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Clinical evaluation of two types of microkeratome for laser in situ keratomileusis (LASIK)[Tagawa, K.](#)^{a d}, [Kawasaki, K.](#)^b, [Higashide, T.](#)^c ^a Dept. of Ophthalmol., Yatsuo General Hosp., Yatsuo Nei Toyama, Japan^b Jinzu Eye Clin.^c Dept. of Ophthalmol., Div. of Neurosci., Kanazawa Univ. Grad. Sch. Med. Sci.^d Department of Ophthalmology, Yatsuo General Hospital, Yatsuo Nei Toyama 939-2376, Japan**Abstract**

We performed laser in situ keratomileusis (LASIK) on 155 eyes using either of two types of microkeratome produced by Moria. Manually operated LSK-ONE was used for 76 eyes. Autorotary M2 was used for 79 eyes. Incidence of irregular flap was significantly less with M2 than LSK-ONE. There was no significant difference between the two microkeratomes regarding: free cap, buttonhole, incomplete pass, canthotomy, corneal epithelial defect, bleeding pannus, epithelial ingrowth, or retreatment. Suction time averaged 24.5 ± 19.8 sec for LSK-ONE and 26.1 ± 5.8 sec for M2. While the average had no significant difference, the deviation was greater for LSK-ONE than M2. The findings show that M2 may be safer and easier for LASIK than LSK-ONE.

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 Tagawa, K.; Department of Ophthalmology, Yatsuo General Hospital, Yatsuo Nei Toyama 939-2376, Japan

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