

Current status of paediatric eye care in Asian countries

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Introduction

- **House for 1 million blind children**
- **Causes are variable in different regions**
- **Available manpower and services are not uniform.**
- **Service dependable on external funds**
- **Late presentations are not uncommon**



Introduction

- **Quality of service diversified even inside the country– Basic to advanced**
- **No mechanism existing for routine screening of babies in NICU and thereafter**
- **Inadequacy in anaesthesia facility- almost uniform**
- **Lot of NGO s make an effort to improve the case finding, quality care, training HR, funding for setting up the speciality etc**



India-The Need..



- 407 million children
- 3,20,000 blind (20% of worldwide)
- 960, 000 children are with Low vision
- Blindness – 6.5/10,000



Currently available infrastructure...

- **Most equipped to provide basic services only**
- **Refraction services by general ophthalmologist**
- **Refractionist available at CHC**
- **Only .63 ped oph unit per million**
- **No screening or referral protocol**



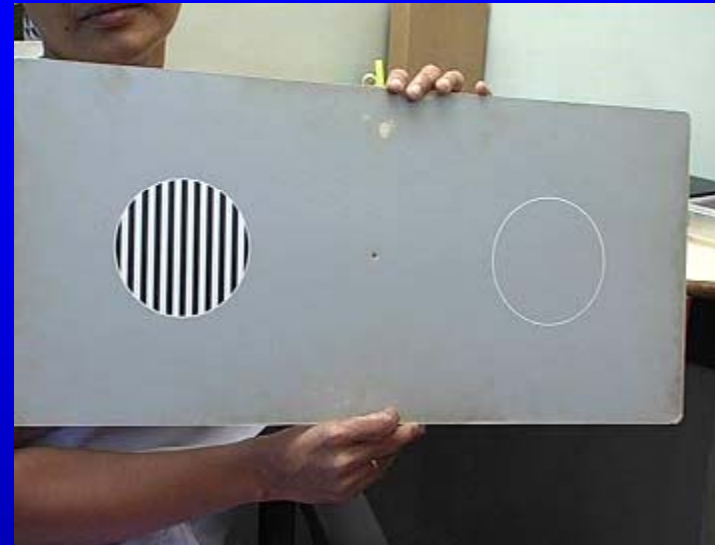
Tertiary centres

How are we equipped

Cake Decoration



Keeler acuity



Fixation preference

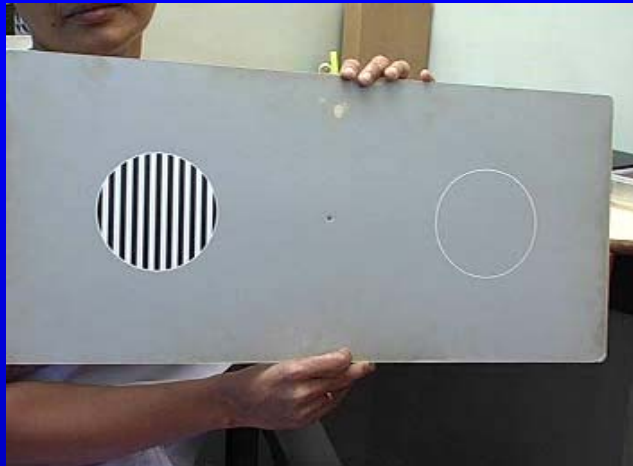


Cardiff card



Improved Examination Techniques

Keeler card



SG Chart



Hand slit lamp



Handheld keratometer



VEP Recording



ERG

ERG under
General Anesthesia

Active Vision
Stimulation with
Colored Running Lights



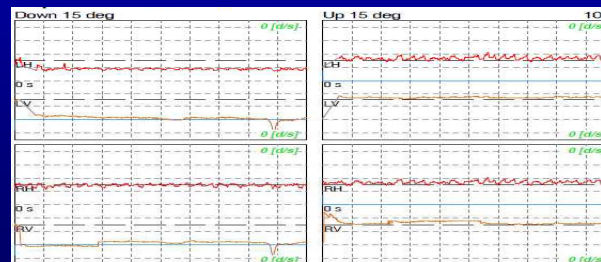
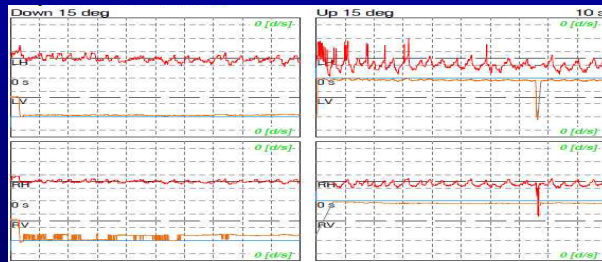
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Electro Video Nystagmogram



