

## Swept Source Based Optical Biometry by IOL Master 700 in Pediatric Anterior Pyramidal Cataract

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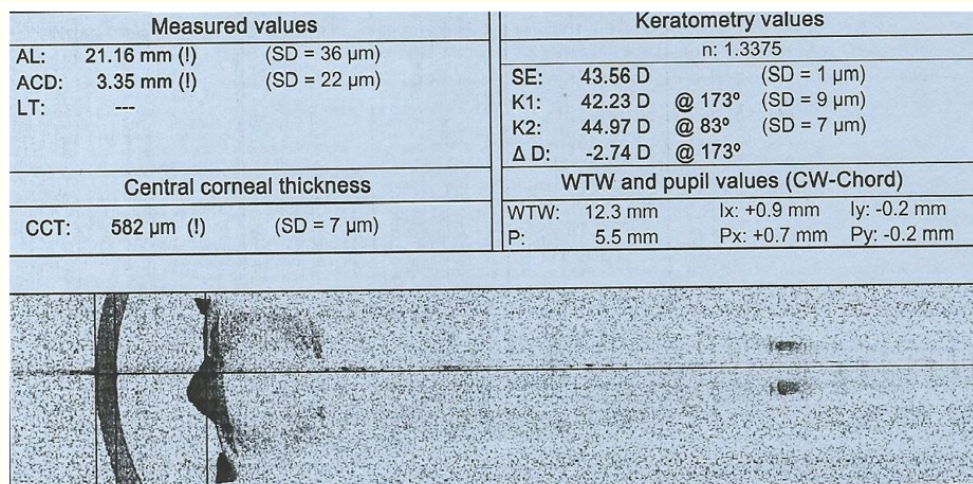
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Anterior polar cataract is an opacity at the anterior capsule of the lens induced by metaplasia of the epithelial cells. Anterior polar cataract is a highly amblyogenic condition not because of a visually obstructing lens opacity but because of refractive errors, primarily hypermetropic anisometropia and astigmatism. Pyramidal anterior polar cataracts are present at birth and may represent a variant of anterior polar lens opacities. They may be unilateral or if bilateral, they may be either symmetric or asymmetric. They consist of hyperplastic lens epithelium in a collagenous matrix [1-2].

We report a case of anterior pyramidal cataract documented with Swept source based optical biometry by IOL Master 700.

A 3 year old boy presented with white reflex in the right eye since 3 months with occasional deviation. He was fixing and following light with OD while OS had 20/20 vision with Cardiff card. The examination OD showed 3 mm anterior pyramidal cataract with cortical extensions which was documented well in Swept source OCT based optical IOL MASTER 700 (Zeiss) (Figure 1 and 2). Other findings OS were unremarkable. Right Eye had sensory exotropia. The USG B Scan was normal. Patient underwent uneventful cataract extraction with IOL implantation and had postoperative best corrected visual acuity of 20/40 in RE and was on glasses and occlusion therapy till last follow up.



**Figure 1:** IOL Master 700 biometry of Right Eye.



**Figure 2:** 2 (a) showing anterior pyramidal cataract and 2 (b) swept source image of anterior pyramidal cataract.

### **Bibliography**

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2. Cunningham A, *et al.* "Anterior pyramidal congenital cataract". *Journal of Pediatric Ophthalmology and Strabismus* 48.3 (2011): 192.

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