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This Friday the Journal of Cataract and Refractive Surgery Symposium 'Controversies in Cataract and Refractive Surgery' will be held during #ESCRS2020 Virtual Congress. Here's a reminder of who's speaking and when [ov.ly/Lb9t50BwFLZ](https://www.youtube.com/watch?v=Lb9t50BwFLZ)

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[SYMPOSIA TRACK](#)

[YO TRACK](#)

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[MAIN SYMPOSIA](#)

[BINKHORST MEDAL LECTURE](#)

[BEST OF THE BEST REVIEW SESSION](#)

[CLINICAL RESEARCH SYMPOSIA](#)

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[HOTELS](#)

[CONGRESS VISAS](#)

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Three years' results with a new phakic IOL in patients with myopia

**Poster Details**

First Author: A.Ağca [TURKEY](#)

Co Author(s): D. Yasa I. Cakir

**Abstract Details**

**Purpose:**

To report three years clinical experience with a foldable, hydrophilic acrylic, single piece, injectable, Phakic IOL.

**Setting:**

Prof. Dr. Nesat Beiger Beyoglu Eye Research and Training Hospital, Istanbul, Turkey

**Methods:**

Retrospective analysis of 44 eyes of 22 patients who underwent phakic IOL implantation surgery from May 2015 to June 2016 was carried out. All the patients were implanted with hydrophilic acrylic phakic IOL (Eyceryl Phakic IOL, Biotech Vision Care, Ahmedabad, India). Keratometry, manifest refraction, endothelial cell count, uncorrected visual acuity (UCVA) and best-corrected visual acuity (BCVA) at various distance, and vault were obtained at 1, 3, 6, 12, 24 and 36 months after surgery. Adverse Events/complications observed during and after surgery were also recorded.

**Results:**

The study included 44 eyes of 22 patients. Uncorrected Distance Visual Acuity (UCDVA), Uncorrected Intermediate Visual Acuity (UCIVA) and Uncorrected Near Visual Acuity (UCNVA) were 0.29 ± 0.25 logMAR, 0.29 ± 0.25 and 1.52 ± 0.84) respectively after 36 months of surgery. Refractive spherical equivalence and endothelial cell count were -12.75 ± 3.25 D and 2720.4 ± 337.78 cells/mm<sup>2</sup> at pre-operative visit, -0.20 ± 0.84D and 2725.5 ± 887.10cells/mm<sup>2</sup> respectively at 36 months after surgery.

**Conclusions:**

Based on our three years postoperative experience, we have found Eyceryl Phakic IOL is safe and effective for treating mild and moderate myopia.

**Financial Disclosure:**

None

[Back to Poster listing](#)

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- Home
- About
- Publications
- Lisbon 17
- Meetings
- Education
- ESCRS Player
- Abstracts
- ESCRS YO's
- ESONT
- EuroTimes
- JCRS
- Liobon 2017
- Maastricht 2017
- Copenhagen 2016
- Athens 2016
- Barcelona 2015
- Istanbul 2015
- London 2014
- Ljubljana 2014
- Amsterdam 2013
- Warsaw 2013
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- Information
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