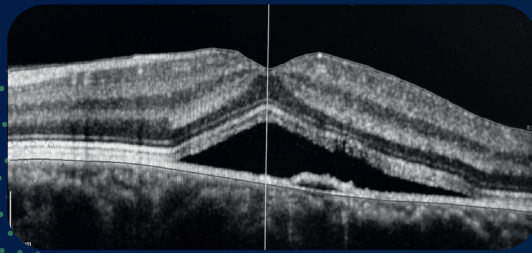
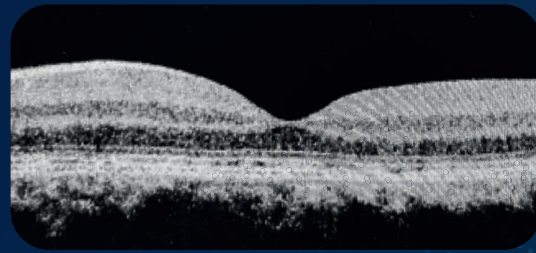


APL Mode – Microsecond Pulses for Precise Retinal Therapy in CSR and DME



RCS patient before APL therapy.



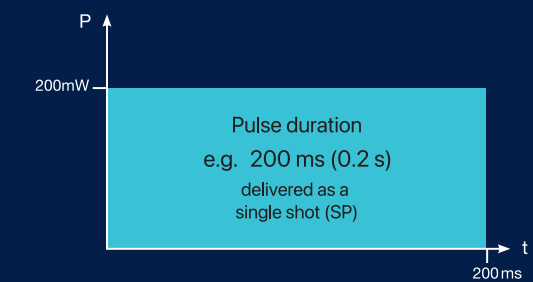
Patient 16 weeks after treatment.

With the kind permission of
Dr. Karola Wuzer (Fürth).

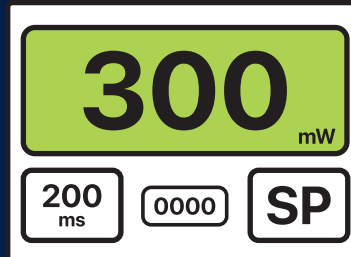
The continuous input of laser energy into the tissue leads to a steady temperature increase, which, once a certain threshold is reached, triggers the typical coagulation effect.

For targeted retinal therapy in the macular region, it is crucial to avoid this effect. Therefore, the energy is applied in microsecond pulses with a constant laser pulse duration, ensuring that only 5 to 15% (duty cycle) of the coagulation threshold energy is effectively used.

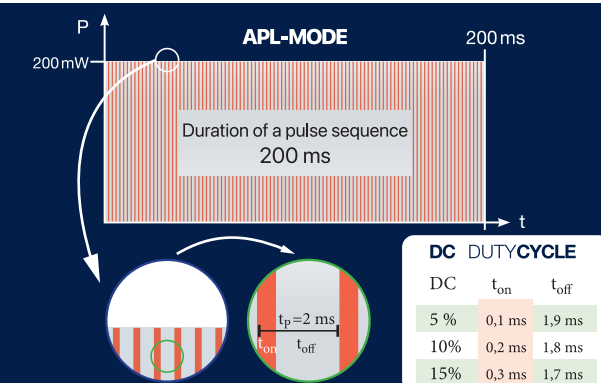
RETINAL COAGULATION



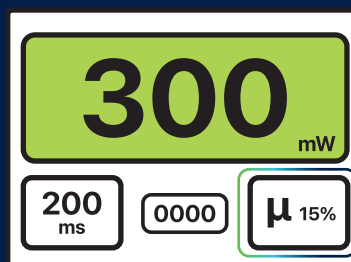
MILLISECOND PULSE



RETINAL THERAPY



MICROSECOND PULSES



CLASSIC⁵¹⁴ RETINAL LASER

A.R.C.
LASER
MADE IN GERMANY

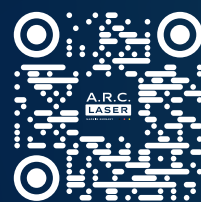
THE WORLD'S ONLY RETINAL COAGULATOR WITH ORIGINAL ARGON WAVELENGTH

ORIGINAL ARGON
100% COAXIAL
SOFT

ARGON
GREEN
Technology

APL MODE - INCLUDED
FOR PRECISE RETINAL THERAPY.

A.R.C.
LASER
MADE IN GERMANY



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CLASSIC 514 RETINAL LASER

The **retinal laser** for your practice!

**RETINAL COAGULATION
RETINAL THERAPY**

From precise **diagnostics** to a uniform **laser coagulation effect** and effective **retinal therapy** for CSR and DME.

With **A.R.C. Laser's** innovative and maintenance-free **ARGON GREEN** technology, you benefit from the **original wavelength** for retinal coagulation.

PCL 5^{SH}

The **PCL 5^{SH} SuperView** is perfectly tuned to the **CLASSIC 514** retinal laser:

- ➔ Beam diameter: 50 µm to 600 µm
- ➔ 5-step magnification adjustment
- ➔ Optimal depth of field for the posterior eye segment thanks to convergent microscope optics, optionally available in a parallel version
- ➔ Integrated TrueColour eye safety filter
- ➔ Laser application via hand trigger on the control stick or footswitch

CLASSIC 514

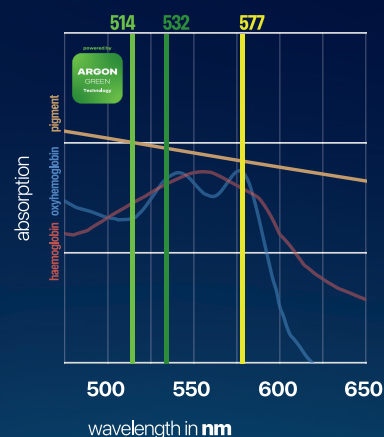
High-contrast display with a large, clear representation of laser power, easily visible from the side.

Intuitive, ergonomic operation:

- ➔ Raised buttons for adjusting laser duration and pulse timing
- ➔ Comfortable control wheel with haptic feedback for power adjustment
- ➔ Small, compact design for maximum workspace on the slit lamp table
- ➔ Continuous power range from 0.05 to 1.2 W



Original Argon wavelength gentle coagulation in a compact design



CLASSIC 514 offers maximum energy absorption in the RPE with minimal hemoglobin absorption compared to alternative retinal lasers.

Result:

The laser spots coagulate evenly without a hot-spot effect, minimizing the risk of bleeding.

powered by

**ARGON
GREEN
Technology**



The Argon wavelength – now in a compact, maintenance-free device.

The original Argon wavelength offers the following treatment benefits:

- ➔ Increased patient comfort due to significantly reduced pain perception
- ➔ Improved patient compliance and shorter treatment times for enhanced efficiency

pain perception



100% COAXIAL

The premium slit lamp PCL 5 SH with A.R.C. Laser SuperView provides outstanding visibility in the posterior segment – both centrally and in the periphery. Illumination, viewing, and the laser beam are 100% coaxially aligned, ensuring exceptional user comfort.

