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Case #1: Pediatric Aphakia

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Congenital Cytomegalovirus (CMV) Syndrome • Occurs when an infant is infected with CMV before birth ° 10% develop health problems Lungs Liver / spleen • Most infants do not develop any

symptoms

- Hearing loss
- Vision loss
- Intellectual disabilities • Seizures
- Small head size
- Lack of coordination





























Case #2: Pediatric Keratoconus • Corneal GPs: • Rose K 2 in Boston ES • OD: 14.75 / 5.90 BC / 8.7 OAD / green with dor DVA: 20/40-• OS: -7.00 / 6.8 BC / 8.7 OAD / blue NO dor DVA: 20/30-• Patient returned for 4 insertion and removal training visits • Prinally dispensed • At 1 week follow up, patient presents uncorrected. • Patient reports that lenses are "painful, he can't wear them" • What next?

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Clinical Pearls

- Contact lenses for children can provide good vision but also improve self esteem and be more convenient for sports and activities
- Cataract on children has risks and potential complications, but not removing a congenital cataract will cause deprivational amblyopia
- Pediatric aphakic patients typically have a very high plus refractive error
- Paragon CRT lens are FDA approved for up to -6.00 D of myopia and -1.75 D of astigmatism but internal astigmatism must be calculated
- Corneal cross linking is FDA approved for progressive keratoconus
- in patients as young as age 14

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Thank you!

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