



Intraocular Pressure on Postoperative Day 1 After Femtosecond Laser-Assisted Phacoemulsification

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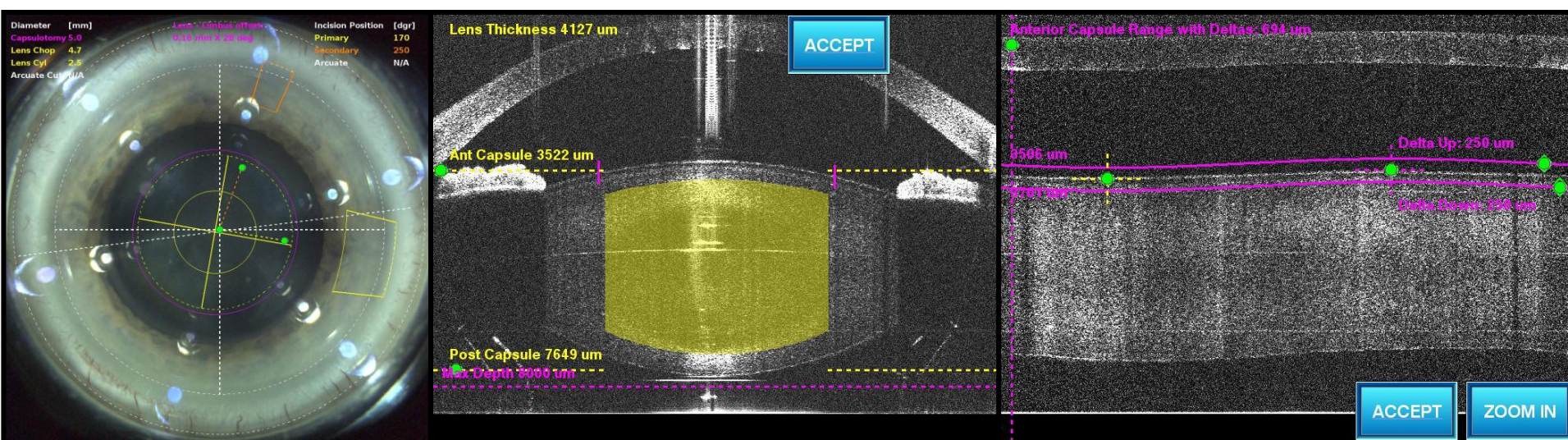
Charleston, South Carolina

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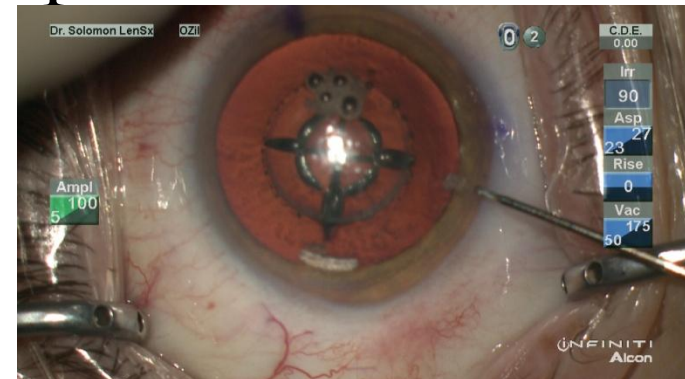
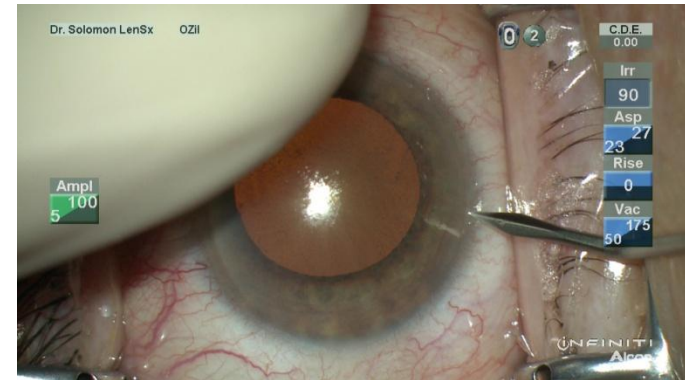
Purpose

- To assess intraocular pressure (IOP) between patients undergoing femtosecond laser assisted phacoemulsification and compare it to conventional surgery on day 1 after surgery.



