

氩激光小梁成形术治疗 开角型青光眼

——4年随访报告(摘要)

彭大伟

(中山眼科中心眼科医院)

Philip House Richard Cooper

(西澳洲大学眼科)

用氩激光小梁成形术(ALT)治疗79例105眼开角型青光眼的4年疗效。总有效率78%,平均眼压下降1.34kPa(10.04mmHg),4年内疗效稳定。全部病例均为最大耐受量药物治疗无效拟作滤过性手术者,ALT术后83%病例在4年内可避免作滤过性手术。失败的23眼中有21眼在ALT后半年内眼压回升,另2眼在第3年回升,18眼(17%)须作滤过性手术。ALT术后42.9%的病例其用药种数减少。年岁较大(>60岁)、眼压<4.0kPa(30mmHg)且病情较轻者则疗效较佳;严重损害的晚期青光眼(C/D $\geq$ 0.9,视野<20°)对ALT的反应较差,近60%在ALT术后仍须作滤过性手术。

关键词 氩激光小梁成形术 开角型青光眼

ARGON LASER TRABECULOPLASTY FOR OPEN ANGLE GLAUCOMA: A FOUR YEAR FOLLOW-UP

Peng Tawai

(Eye Hospital, Zhongshan Ophthalmic Centre, Guangzhou, China)

Philip House Richard Cooper

(Department of Ophthalmology, University of Western Australia, Perth, Australia)

Seventy nine patients (105 eyes) with uncontrolled open angle glaucoma underwent argon laser trabeculoplasty(ALT). The average pressure drop was 1.43kPa(10.7mmHg) in 58 eyes at one year, 1.35kPa(10.1mmHg) in 35 eyes at two years, 1.32kPa(9.9mmHg) in 48 eyes at three years and 1.36kPa(10.2mmHg) in 24 eyes at four years. The mean success rate was 78%, failures occurred in the first six months in 21 of 23 eyes, the remaining eyes failed at three years, 18 eyes (17%) required filtering surgery. Average medication scores varied little from year 1 through year 4, 45 eyes (42.9%) were being treated with few medications after ALT. The results of ALT depend on the severity of glaucoma: the eyes with advanced disc damage (C/D $\geq$ 0.9, visual field<20°) had 59% rate of filtering surgery, while the eyes with C/D 0.6~0.8, visual field>20° at ALT had a filtering surgery rate of 3%.

Key words Argon laser trabeculoplasty Open angle glaucoma