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EUREQUO knowledge series

Summary from publications

Changing practice patterns in European cataract surgery as reflected in the European Registry of Quality Outcomes for Cataract and Refractive Surgery 2008-2017.

J Cataract Refract Surg. 2020 Oct 16. doi: 10.1097/j.jcrs.0000000000000457. Online ahead of print.J Cataract Refract Surg. 2020. PMID: 33086294

Leading technique - summary

- Topical anaesthesia >70%;
- Phacoemulsification + PC IOL >98%;
- Hydrophobic acrylic IOL ≈ 90%;
- Surgical complication ≈ 1.2%.

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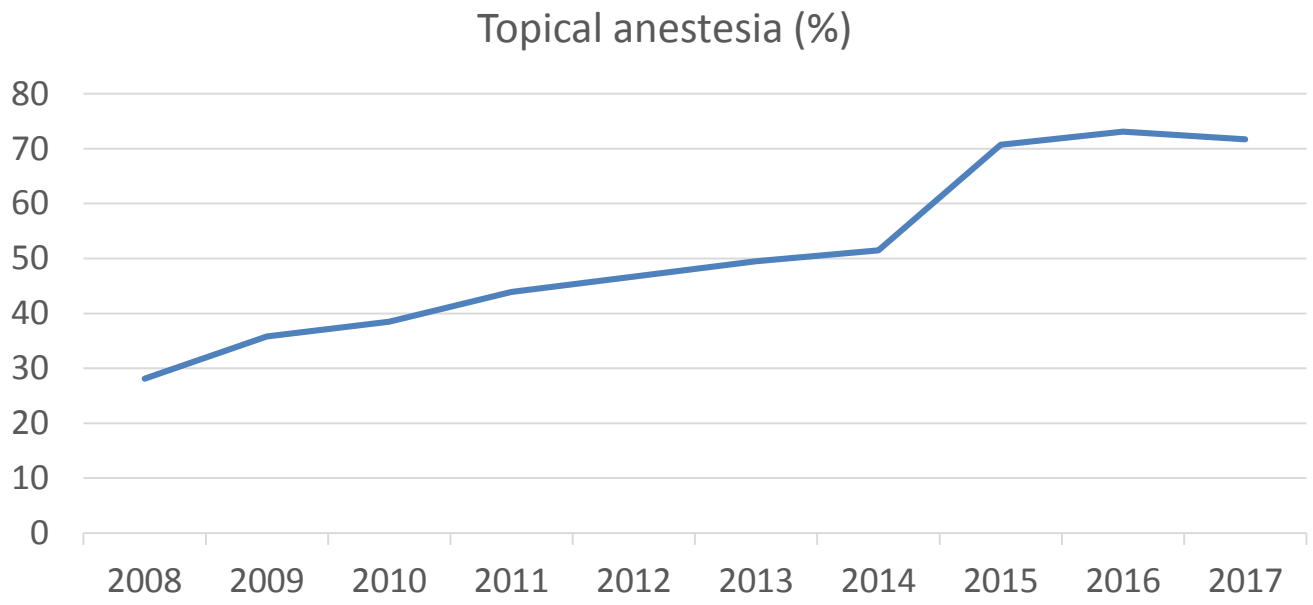

