Flame Shape Hemorrhage

Normal Nerve Fiber Layer

Wedge Shaped Nerve Fiber Layer Defect

Visual Fields in Glaucoma
- Confirms glaucoma
- Severity of glaucoma: early, mild, moderate & severe
- Prognosis
- Effectiveness of treatment
- Rules out other causes that can mimic glaucoma

Progression of Open-Angle Glaucoma Symptoms as Seen Through the Eyes of the Patient
- Early Symptoms
- Intermediate Symptoms
- Advanced Symptoms
- During the advanced stages of glaucoma, only a small central area of vision remains. If the entire optic nerve is destroyed, then total blindness will result.

Visual Field Defects
- Early/Mild: Nasal step or depression, isolated paracentral scotomas, or diffuse depression
- Moderate: Arcuate Bjerrum scotoma in one hemifield
- Severe: Complete arcuate scotoma in both hemifields or hemifield altitudinal
- Far Advanced: Small central and/or temporal island of vision remaining
Worsening of Visual Fields

- New defects
- Enlarging of original defect
- Deepening of original defect
The Secondary Glaucomas

- Pigmentary Dispersion Syndrome (PDS)
- Exfoliation Syndrome (XFS)
- Uveitic
- Steroid Induced
- Neovascular
- Trauma: Hyphema/Angle Recession

Pigmentary Glaucoma

- 4+ pigment in TM
- Schwalbe's line
- Ciliary Body

XFS

LC
Angle Closure Glaucoma

Primary & Secondary ACG with pupillary block
Primary & Secondary ACG without pupillary block
### Prevalence of POAG and CACG

<table>
<thead>
<tr>
<th>Group</th>
<th>Angle-Closure (million)</th>
<th>Open-Angle (million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>22.3</td>
<td>7.4</td>
</tr>
<tr>
<td>India</td>
<td>5.6</td>
<td>5.6</td>
</tr>
<tr>
<td>South Asia</td>
<td>4.2</td>
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<td>Africa</td>
<td>0.05</td>
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<td>Latin America</td>
<td>0.5</td>
<td>1.3</td>
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<tr>
<td>Near East</td>
<td>0.3</td>
<td>0.7</td>
</tr>
<tr>
<td>Total</td>
<td>33.5</td>
<td>33.1</td>
</tr>
</tbody>
</table>

POAG = primary open-angle glaucoma, CACG = chronic angle-closure glaucoma.


![Diagram of eye structures](image1)

![Diagram of eye structures](image2)

![Diagram of eye structures](image3)

![Diagram of eye structures](image4)