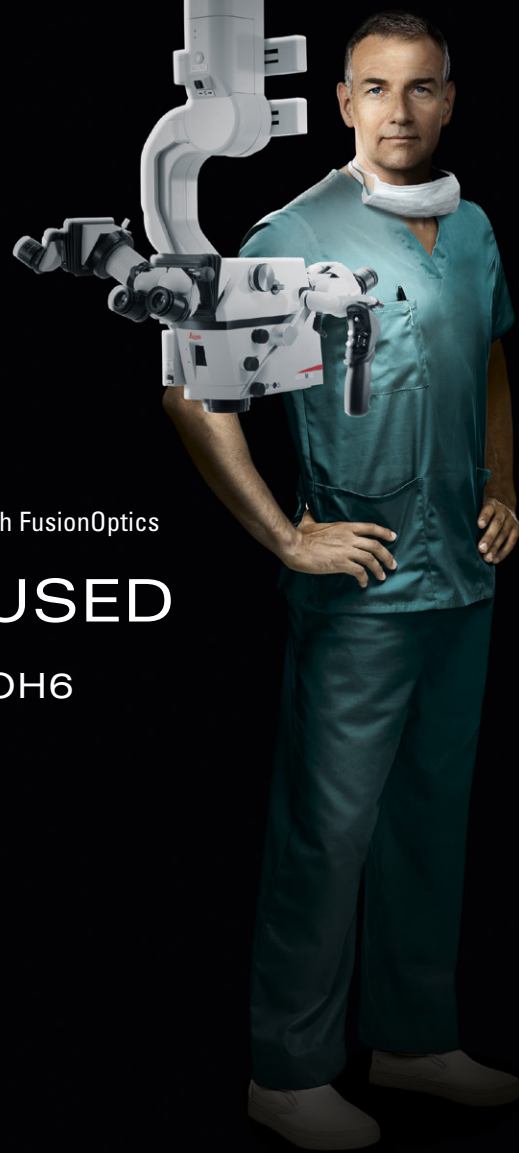


Premium Surgical Microscope with FusionOptics

**STAY FOCUSED**

with Leica M530 OH6



# STAY FOCUSED WITH FUSIONOPTICS TECHNOLOGY

**Maximum results need maximum view** – Combining FusionOptics, the exclusive groundbreaking technology from Leica Microsystems with advanced illumination and apochromatic optics, the Leica M530 OH6 takes image quality to a whole new level. The result is an unsurpassed view within deep, narrow cavities. And FusionOptics takes it one step further with an expanded area in full focus which means less time spent refocusing. The Leica M530 OH6 was designed to help you stay focused on what is important: delivering optimal results to your patient.



## FUSIONOPTICS TECHNOLOGY

1. Two separate beam paths.
2. One beam path provides depth of field.
3. The other provides high resolution
4. The two images are merged into a single, optimal spatial image by the brain.

### NEW – SEE MORE AND REFOCUS LESS WITH FUSIONOPTICS

By utilizing the power of the human brain, FusionOptics makes the impossible possible: high resolution and greater depth of field at the same time. FusionOptics utilizes stereo-microscopy, using two separate beam paths with separate information. The brain then easily merges both images into a single, optimal spatial image. The astounding result: a significantly expanded area in full focus.

FusionOptics technology offers a further advantage with the potential to streamline your workflow. A larger area in full focus means you can spend less time refocusing. So you can, in every sense of the word, stay focused.