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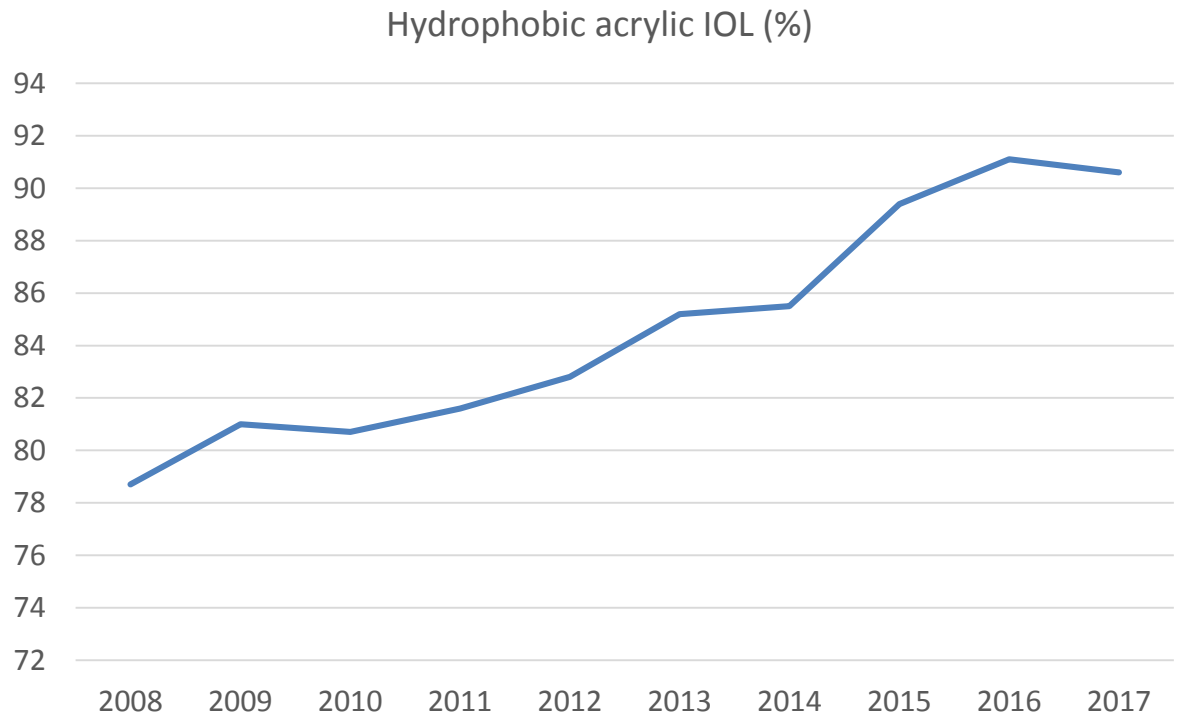

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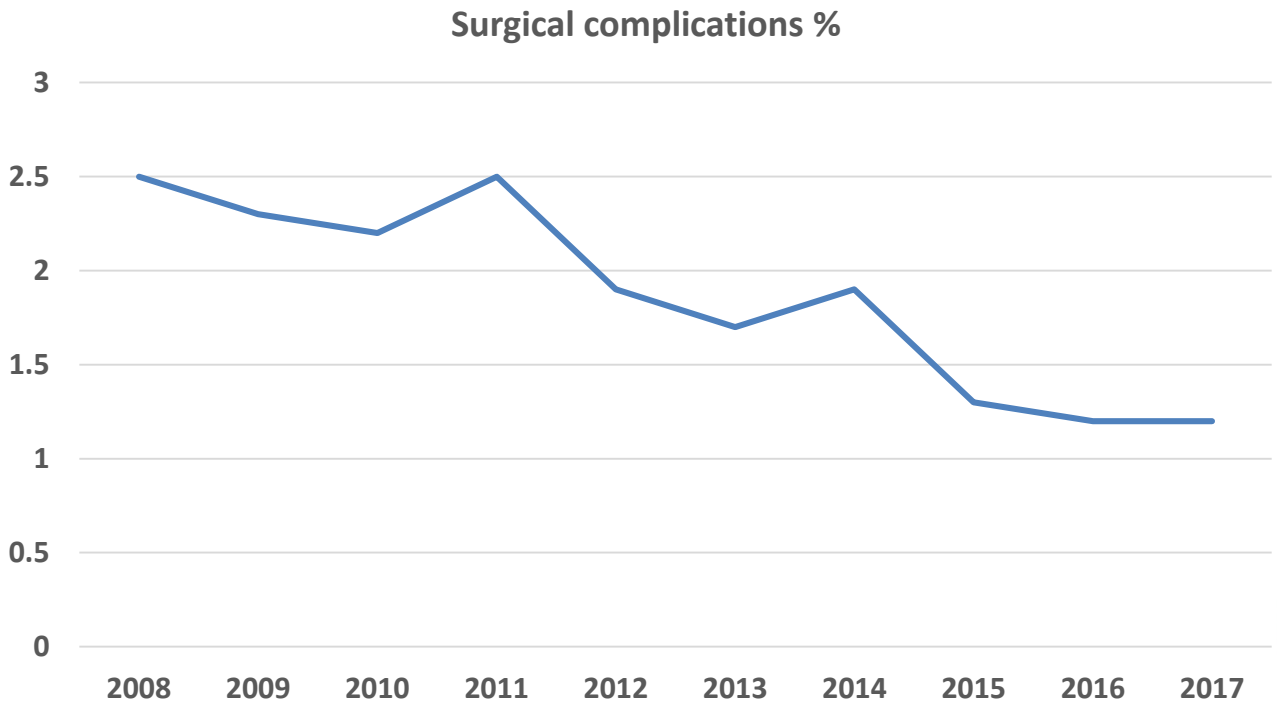