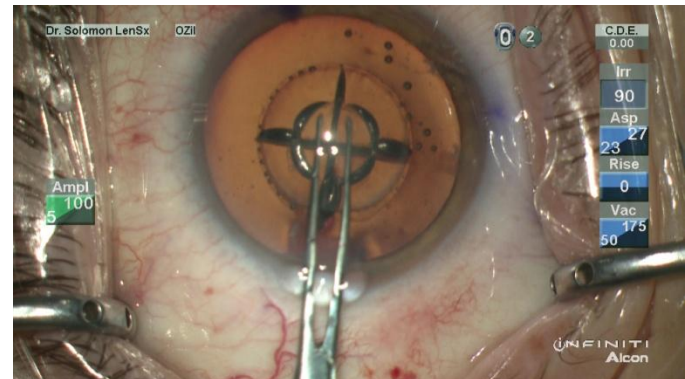
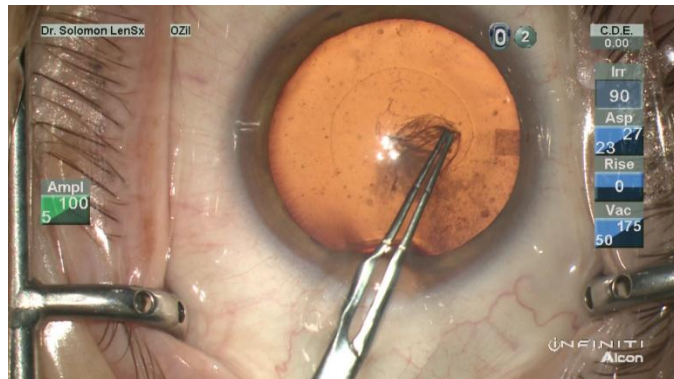
Methods

- Retrospective chart review
- Routine, uneventful phacoemulsification between August and December 2012.
- Charts were divided in two groups:
 - femtosecond laser assisted
 - conventional cataract surgery.



Methods

- All variables (age, preoperative and postoperative IOP) passed the normality test (Shapiro-Wilk test, $P > 0.05$)
- A $P < 0.05$ was considered statistically significant (t-test.)