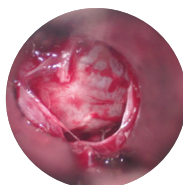
### NEW – GAIN DEEP INSIGHTS WITH STATE-OF-THE-ART ILLUMINATION

Small Angle Illumination (SAI) combined with bright 400 W Xenon illumination allows light to penetrate to the bottom of deep, narrow cavities. The result is:

- > Better illumination with less shadows in deep cavities
- > More details are revealed
- > Improved depth perception



Without SAI (400 mm Working Distance)



With SAI (400 mm Working Distance)

### NEW – CHOOSE WHAT YOU NEED WITH CUSTOMIZABLE OPTICS

Customize and adapt the Leica M530 OH6 optics to each individual user's preferences:

- > Independent fine focus for rear assistant with a range of +/- 5 diopters
- > Additional 40% magnification boost with the Leica Magnification Multiplier (optional)
- > Choose from different binoculars to fit your needs



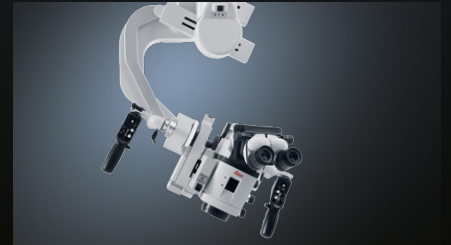
Bright 400 W Xenon light

## STAY FOCUSED WITH OPTIMIZED ERGONOMICS

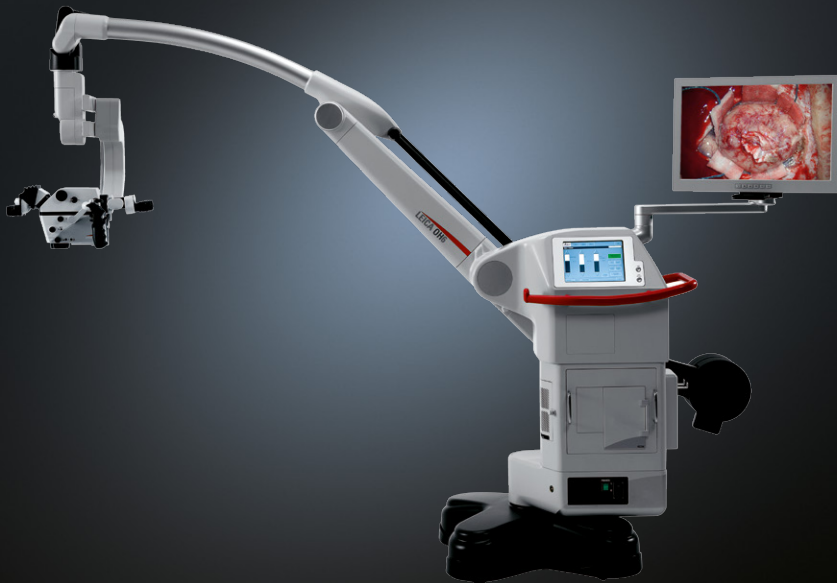
**Maximum performance needs maximum ergonomics** – Working in the most comfortable position possible is of utmost importance, especially during longer operations. That's why the Leica M530 OH6 was designed to fully adapt to you, not the other way around. Its comprehensive ergonomic concept and extreme maneuverability were developed in close cooperation with leading surgeons to meet even the most rigorous demands. With less physical distraction you can stay even more focused on the critical task at hand.

### THE STAND YOU KNOW YOU CAN RELY ON

- > Longest reach of any microscope in its class
- > Superior overhead clearance
- > Compact footprint to maximize OR space
- > Smoothly maneuverable with full range of movement and tilt of the optics carrier



Full range of movement and tilt of the optics carrier



### NEW – MORE ROOM TO WORK

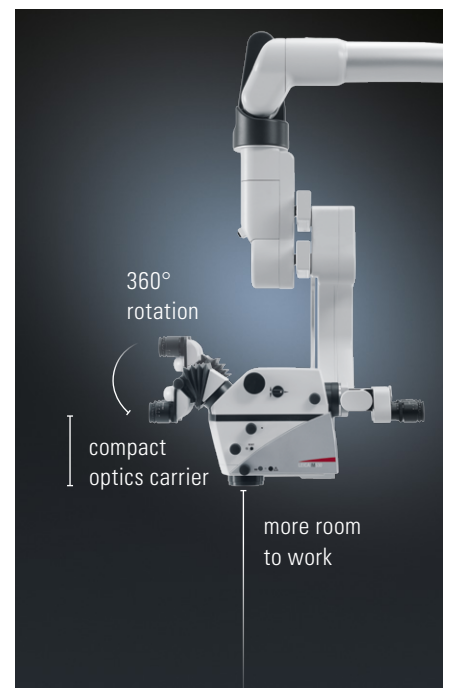
- > Unobstructed access to surgical area with market-leading **600 mm** working distance
- > Easily pass large instruments beneath the microscope during surgery
- > Compact design of optics carrier means less distance from eyepiece to objective lens



