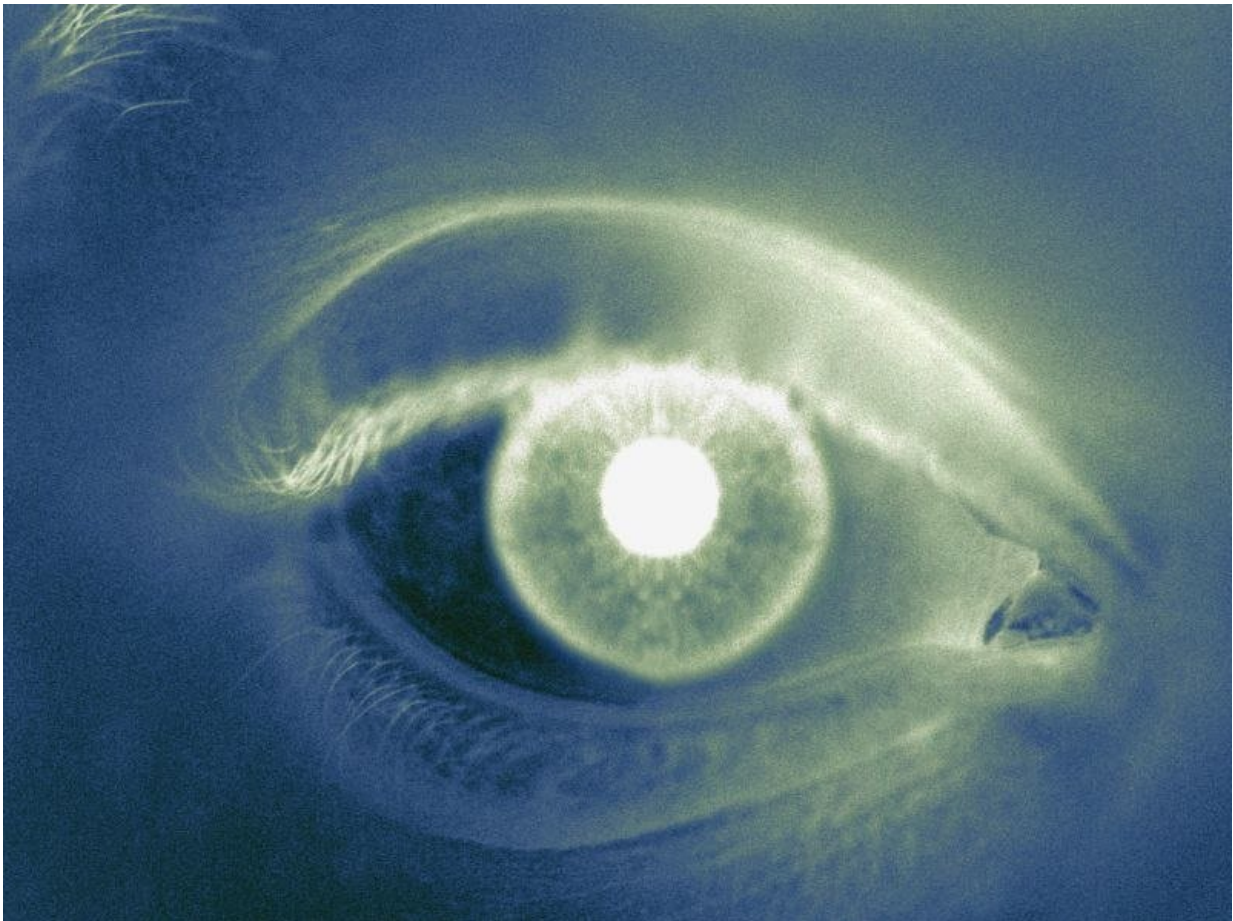


Femtosecond laser safer for post-vitrectomy cataract surgery

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(HealthDay)—Femtosecond laser-assisted cataract surgery demonstrates

comparable visual outcomes to conventional phacoemulsification, with a trend toward better intraoperative and postoperative safety, according to a study published online Dec. 14 in *Clinical & Experimental Ophthalmology*.

Ellen F. Wang, M.B.Ch.B., from the New Zealand National Eye Centre in Auckland, and colleagues compared visual outcomes and [adverse outcomes](#) for femtosecond laser-assisted cataract surgery and conventional phacoemulsification among vitrectomized eyes of consecutive patients treated by a single, private-practice surgeon. The last 25 surgeries performed before acquisition of a femtosecond laser and the first 25 performed after acquisition of the laser were included in the study.

The researchers found that while most outcomes, including preoperative logMAR best corrected [visual acuity](#), [postoperative](#) logMAR best corrected visual acuity, posterior capsule complications, and cystoid macular edema, were not significantly different between groups, [femtosecond](#)-assisted surgery showed a trend toward a better intraoperative and postoperative safety profile. Only postoperative YAG capsulotomy was significantly different between the methods (16 versus 48 percent).

"Femtosecond laser offers a theoretical advantage in reducing complication rates in post-vitrectomy eyes; further larger studies are needed," the authors write.

More information: [Abstract](#)
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