

## Clinical indications of enucleation surgery

---

Sarah Zafar *FRCS FCPS MCPS*, Furqan Ahmed Khan *FCPS*, Mahmood Ali *FRCS FCPS MCPS*

### **Abstract:**

**Purpose:** To determine the clinical indications of enucleation surgery at Al-Shifa Trust Eye Hospital Rawalpindi.

**Participants and Methodology:** An observational case series was carried out for the study being conducted at Al-Shifa Trust Eye Hospital, Rawalpindi in which 60 new cases undergoing enucleation during 6 months were included by non probability convenience sampling.

**Results:** There were 31(51.7%) male and 29 (48.3%) female patients with a mean age of 23.51(SD 19.546) years. Malignant tumours (41.66% eyes) were the most common indication of enucleation followed by phthisis bulbi (23.33% eyes) and trauma (16.7% eyes). Retinoblastoma (RB) was found to be the most common malignant tumour diagnosed in 20% eyes. Students comprised 28.33% of the cases followed by farmers / laborers (23.33%) and housewives (13.33%). In terms of socioeconomic status 37 (61.66%) patients belonged to lower class.

**Conclusion:** Advanced ocular malignancies, phthisis bulbi and traumatically shattered eye globes are the major indications for enucleation in our country. Protective measures from trauma, early detection of tumours and creating awareness at various levels can decrease the incidence of enucleation. *Al-Shifa Journal of Ophthalmology 2012; 8(1): 28-35 © Al-Shifa Trust Eye Hospital, Rawalpindi, Pakistan.*

---