

Webinar 2: **In this webinar we will learn about classification and severe forms of ROP**

Slide 2: Objectives are:

- **How to classify ROP?**
- **Severe forms of ROP**
- **Consequences**

Slide No. 3: Classification of ROP

- International Classification of ROP (ICROP) is used for classifying ROP
- ROP is categorised based on the severity of the disease into stages (1-5), location of the disease into 3 zones (Zone 1-3) and the presence of plus disease.

Slide No. 4: How to define location of ROP

- Zone 1: a circle whose radius is twice the distance from the centre of the optic disc to the centre of macula
- Zone 2: a circle whose radius is the distance from the centre of the optic disc to the nasal margin of the retina
- Zone 3: The remainder of the retina, from Zone II to ora-serrata on nasal side and equator on temporal side.

Slide No.5: For defining severity of ROP, following stages are used:

- **Stage 1-** Thin white line of demarcation s
- **Stage 2-** Addition of depth and width to the demarcation line (Ridge)
- **Stage 3-** Presence of extra retinal fibro vascular proliferation
- **Stage 4-** Partial retinal detachment beginning at the ridge, not involving macula(4A) and involving macula (4B)
- **Stage 5** Complete retinal detachment

Slide no.6: Plus disease

It is one of the severe form of ROP which is characterised by significant level of venous dilation and arteriolar tortuosity of the posterior retinal vessels. One important point which should be remembered is that if there is **poor pupillary dilatation** (rigid pupil), you should suspect plus disease

Slide No.7: Aggressive posterior ROP (AP-ROP)

- It is a rapidly progressing, severe form of ROP in the smallest and most immature infants with prominence of plus disease
- Ill-defined, mild appearing and easily overlooked retinopathy

There is a risk of very early retinal detachment in APROP

Slide No. 8: Consequences of ROP

- Refractory errors
- Squint
- Unilateral or bilateral Blindness
- Late retinal detachment (6 months-31 years)
- Glaucoma

Slide no. 9: Key messages

- ROP is classified based on the severity, location and extent of the disease
- The presence of plus disease and APROP needs urgent intervention in the form of laser or surgery
- Screening and timely intervention will reduce dire consequences of ROP