Comfortable working posture and large free working space during spine surgery

### FOCUS ON SPINE SURGERY

- > Increased working distance enables microscope use for spine procedures where previously only loupes could be used, as there is more space for maneuvering long instruments
- > Independent fine focus adjustment allows spine assistant to ensure optimal visualization
- > Enhanced comfort for spine assistant with flexible choice and positioning of binoculars
- > Adaptable to different operating positions and body frames with full 360° rotation on all binoculars



The compact optics carrier provides more room to work and facilitates a natural, ergonomic working posture for the surgeon.

## STAY FOCUSED FOR FUTURE CHALLENGES

**Equipped for the present, ready for the future** – The Leica M530 OH6's sleek, cable-free, fully integrated design houses a highly modular structure that can be individually configured to meet your needs. Leica Microsystems' OpenArchitecture and the unique, upgrade-ready design of the Leica M530 OH6, also offer you the possibility to upgrade whenever you choose, so you can keep your imaging technology up-to-date.

### 2D/3D HD IMAGING – MODULAR SYSTEMS

The Leica M530 OH6 upgrade-ready system allows for easy on-site upgrades of rapidly evolving imaging technology.



Select from integrated Leica HD C100 camera plus optional fluorescence modules



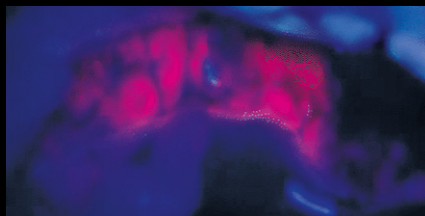
Integrated TrueVision 3D HD

### BEYOND THE VISIBLE - TRIFLUORO \*

With TriFluoro, three fluorescence filters can be supplied fully integrated into the M530 OH6. Switching between white light and fluorescence or between fluorescence modes requires just a few button clicks.

#### FL400 Oncological Fluorescence

The Leica FL400 for M530\* module is designed for intraoperative tumor fluorescence in conjunction with 5-ALA fluorescent agent



Glioblastoma tumor viewed with Leica FL400 and 5-ALA

#### FL800 Vascular Fluorescence

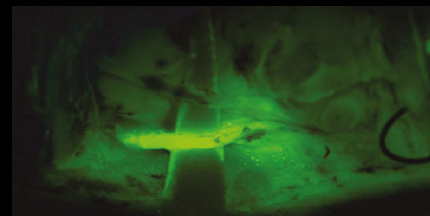
The Leica FL800 ULT module is designed for intraoperative vascular fluorescence with ICG fluorescent agent



Neurovascular structure viewed with Leica FL800 and ICG

#### FL560 Fluorescence

The Leica FL560 for M530\* module is used to observe fluorophores with an excitation peak from 460-500 nm (blue) and emission observation >510



Lymphatic drainage pathway viewed with Leica FL560

\* Please check the status of regulatory approval for your country with your local Leica Microsystems representative

### REGULATIONS AND STANDARDS

Class I surgical microscope Leica M530 OH6 incl. accessories  
Class IIa FL800 ULT

- > 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 9001, ISO 13485, and ISO 14001 relating to quality management, quality assurance and environmental management.



CONNECT  
WITH US!



Leica Microsystems (Schweiz) AG · Max Schmidheiny Strasse 201 · CH-9435 Heerbrugg  
T +41 71 726 3333 · F +41 71 726 3399

[www.leica-microsystems.com](http://www.leica-microsystems.com)