VITREORETINAL SURGERY FOR ROP
Surgical Tips and Tricks

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Ankara, TURKEY
VR-Surgery for ROP

- Its own rules
- Its own complications
- Does not forgive faults
- Does not accept apologies
Differences from adult VRS

- Very small eye: Narrow space for manoeuvres
- Pars plana is not well developed.
- Lens is relatively large
- Vitreous-Retina relation!
At the beginning

- Narrow space can be widened with chantotheotomy: space for the 3rd port
Sclerotomy

- Open the conj. in every case
- Select the entry site for every case individually to avoid the anterior fibrovascular tissue injury.
- Suture the sclerotomy!
Vitrectomy

- 2-3 port entry
- 19G-20G-23G-25G-27G surgeries
- Lens sparing vitrectomy (LSV) if possible!
Lens sparing vitrectomy

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Surgical tips
Stage 5 ROP
Caution!

- This is the most typical surgery where the surgeon should know where to stop!
- “Perfect” is the enemy of “good”
- Do not let any iatrogenic retinal break!
At the end of the surgery

To decrease risk of hemorrhage

- Do not let hypotony at the end of surgery.
- F-A-X
- Try to avoid active vascular structures.
Thank you...