Re *anterior* vs *posterior* polar cataracts…

*Which tends to be larger?*
A

- Re *anterior* vs *posterior* polar cataracts…
  - *Which tends to be larger?* *Posterior*
Polar cataract sizes

Anterior

Posterior
Q

- Re *anterior* vs *posterior* polar cataracts...
  - Which tends to be larger? Posterior
  - Which is more common?
Re *anterior vs posterior* polar cataracts…

- *Which tends to be larger?* Posterior
- *Which is more common?* Anterior
Q

Re *anterior* vs *posterior* polar cataracts…

- Which tends to be larger? Posterior
- Which is more common? Anterior
- Which tends to be nonprogressive?
Re *anterior* vs *posterior* polar cataracts…

- Which tends to be larger? Posterior
- Which is more common? Anterior
- Which tends to be nonprogressive? Anterior
Q

- Re *anterior* vs *posterior* polar cataracts...
  - *Which tends to be larger?* Posterior
  - *Which is more common?* Anterior
  - *Which tends to be nonprogressive?* Anterior
  - *Which tends to have a lamellar or ‘bull’s eye’ appearance?*
A

- **Re anterior vs posterior polar cataracts…**
  - Which tends to be larger? **Posterior**
  - Which is more common? **Anterior**
  - Which tends to be nonprogressive? **Anterior**
  - Which tends to have a lamellar or ‘bull’s eye’ appearance? **Posterior**
Posterior polar cataract: Lamellar/bull’s eye appearance
Q

- Re *anterior* vs *posterior* polar cataracts…
  - Which tends to be larger? Posterior
  - Which is more common? Anterior
  - Which tends to be nonprogressive? Anterior
  - Which tends to have a lamellar or ‘bull’s eye’ appearance? Posterior
  - Which is associated with an increased risk of intraoperative complications during cataract surgery?
Re anterior vs posterior polar cataracts…

- Which tends to be larger? Posterior
- Which is more common? Anterior
- Which tends to be nonprogressive? Anterior
- Which tends to have a lamellar or ‘bull’s eye’ appearance? Posterior
- Which is associated with an increased risk of intraoperative complications during cataract surgery? Posterior
Re anterior vs posterior polar cataracts…

- What intraoperative complication is being referred to here?

- What intraoperative complications during cataract surgery? Posterior
Re anterior vs posterior polar cataracts…

- What intraoperative complication is being referred to here?
  Rupture of the posterior capsule

- Which is associated with an increased risk of 
  *intraoperative complications during cataract surgery*? Posterior
Re anterior vs posterior polar cataracts…

What intraoperative complication is being referred to here? Rupture of the posterior capsule

Why is capsular rupture more likely?

Which is associated with an increased risk of intraoperative complications during cataract surgery? Posterior
Re anterior vs posterior polar cataracts...

- What intraoperative complication is being referred to here?
  Rupture of the posterior capsule

- Why is capsular rupture more likely?
  Because the posterior capsule in the region of a posterior polar cataract is weakened if not absent entirely

Which is associated with an increased risk of intraoperative complications during cataract surgery? **Posterior**
Re anterior vs posterior polar cataracts...

What intraoperative complication is being referred to here? Rupture of the posterior capsule

Why is capsular rupture more likely? Because the posterior capsule in the region of a posterior polar cataract is weakened if not absent entirely

Which basic surgical step should be avoided?

Which is associated with an increased risk of intraoperative complications during cataract surgery? Posterior
Re anterior vs posterior polar cataracts...

- What intraoperative complication is being referred to here? Rupture of the posterior capsule

- Why is capsular rupture more likely? Because the posterior capsule in the region of a posterior polar cataract is weakened if not absent entirely

- Which basic surgical step should be avoided? Complete hydrodissection; ie, one should not attempt to cause a fluid wave to pass behind a posterior polar cataract

intraoperative complications during cataract surgery? Posterior
Re *anterior* vs *posterior* polar cataracts…

- Which tends to be larger? Posterior
- Which is more common? Anterior
- Which tends to be nonprogressive? Anterior
- Which tends to have a lamellar or ‘bull’s eye’ appearance? Posterior
- Which is associated with an increased risk of intraoperative complications during cataract surgery? Posterior
- Which is more likely to be bilateral?
Re anterior vs posterior polar cataracts…

- Which tends to be larger? Posterior
- Which is more common? Anterior
- Which tends to be nonprogressive? Anterior
- Which tends to have a lamellar or ‘bull’s eye’ appearance? Posterior
- Which is associated with an increased risk of intraoperative complications during cataract surgery? Posterior
- Which is more likely to be bilateral? Anterior
Re *anterior* vs *posterior* polar cataracts…

- Which tends to be larger? *Posterior*
- Which is more common? *Anterior*
- Which tends to be nonprogressive? *Anterior*
- Which tends to have a lamellar or ‘bull’s eye’ appearance? *Posterior*
- Which is associated with an increased risk of intraoperative complications during cataract surgery? *Posterior*
- Which is more likely to be bilateral? *Anterior*
- Which is more likely to affect vision?
Re *anterior* vs *posterior* polar cataracts…

- Which tends to be larger? *Posterior*
- Which is more common? *Anterior*
- Which tends to be nonprogressive? *Anterior*
- Which tends to have a lamellar or ‘bull’s eye’ appearance? *Posterior*
- Which is associated with an increased risk of intraoperative complications during cataract surgery? *Posterior*
- Which is more likely to be bilateral? *Anterior*
- Which is more likely to affect vision? *Posterior*
Re anterior vs posterior polar cataracts…

- Which tends to be larger? Posterior
- Which is more common? Anterior
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- Which tends to have a lamellar or ‘bull’s eye’ appearance? Posterior
- Which is associated with an increased risk of intraoperative complications during cataract surgery? Posterior
- Which is more likely to be bilateral? Anterior
- Which is more likely to affect vision? Posterior

Why are posterior polars more visually significant than anteriors?
Re anterior vs posterior polar cataracts…

- Which tends to be larger? Posterior
- Which is more common? Anterior
- Which tends to be nonprogressive? Anterior
- Which tends to have a lamellar or ‘bull’s eye’ appearance? Posterior
- Which is associated with an increased risk of intraoperative complications during cataract surgery? Posterior
- Which is more likely to be bilateral? Anterior
- Which is more likely to affect vision? Posterior

Why are posterior polars more visually significant than anteriors? This is controversial. The standard answer (including in the BCSC) is that it’s because posteriors are closer to the eye’s nodal point. However, the ‘nodal point’ is a theoretic construct, not an actual location.
Re anterior vs posterior polar cataracts…

- Which tends to be larger? Posterior
- Which is more common? Anterior
- Which tends to be nonprogressive? Anterior
- Which tends to have a lamellar or ‘bull’s eye’ appearance? Posterior

Why are posterior polars more visually significant than anteriors? This is controversial. The standard answer (including in the BCSC) is that it’s because posteriors are closer to the eye’s nodal point. However, the ‘nodal point’ is a theoretic construct, not an actual location. A more likely explanation is that 1) posteriors tend to be larger; and 2) because they’re posterior, they block more of the light heading to the fovea.

- Which is more likely to affect vision? Posterior