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21ST ESCRS WINTER MEETING MAASTRICHT 2017

In Conjunction with the Netherlands Intra Ocular Implant Club & the Belgian Society of Cataract & Refractive Surgeons

10 - 12 February 2017, MECC Maastricht, The Netherlands.
This Meeting has been awarded 15 CME credits.

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ESCRS is looking forward to taking part in the RCOphth Annual Congress next week. The joint symposium is titled: Dilemmas in cataract

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The effect of 1.4% sodium hyaluronate(Bio-Hyalur Plus) viscoelastic device on c endothelium after uneventful phacoemulsification surgery

Poster Details

First Author: U. Celik *TURKEY*

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Abstract Details

Purpose:

To evaluate the safety and efficacy of 1.4 % Sodium-Hyaluronate(Bio-Hyalur Plus, Biotech \ Gujarat, India) used during capsulorhexis and intraocular lens (IOL) implantation in phacoemulsification surgery.

Setting:

Cataract and Refractive Surgery Department

Methods:

Fifty seven eyes of 57 patients (65.6 ± 7 years old 22M/35F) were enrolled to the study. The endothelial cell density (ECD) changes, after uneventful cataract surgery, were screened retrospectively.

Results:

The mean preoperative ECD was 2615.68 ± 166.74. Postoperative 1st week, 1st month and ECD values were 2525.20 ± 192.21, 2506.04 ± 176.14, 2503.06 ± 152.28 respectively. Decrea: after 1st week of the surgery was not significant on 1st and 3rd months follow ups. (p > 0.0

Conclusions:

The 1.4 % Sodium-Hyaluronate(Bio-Hyalur Plus) effectively protected the endothelium in p with, in phacoemulsification surgery. The endothelial cell density preservation in 1st and 3 proved its safety.

Financial Disclosure:

None

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