

## Clinical Image

# Persistent Hyperplastic Primary Vitreous

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Persistent Hyperplastic Primary Vitreous (PHPV) is a congenital developmental anomaly caused by the incomplete regression of primary vitreous with the abnormal persistence of hyaloid vasculature [1]. Clinically PHPV presents with leucocoria, microphthalmia, and cataract [2]. Diagnosis can be made on imaging. Ultrasound reveals a hyperechoic structure in the vitreous chamber extending from the posterior wall of the lens to the optic disc and vascularized on color Doppler [3]. CT scan can better demonstrate all the findings of ultrasonography and aid in better visualization of the underlying pathologies [4]. On magnetic resonance imaging, PHPV appears as a triangular retrolental vascular soft tissue mass with a central stalk of hyaloid remnant connected to the optic disc [5]. The image below depicts a 3-year-old patient who presents with leucocoria. Axial CISS-T2-weighted 1.5T MR image revealed bilateral abnormal structure extending from the retrolental area to the region of the optic disc, appearing as low T2 signal against the normal T2 signal of the globe.



Figure 1:

## References

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