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Outcome of laser peripheral iridectomy (YAG PI) in patients with narrow angles attending the glaucoma clinic, District General Hospital, Kegalle, Sri Lanka

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Introduction: The study was done to evaluate the response pattern of YAG PI in glaucoma patients, acute and chronic.

Method: Records of 63 patients (age 51-82) who underwent YAG PI during a period of 13 months were reviewed. The gonioscopic opening of the angle, pattern of Intra Ocular Pressure (IOP) change and change of medication were analyzed.

Results: Grade III opening of all or 3 quadrants occurred in 54 out of 110 (49%) eyes. Some opening compared to previous angle in 38% of eyes. No change in 13% of eyes.

The proportion of eyes with IOP less than 21Hg mm to eyes with more than 22 before PI (treated or not) was 1.34: 1. At 2- 4/52 post PI, this proportion didn't change much (1.58:1). At the last recorded review, (3/12 – to 12/12 after), it was 5.63:1. An IOP spike of 30 -54 was seen in 31 eyes between 2/52-6/12 28 out of 114 eyes (25%), achieved stable IOP with reduced or absent medication. 33% eyes needed to be kept on the same, 23% eyes needed step-up. Few opted to have IOL or trabeculectomy (8% eyes). 11% eyes remained untreated before and after PI.

Conclusions: YAG PI was beneficial in these patients by opening the angle, and by lowering IOP. Reduction of medication was possible in a small proportion. Significant IOP spikes occurred even months after.

Biography

Deepanee Wewalwala completed her MS Ophthalmology in 1998 at the Post Graduate Institute of Medicine, Sri Lanka and Trained at National Eye Hospital Sri Lanka and Moorfields Eye Hospital, London. She is the Consultant Eye surgeon at District General Hospital Gampaha. She is an office bearer in the College of Ophthalmologists, Sri Lanka and an Examiner in the Post Graduate Institute of Medicine, Sri Lanka.

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