Preop

Postop



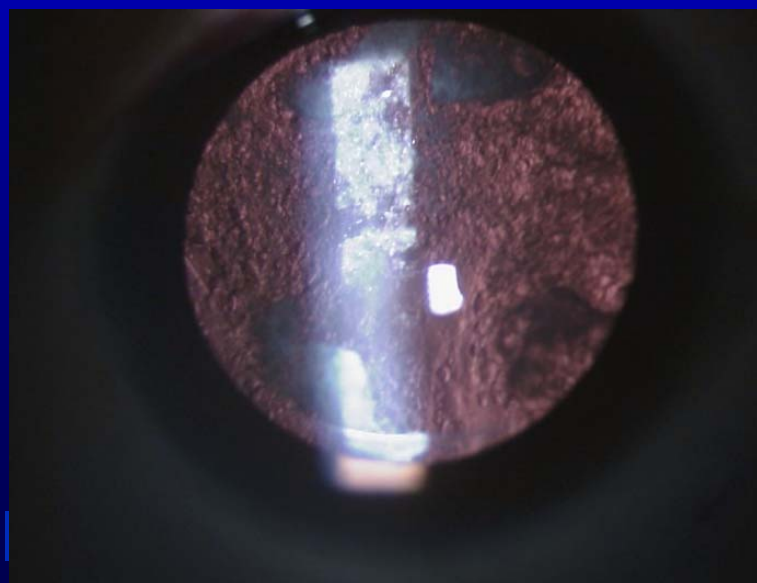
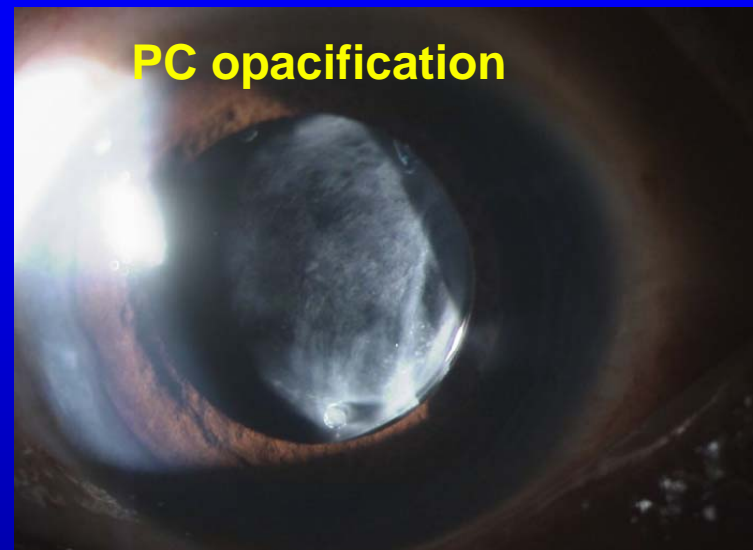
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Paediatric Cataract

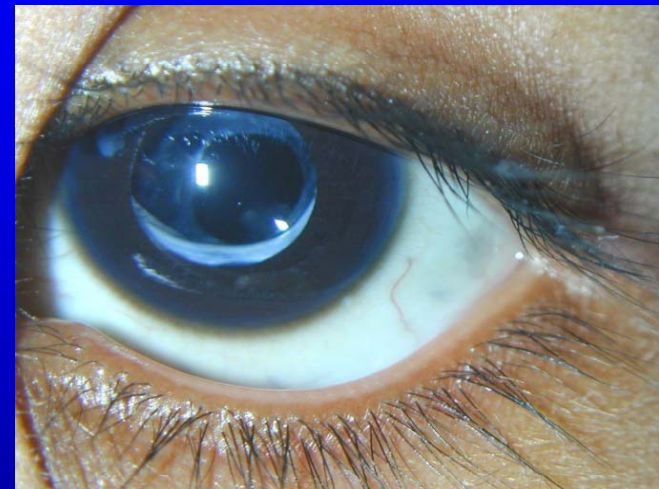
- Lot of understanding on the etiology especially of CRS as a cause
- Anaesthesia:- Availability of good neonatal anaesthetist, newer induction and maintenance Drugs, laryngeal airways mask
- Possible to take grade III risk patients also for surgery



Surgical Revolutions



Aphakic Rehabilitation - Nil to spectacles, contact lenses to IOLs now



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ROP screening and Treatment (A2Z USAID PROJECT)



Ret cam



Laser



ROP Screening

- Protocol is there, HR is getting better
- Implementation of the programme is not uniform
- Awareness among neonatologists\ paediatricians and their role in referral
- Quality NICUcare is not available to all
- Awareness among parents almost nil
- More IVF babies with vision impairment



At present; controlled chemotherapy with newer and effective drugs

BEFORE CHEMOTHERAPY



DAY 1



AFTER CHEMOTHERAPY



AFTER 6 MONTHS REVIEW

