A 50-day-old boy was referred to the physician due to a white pupil in the left eye. Preoperative ocular B-ultrasonography showed a thickened lens with no obvious persistent primary hyaloid in the vitreous. There was no distinct capsule, and a lensectomy was performed followed by anterior vitrectomy. A semitransparent band was detected at the back of the lens and cut off during the operation. No other ocular or systemic abnormality was detected.