

From Eye to Insight

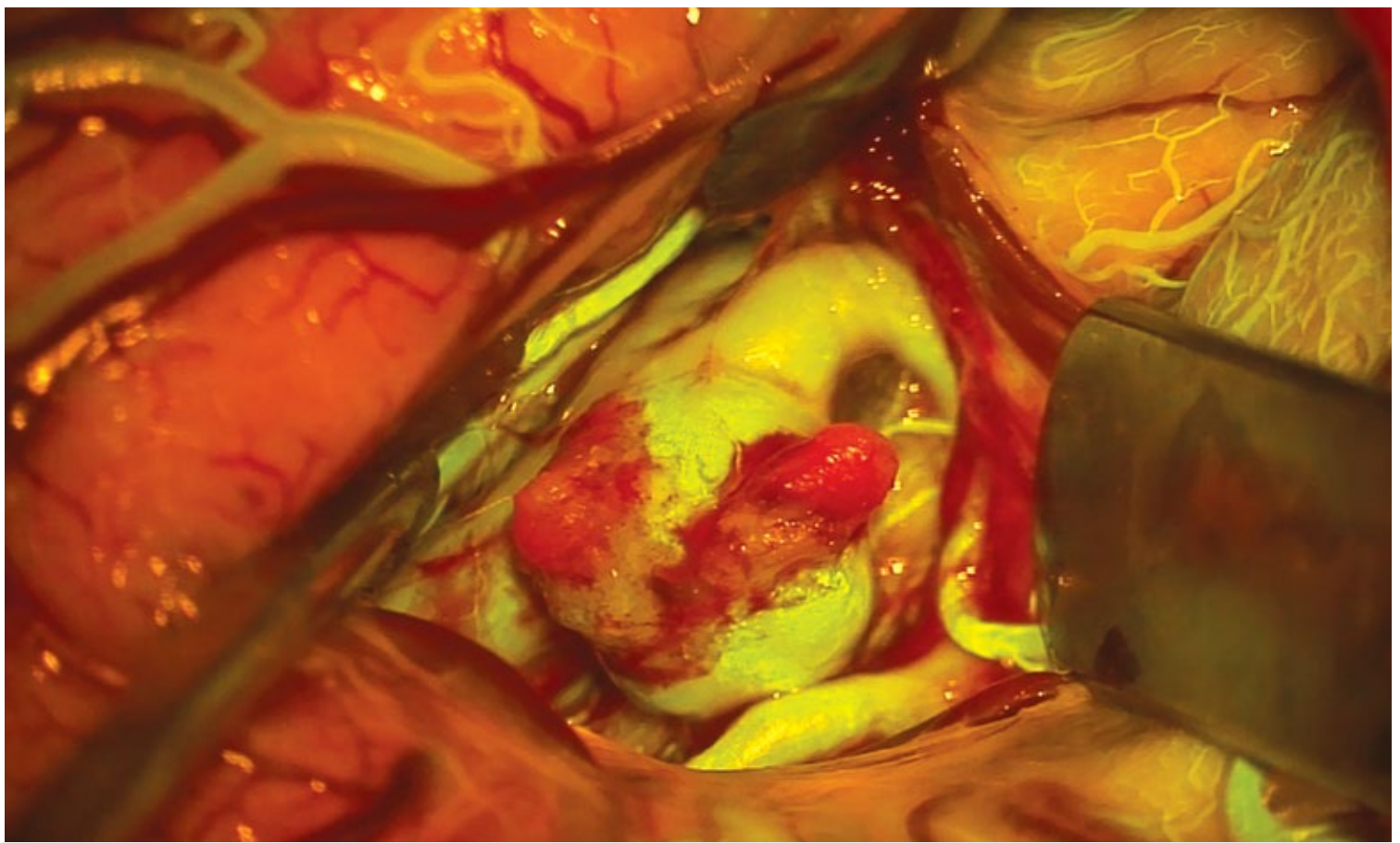
Leica
MICROSYSTEMS



Fluorescence filter for M530 OH6, M530 OHX
and M720 OH5 microscopes

FL560 FLUORESCENCE IMAGING

A decade of pioneering
fluorescence



Simultaneously observe naturally-colored anatomy and fluorescent areas in real-time, clearly differentiated and with high contrast.

Visualizing certain anatomical and physiological features during neurosurgery can be challenging with a standard microscope or near infrared ICG fluorescence. The FL560 fluorescence module enables you to view non-fluorescent tissue in natural color and simultaneously observe fluorescence in a bright yellowish-green color. It excites fluorophores with a peak between ~460 nm and ~500 nm (blue). The fluorescence emission observation comprises the green, yellow and red spectrum in a spectral band above ~510 nm.

One simultaneous view

The FL560 filter was designed to effectively separate fluorescence excitation light and the observation spectrum. When combined with premium Leica microscope optics, the result is a single real-time view of anatomy and fluorophores with clear differentiation and high-contrast.

Simplify your workflow

With a simultaneous view of anatomy and real-time fluorescence, you no longer need to switch back and forth between modes during surgery. Simply activate FL560 mode with a touch of the handgrip or footswitch thanks to full integration with your M530 OH6, M530 OHX* or M720 OH5 microscope.

Full integration today and tomorrow

The FL560 module can be seamlessly integrated into your M530 or M720 microscope at any time, thanks to our OpenArchitecture design. M530 OH6 and M530 OHX* microscopes include TriFluoro technology. This gives you the flexibility to have up to three modes of fluorescence (FL560, FL400, FL800) in a single microscope.

*Available configurations vary by country. Please check with your local Leica Microsystems representative for product availability and registration status in your country.



A decade of pioneering fluorescence from Leica Microsystems

- > **First** surgical microscope filter with FDA 510(k) clearance for FL800 vascular fluorescence with ICG
- > **First** surgical microscope with TriFluoro – three integrated modes of fluorescence in a single microscope
- > **First** surgical microscope with Augmented Reality (AR) fluorescence, GLOW800*
- > **First** surgical microscope filter with FDA 510(k) clearance for FL560 fluorescence

10 A DECADE OF
PIONEERING
FLUORESCENCE



Recording and display made easy

Share the view with your team in the OR via HD or 3D monitor and record in HD or 3D for later presentation and teaching. Start recording with the touch of a button. Mode Control technology from Leica Microsystems automatically activates the correct video display and recording settings that have been optimized for fluorescence and white light modes.

*Not cleared for sale in all regions. Please check the status of regulatory approval for your country with your local Leica Microsystems representative.

MICROSCOPE COMPATIBILITY

New and existing	M530 OH6 M530 OHX* M720 OH5
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TECHNICAL DATA

Fluorescence excitation	Peak of ~460 – ~500 nm (blue light)
Fluorescence signal	Emission observation comprising green, yellow and red spectral band \geq 510 nm

*Contact your local Leica representative for availability information.

Images courtesy of Prof. Dr. Cleopatra Charalampaki, Department of Neurosurgery, Cologne Medical Center, Germany and Prof. Dr. Hab. N. Med Marek Harat 10th Military Clinical Hospital, Bydgoszcz, Poland

REGULATIONS AND STANDARDS

- > Council Directive 93/42/EEC on Medical Devices (MDD) and its amendments.
- > IEC 60601-1 / EN 60601-1 Medical Electrical Equipment, Part 1: General requirements – including national differences of EU, CA, US.
- > IEC 60601-1-2 / EN 60601-1-2 Electromagnetic Compatibility.

The Medical Division, within Leica Microsystems (Schweiz) AG, holds the management system certificates for the international standards ISO 13485, and ISO 14001 relating to quality management, quality assurance and environmental management



CONNECT
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