

Other Eye Patching
Improves Fixation and patient cooperation
during
Topical Phacoemulsification

No Financial Interest

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Purpose

- Evaluate effect of: Other Eye Patching
During Topical Phacoemulsification on:
 - Surgeon Comfort
 - Steadiness of Fixation
 - Patient Cooperation
 - Patient Comfort
 - In maintaining steady gaze at Microscope Light
 - Video Analysis of Steadiness of Fixation



Materials & Methods

- Informed Consent. Objection to patching or claustrophobia not included.
- 200 consecutive eyes of 169 Patients undergoing Topical Phacoemulsification alternately allotted to Group 1 or 2
- Group 1 – Other Eye No Patch (OENP) – 100 eyes
- Group 2 – Other Eye Patch (OEP) – 100 eyes
- Manifest Squint – by Default – Group 2 Other Eye Patch (OEP)
- Score of 1 – 5 (5 being best) for:
 - Surgeon's experience – patient's fixation/ cooperation
 - Patient's experience – maintaining steady gaze at Microscope light
 - Video analysis of fixation steadiness

Results

Group 1

- (Other Eye No Patch)** : Surgeon's score (patient's fixation/ cooperation);
- 1 - 3 = 61%, 4 - 5 = 39%.
 - Patients' score (comfort looking at microscope light);
 - 1 - 3 = 55%, 4 - 5 = 45%.
 - Video analysis score of Fixation steadiness;
 - 1 - 3 = 68%, 4 - 5 = 32%.

Group 2

- (Other Eye Patch)** : Surgeon's score;
- 1 - 3 = 24%, 4 - 5 = 76%.
 - Patients' score;
 - 1 - 3 = 18%, 4 - 5 = 82%.
 - Video analysis Score:
 - 1 - 3 = 27%, 4 - 5 = 73%.

Results

- Second eye patients
 - Other Eye Patching more comfortable
- When Operated eye Vision Less than 20/200
 - Other Eye Patching more effective
- When Other eye Vision Less than Operated Eye
 - Other Eye patching not very relevant

Conclusion

- Other Eye patching during topical phacoemulsification
 - Improves fixation and patient cooperation
- Subjective responses
 - Corroborate well with objective video analysis
- Limitations of study
 - Small sample & single surgeon's response
- Larger study with multiple surgeons required