The final Visual Outcomes following Cataract Surgery at Outreach in rural area in Timor Leste.

Frenky Ramiro de Jesus, MBBS.
Registrar at Ophthalmology department HNGV, Timor-Leste.



Backgrounds: Timor Leste is a new country which got his independence in 2002. Since then, Cataract still remains the main cause of reversible blindness in Timor Leste. Due to tabu and lacked education, majority of the patients didn't get for eye consultation. Because of that, Surgical outreaches have been used as one of the tools by ophthalmology department of National Hospital of Guido Valadares (HNGV) to reduce the number of blindness due to cataract. **The purpose** of this study is to determine the final visual outcome of patients who undergo the cataract surgery by the outreach in Timor Leste. **Methodology**: A week of cataract surgical outreach at remote area in 6 different area of Timor Leste. Data were collected from all patients who had cataract surgery during the program from period of July - December 2017. Patients were identified by the surgery sheets, evaluated and analyse. **Results:** A total of 215 (M; 56%, F: 44%) cataract surgery were performed in outreach for a week in 6 months period of time. Of these, 60% was right eye and 40% Left eye. 204 had uncomplicated cataract surgery, while 11 required anterior vitrectomy and ACIOL inserted. In order for accurate interpretation of the visual outcome, patients were divided into 3 groups depending on first day of post operation. Vision of 6/18 or better was used to defined acceptable postoperative vision. This group consisted of 86 (40%) patients, 6/18= 12 (14%), 6/15= 13 (15%), 6/12= 26 (30%), 6/9= 8 (9%), 6/7.5= 10 (12%), 6/6= 17 (20%). Regular (6/24 - 6/60) and Poor visual outcome (<1/60) were 78 (36%) and 51 (24%) respectively. From 78 patients with Regular outcome, 68 (87%) due to corneal edema, 2 (3%) hyphema and the rest air bubble and lens material retained with 3 (4%) and 5 (6%) respectively. The reasons for Poor visual outcome secondary to comorbidities associated were 25 (50%) with macular degeneration, 8 (16%) with previous trauma + lens dislocated, 10 (20%) with glaucoma and 7 (14%) were uneducated. **Conclusion:** cataract surgery outreach was succeed and improved the vision of patients in rural area. **Recommendations**: continue doing and covering all of territories in Timor-Leste.

Biography

I have completed my post-graduation program in Ophthalmology for 18 months at Medical Faculty and Health Science of University of Timor Leste in 2017. Right now, I'm working at Ophthalmology department of National Hospital of Guido Valadares (HNGV). It will be my first time to present a poster in international conference.

Full name : FRENKY RAMIRO DE JESUS
Contact number : +670 77655266
Twitter account : @fdej2013

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