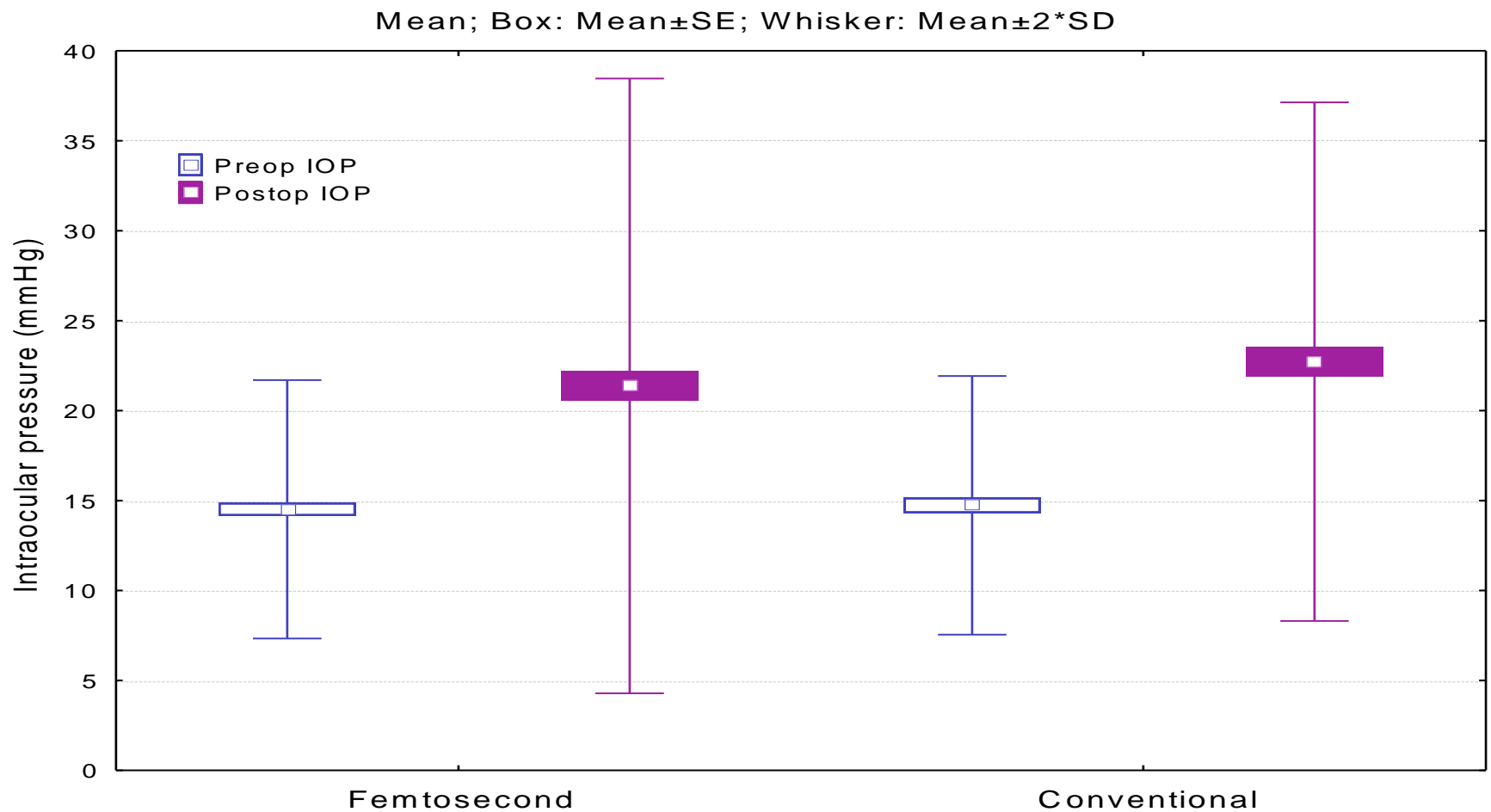


Results

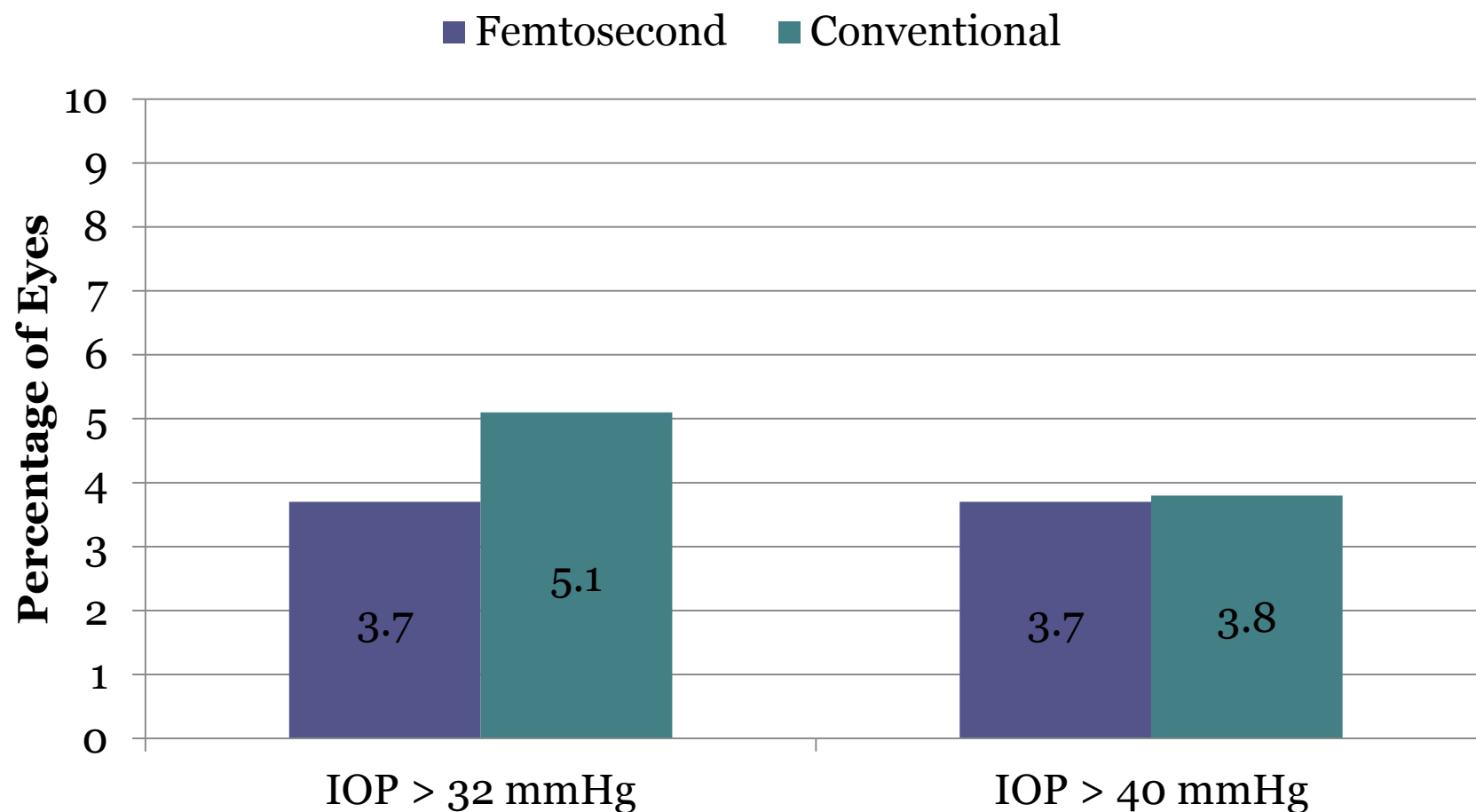
- Total of 185 eyes of 119 patients were included
 - Femtosecond assisted cataract: 107 eyes
 - Conventional phacoemulsification: 78 eyes

	Femtosecond	Conventional	<i>P</i> -value
Age (years)	68.9 ±6.1	70.6 ±7.1	.076
Preoperative IOP (mmHg)	14.5 ±3.4	14.7 ±3.6	.756

Results



Results



Conclusion

- The use of femtosecond laser during routine phacoemulsification did not show an increased IOP during postoperative day 1 compared to conventional phacoemulsification.