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Visual outcome

- **All cases:**
- Mean CDVA logMAR 0.05, decimal 0.8.
- Over 70% achieved logMAR 0.0 (decimal 1.0) or better. 95% achieved logMAR 0.3 (decimal 0.5) or better.
- **Best cases (no ocular comorbidity):**
- Mean CDVA logMAR 0.02, decimal 1.0.
- Over 80% achieved logMAR 0.0 (decimal 1.0) or better. 98% achieved logMAR 0.3 (decimal 0.5) or better.

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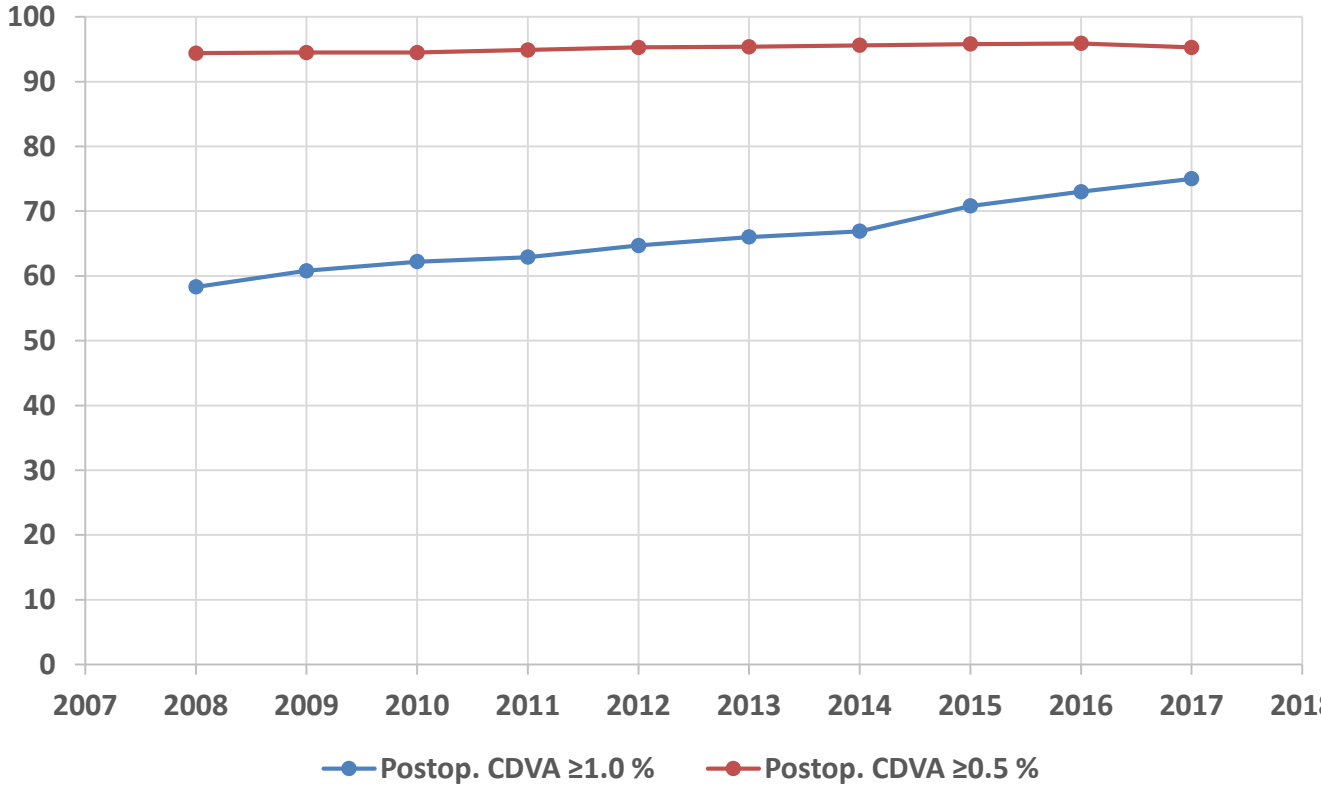
Visual outcome % (corrected distance visual acuity)



