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Five Rules for the Assessment of the Optic Nerve Head in Glaucoma

- 1. Look first at the rim (and , not at the cup)
- 2. Look at the peripapillary region
- 3. Look at the retinal nerve < fiber layer
- 4. Look at the lamina cribrosa
- 5. Look for optic disc hemorrhage





Rim width = distance between the scleral ring and the location where the vessel is bent (cup border)

























RNFL *Red-Free* Photographs





































Detection of disc hemorrhages requires careful optic disc examination



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Optic Disc Size

Measurement of optic disc size:

- · Biomicroscopy:
 - Volk lens
 - Measure size of slit beam
- Correction factors:
 - Volk 60D x 1.0
 - Volk 78D x 1.1
 - Volk 90D x 1.3



Average vertical diameter: 1.8 mm Average horizontal diameter: 1.7 mm











Armaly. Arch Ophthalmol. 1967.



Detecting Progression (Compare Photographs During Follow-Up)







































