

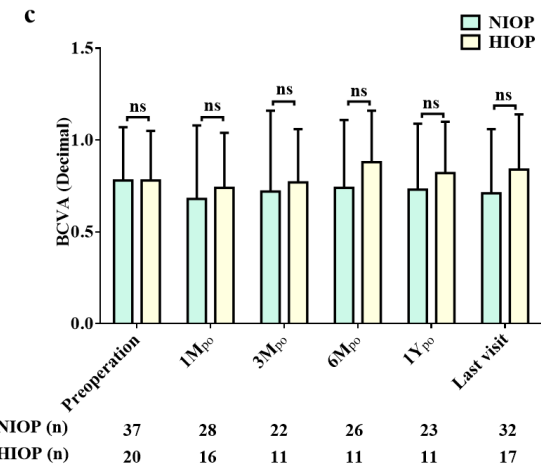
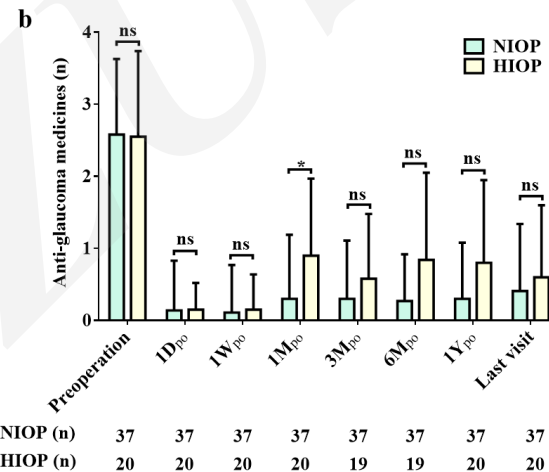
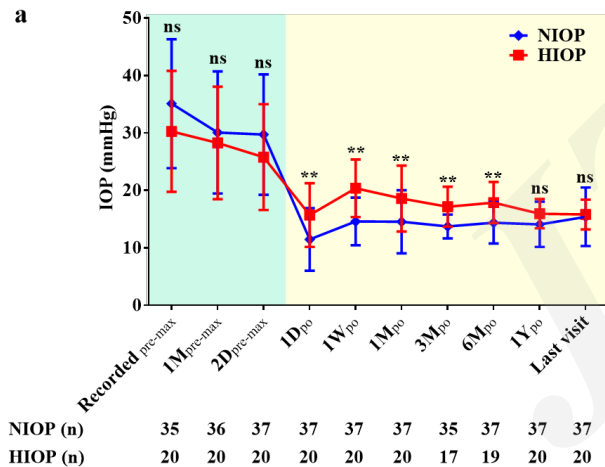
Cite this as: Lijuan XU, Xinyao ZHANG, Yang CAO, Yin ZHAO, Juan GU, Wenqing YE, Xiaojie WANG, Jinxin LI, Ruiyi REN, Yuanbo LIANG. Incidence and risk factors of early transient intraocular pressure elevation after canaloplasty for primary open-angle glaucoma[J]. Journal of Zhejiang University Science B, 2023, 24(4): 366-370.
<http://doi.org/10.1631/jzus.B2200485>

Incidence and risk factors of early transient intraocular pressure elevation after canaloplasty for primary open-angle glaucoma

Key words: Early transient intraocular pressure elevation, canaloplasty, primary open-angle glaucoma, risk factor

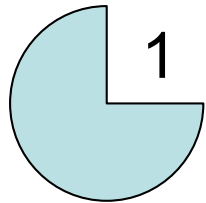
Innovation points

- This study analyzed the incidence and risk factors of IOP elevation within the first three postoperative months following canaloplasty.

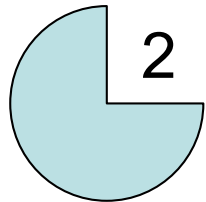


Pre- and postoperative distribution of IOP (a), anti-glaucoma medications (b) and BCVA (c) in the NIOP and HIOP groups.
 ** $p \leq 0.01$, * $p \leq 0.05$, ns: non-significant.

Innovation points



Approximately 40% of the patients who underwent canaloplasty experienced early postoperative IOP elevation. Of these, 70% had transiently elevated IOP, and 30% showed persistently high IOP and were deemed to have surgical failure.



Patients with high intraocular pressure (HIOP) after canaloplasty were more likely to have higher $IOP_{\min-1w}$ and worse surgical outcomes. Postoperative $IOP_{\min-1w} \geq 12$ mmHg was a risk factor for HIOP.