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Refractive outcome

- Absolute median refractive prediction error: 0.30 D.
- Refractive prediction error within ± 0.5 D: 73%.
- Refractive prediction error within ± 1.0 D: 93%.

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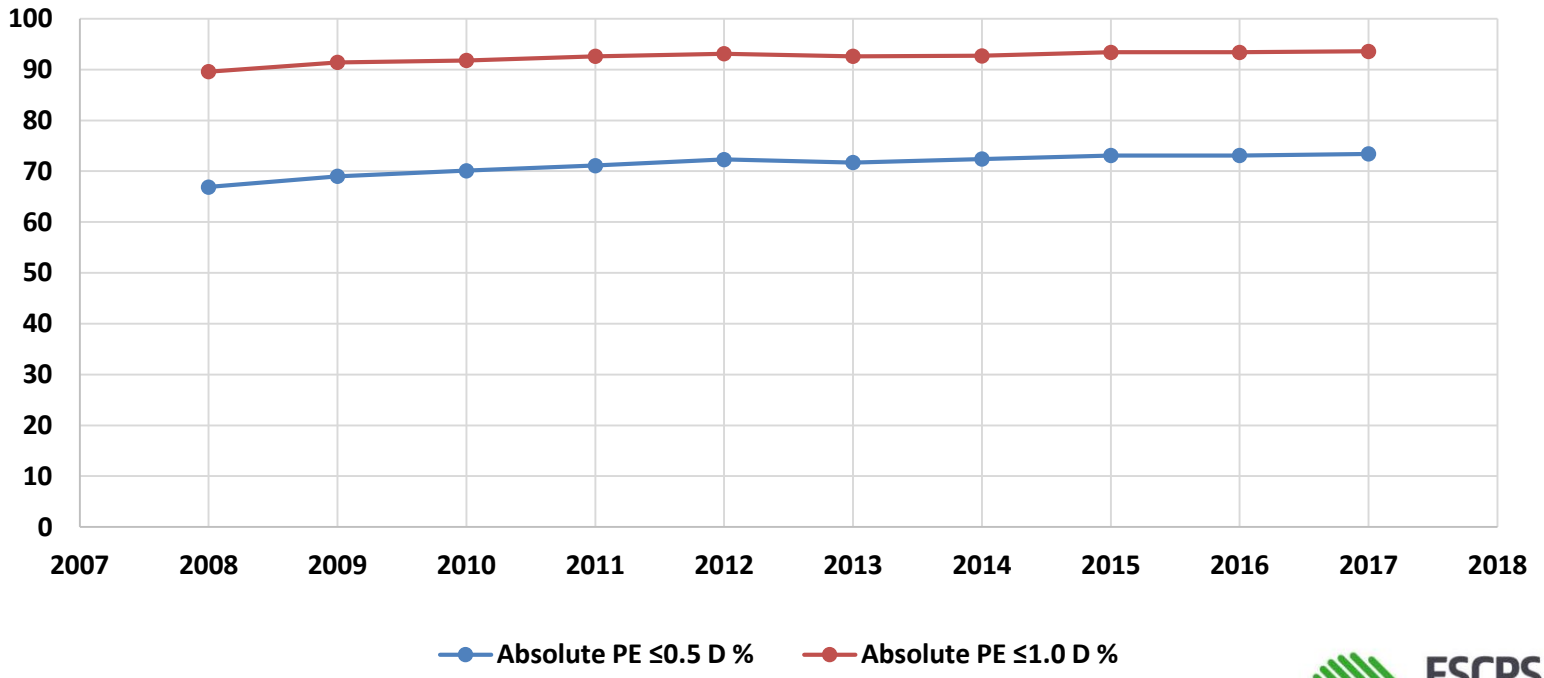
Refractive outcome



PE = Prediction error; D = Dioptre

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