AREDS 2008 Clinical Lens Opacity Grading Procedures

- Dilate pupils to at least 5 mm diameter
- Use slit lamp with ~10X magnification
- Use brightest beam intensity
- Nuclear opacity
  - Orient beam at 45° to viewing axis
  - Adjust slit beam to standard parameters: 8 mm height and 0.3 mm width
  - Compare opalescence of nucleus with that in standard photos
- Cortical and PSC opacities
  - Select wide slit beam setting optimum for retro-illumination of lens
  - Visualize lens opacities against red fundus reflex background
  - Count only opacities definitely visible against red reflex
  - Mentally combine all cortical opacities into one contiguous area
  - Compare total opacity area with that in standard photos
- Classify each opacity with scale defined by 3 standard photos
  - Select nearest half-step which is
    - Similar to standard or between two standards
    - Obviously less than mildest standard or greater than most severe
- Steps
  - Steps: <1, 1.0, 1.5, 2.0, 2.5, 3.0, >3.0

Use the 8X10 glossy print of the “AREDS 2008 Clinical Lens Opacity Standard Photographs” which has been supplied to you

In the eCRF enter:
  - <1, 1.0, 1.5, 2.0, 2.5, 3.0, >3.0, “not done”, or “cannot grade”