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Topical Anesthesia in Phacoemulsification with IOL Implantation

Ahmad Basem Baridi*

Abstract

Introduction: Purpose: to assess the efficiency of topical anesthesia in phacoemulsification with IOL implantation.

Setting: Department of Ophthalmology, Muasaa Hospital.

Materials & Methods: The research was carried on 56 eyes of 48 patients.

The cases were divided into two groups:

In the first group the surgery / phacoemulsification with IOL implantation / was done under topical anesthesia without any systemic premedication / 32 eyes of 30 patients/.

In the second group the surgery / phacoemulsification with IOL implantation / was done under topical anesthesia with systemic midazolam, and sometimes fentanyl /24 eyes of 18 patients/.

We used benoxinate hydrochloride 0.4% / Medicaine/.

We asked the patients to assess the pain and discomfort they felt during the surgery.

Results: There was no need to change the technique of anesthesia in any of the patients. In most of the cases /43 cases/ the patients didn't feel any pain at all. In the remaining 13 cases they felt a little pain and discomfort.

Discussions: The research has showed that Topical anesthesia in phacoemulsification with IOL implantation is an effective, easy, safe and economic, and provided more rapid visual rehabilitation.

Key Words:

- Topical anesthesia.
 - Phacoemulsification.
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