

Measure 388: Cataract Surgery with Intra-Operative Complications (Unplanned Rupture of Posterior Capsule requiring unplanned vitrectomy)

Reporting Options: Registry, Cataracts Measures Group

Quality Domain: Patient Safety

Description: Rupture of the posterior capsule during anterior segment surgery requiring vitrectomy

Instructions: This measure calculates the number of cataract surgery cases with unplanned rupture of the posterior capsule requiring vitrectomy during the reporting period. This measure is intended to reflect the quality of services provided for the patient receiving cataract surgery.

Note: This is an outcomes measure and will be calculated solely using registry data.

- For patients who receive the surgical procedures specified in the denominator coding in the sample, it should be reported whether or not the patient had a rupture of the posterior capsule during anterior segment surgery requiring vitrectomy.

Denominator Instructions: Total number of cataract surgery cases of patients at any age.

CPT Codes: 66840, 66850, 66852, 66920, 66930, 66940, 66982, 66983, 66984

Note: Clinicians who indicate modifier 55, postoperative management only OR modifier -56, preoperative management only, will not qualify for this measure.

Note: Cases with preoperative posterior capsule rupture will not qualify for this measure.

Category II Codes:

- A lower calculated performance rate for this measure indicates better clinical care or control.

G9389 Unplanned rupture of the posterior capsule requiring vitrectomy

or

G9390 No unplanned rupture of the posterior capsule requiring vitrectomy

Rationale: Unplanned anterior vitrectomies are performed following cataract surgery when vitreous inadvertently prolapses into the anterior segment of the eye. This may result in poor visual outcome

and additional complications, including retinal detachment.¹ Studies have shown unplanned Vitrectomy Rates ranging from 1% to 4%.² The literature states that this complication occurs more commonly for inexperienced surgeons.³

References:

1. Chan, FM, Au Eong, KG, **Phacoemulsification Cataract Surgery and Unplanned Anterior Vitrectomy - it can be bad news**, *Eye* (2003)17, 679
 - 2 D.F Chang, **Cataract Surgery Complication Rates, How are we doing? Cataract and Refractive Surgery** Feb 2012
 3. *Australasian Clinical Indicator Report 2004-2011, Summary of Results; Ophthalmology;*
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