angle with a tumor growing from the iris, consistent with a narrow angle associated with an iris cavernous hemangioma (**Figure, B**).

Iris hemangioma is rare, accounting for 2% of iris tumors.<sup>1</sup> Iris cavernous hemangiomas compose roughly 12% of all iris hemangiomas.<sup>2</sup> There may be elevated intraocular pressure and ocular pain associated with spontaneous rupture of blood vessels that can cause recurrent hyphema. The patient was treated with topical IOP-lowering medication associated with resolution of her discomfort.

## ARTICLE INFORMATION

**Author Affiliations:** State Key Laboratory of Ophthalmology, Zhongshan Ophthalmic Center, Sun Yat-sen University, Guangzhou, China (Xiong, Jiang, Yang); Guangdong Provincial Key Laboratory of Ophthalmology and Visual Science, Guangdong Provincial Clinical Research Center for Ocular Diseases, Guangzhou, China (Xiong, Jiang, Yang).

**Corresponding Author:** Yangfan Yang, PhD, State Key Laboratory of Ophthalmology, Zhongshan Ophthalmic Center, Sun Yat-sen University, 7 Jinsui Rd, Guangzhou 510623, China ([yangyangfan@gzoc.com](mailto:yangyangfan@gzoc.com)).

**Author Contributions:** Drs Xiong and Jiang contributed equally to this work.

**Conflict of Interest Disclosures:** None reported.

**Additional Contributions:** We thank the patient for granting permission to publish this information.

## REFERENCES

1. Shields CL, Kancherla S, Patel J, et al. Clinical survey of 3680 iris tumors based on patient age at presentation. *Ophthalmology*. 2012;119(2):407-414. doi:10.1016/j.ophtha.2011.07.059

2. Shields JA, Bianciotto C, Kligman BE, Shields CL. Vascular tumors of the iris in 45 patients: the 2009 Helen Keller Lecture. *Arch Ophthalmol*. 2010;128(9):1107-1113. doi:10.1001/archophthalmol.2010.188