Vision Eye clear Corneal Cataract Surgery with Topical Anesthesia: A Systematic Review

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Abstract

Aim: To assess patient recall of intraoperative pain, anxiety, fear, and sensory perceptions during second eye clear corneal cataract surgery are using assisted topical anaesthesia (ATA), in comparison with frst eye cataract surgery using the same technique.

Methods: This prospective, consecutive, observational study was conducted in a free-standing dedicated ophthalmic day surgery centre. A voluntary questionnaire was distributed to 129 consecutive patients who underwent clear corneal cataract surgery using ATA. Two patients had to be converted to block anaesthesia, and were excluded.

Patients were asked to rate intraoperative pain, anxiety, and fear using a visual analogue scale (VAS), and recollection of intraoperative visual and auditory perceptions. Results were analyzed using the Mann–Whitney U and Spearman correlation tests.

Results: There were 70/127 (55%) patients undergoing frst eye cataract surgery and 57/127 undergoing second eye surgery. There was no signifcant difference in mean pain, anxiety, and fear scores between those perceptions experienced by patients between the frst eye and second eye surgeries. We recommend that preoperative counselling for a patient's second eye be as comprehensive as for the frst eye surgery.

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57/127 (45%) A A.
82/127 (65%) . 45/127 (35%)

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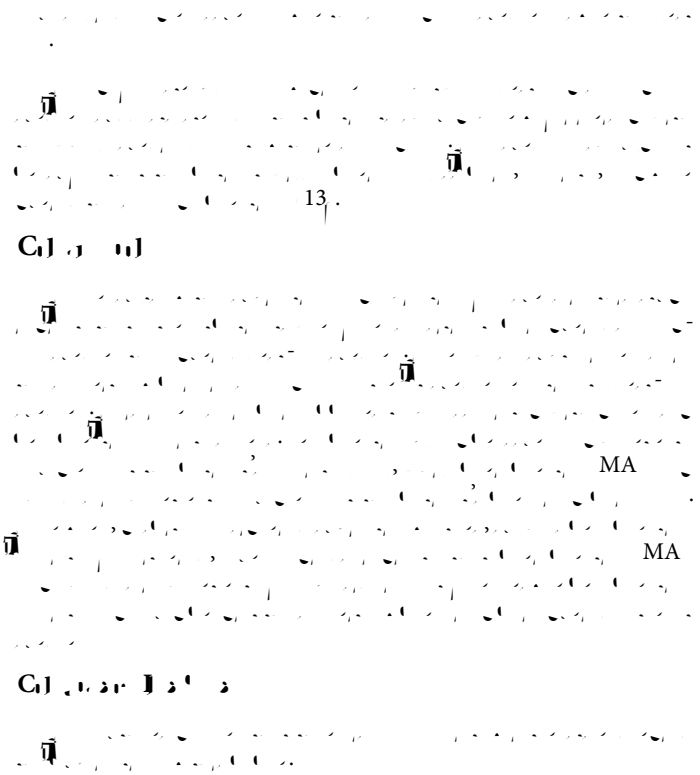

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