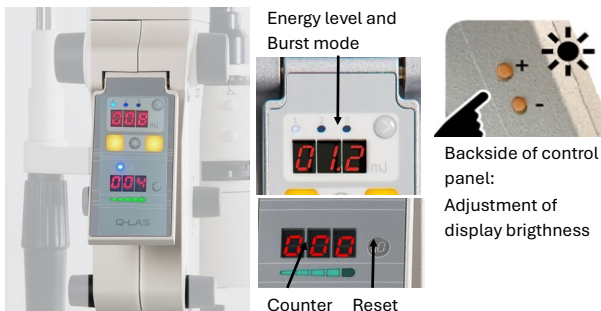




Treatment parameters:

	Range
Energy	0.8 - 3.5 mJ
Number of spots	typically: 10 - 35

Q-Las Control Panel



Patient preparation:

Application of local anesthesia
Application of mydriasis for pupillary dilatation

Treatment preparation:

Apply Capsulotomy YAG laser lens with sufficient amount of viscoelastica to avoid friction

Accessories:



Ocular Abraham Capsulotomy YAG Laser Lens (WE01244) or similar, and laser safety goggles (AS01033).

Application:

Use a narrow slit illumination

Focusing the laser beam on the posterior capsule through the Capsulotomy laser lens. The dual aiming beam has to merge to a single aiming beam indicating the focus of the Q-Las

Use the posterior focus shift (150 μ m or 300 μ m) to avoid lens pits

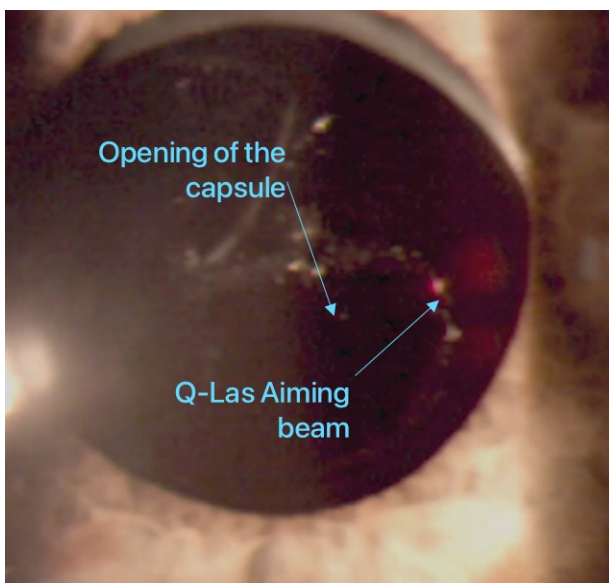
Apply single laser pulses when the laser is focused properly.

Start with low energy setting of 0.8 - 1 mJ

Increase energy stepwise until the posterior capsule breaks up

An opening of 3 – 5 mm on optical axis is performed
→ Different patterns are possible* (Circular-, cross-, flap-, spiral-, C-, H-, T-, U-, V-, +- shaped)

*A. Zhuravlyov: Hintere YAG-Kapsulotomie: Wahl des Applikationsmusters



Focus shift (150 μ m or 300 μ m) can be used, to protect the lens from lens pits

Post-treatment medication (exemplarily):

Anti-inflammatory ointment and drops



Treatment effect:

The aim of the treatment is the creation of a circular opening in the posterior lens capsule through plasma induced shockwaves as a result of the photodisruptive effect of Nd:YAG Q-Las

Indicated in secondary cataract to improve visual acuity and quality of vision

Effectiveness and Safety:

- ✓ Improvement of visual acuity
- ✓ Treatment in an outpatient department
- ✓ Quick (5 - 10 minutes in total) and easy
- ✓ Non-contact and non-invasive
- ✓ No to minor side-effects, pain free, atraumatic

Notes:

Patients with acute intraocular inflammation or acute reduced optical transparency of the cornea should not be treated!

Darkening of the room can be helpful for a more precisely focusing of the laser

Reduction of slit illumination to the lowest possible value and an adjustment of the aiming beam brightness to a sufficient high level simplifies the focusing

Scan QR code for
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Q-LAS Nd:YAG Laser

