



over 80 % more flow!*

 THE
COBRA

First flexible dual-channel laser
uretero-renaloscope



First flexible dual-channel laser uretero-roscope

Up to now, laser lithotripsy with a flexible uretero-roscope was often a complicated and time-consuming form of therapy. At Richard Wolf, we looked into the problems involved and then took on the challenge. The result was well worth the effort. What emerged was an instrument that solves all the problems encountered by the user when fighting with flexible laser lithotripsy.

- ❑ Separate working channel for laser fibers to max. 365 µm
- ❑ Simple control of the laser fiber with special laser shifter
- ❑ Best picture quality due to option of irrigation through 2 channels at the same time or continuous irrigation
- ❑ Less damage to the working channel caused by laser fibers
- ❑ Faster working without constantly changing between laser fibre and stone basket

During laser lithotripsy with a standard flexible uretero-roscope, the laser fiber must be continuously exchanged for a tipless basket to retrieve the stone fragments from the kidney. The fiber must be reinserted repeatedly to disintegrate further concretions. This procedure needs to be repeated time and again not only costing time but also causing frustration and wear and tear on the instrument.

Here, our new flexible uretero-roscope "The COBRA" with 2 large irrigation and instrument channels is a considerable help. One channel is primarily for a laser fiber but can also be used exclusively as an irrigation channel. A further channel provides not only the option of continuous irrigation but also allows use of a stone basket, forceps and similar instruments up to 3 Fr. This channel can, of course, also be used for irrigation. This achieves a high-flow irrigation.

A special laser shifter allows a laser fiber up to max. 365 µm to be used and adjusted. The laser fiber is then aligned and fixed flush with the distal instrument tip. The instrument with the fiber (depending on the fiber diameter), in place can nevertheless be deflected up 270° in either direction. Once the stone has been localized, the laser fiber can be advanced until it makes contact with the stone and then activated. Following successful lithotripsy, a tipless basket can then be extended from the second channel to retrieve the stone fragments. Stones held in the basket can also be easily fragmented with the laser.

The two irrigation and working channels can be used either for continuous irrigation or both together with auxiliary instruments inserted for simple irrigation.

"The COBRA" can, of course, be used with all commercially available camera systems.



Special laser shifter

Once the stone is reached, the laser fiber can be advanced to make contact using the special laser shifter and then activated. It can be retracted back into the working channel when it is no longer needed.

270° deflection

Full deflection is possible even with laser fibers to 272 µm from Richard Wolf and with a 1.5 Fr. basket supplied by Dormia.

Brake mechanism / fixation

Brake mechanism for locking the instrument tip in the required position.

Advantages:

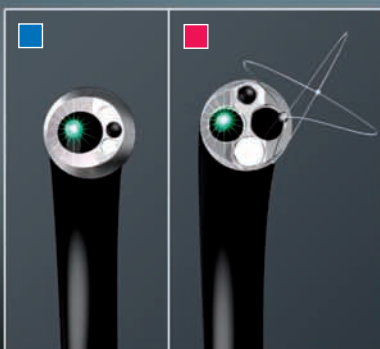
- ☐ Best picture quality thanks to continuous irrigation
- ☐ Separate working channel for laser fibers
- ☐ Special laser shifter for more effective work
- ☐ Fewer repairs due to fixed laser fiber
- ☐ Maximum reduction in time due to simultaneous use of laser fiber and stone basket
- ☐ Brake mechanism for locking the instrument tip
- ☐ Extremely straightforward handling of the laser shifter



Ideal Partner:

Our new MegaPulse 30+ Holmium: YAG Laser Systems are supplied in the small and compact version as a desktop or alternatively with the same performance as a mobile minitower.

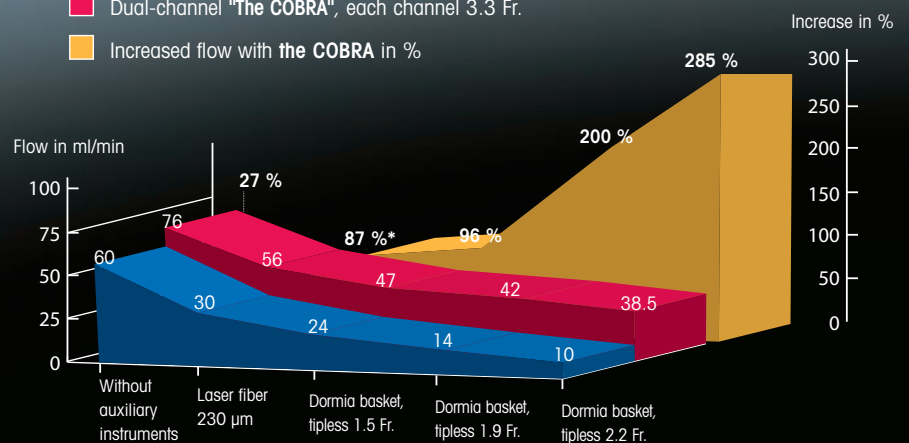
max. 30 watts
max. 4.0 joules
max. 25 hertz



Comparison of the standard instrument with "The COBRA"

Despite the use of two auxiliary instruments, there is still relatively **greater** irrigation performance than with a standard instrument **without** auxiliary instruments inserted.

- Standard working channel of 3.6 Fr.
- Dual-channel "The COBRA", each channel 3.3 Fr.
- Increased flow with the COBRA in %



*for use with a 230 µm laser fiber

First flexible dual-channel laser uretero-roscope

Technical data:

Distal tip:	6 Fr.
Sheath:	9.9 Fr.
Number of working channels:	2
Size of working channels:	each 3.3 Fr.
Deflection:	270° up, 270° down
Working length:	680 mm
Angle of view:	0°
Angle of view:	85°
Eyepiece:	Adjustable eyepiece with diopre compensation
Control lever:	With position lock at 0° with extended instrument tip and brake mechanism for locking in position
Endocamera:	Compatible with all commercially available camera systems

2-channel continuous irrigation laser URS "The COBRA" set

consisting of:

2-channel laser URS, flexible, 6 / 9.9 Fr., oblique distal tip 6 Fr., sheath 9.9 Fr., working and irrigation channel 3.3 Fr., working channel for laser fiber 3.3 Fr., angle of view 85°, direction of view 0°, with adjustable eyepiece, deflection in both directions 270°, brake mechanism for locking the instrument tip in position, WL 680 mm, case, with additional laser length control by laser shifter and fixation by clamping mechanism, additional irrigation tap on laser channel consisting of:

spring piece for laser fiber, orange (pack of 20) (15394144), gas steri valve (163.904), leak tester with bayonet connection (163.903), cleaning adapter (163.914), cleaning brush (7326911)

2-channel laser uretero-roscope (7326071)

Control lever distal,

deflection down73260711

as 73260711 but

2-channel laser uretero-roscope (7326076)

Control lever distal,

deflection up73260761

Recommended devices:

MegaPulse Desktop 30+ Set

comprising:

MegaPulse Desktop 30+ (2286001), door contact connector (2286520), 2 x water filter (2286521), 1 x laser safety glasses (2286522), laser stripping tool (2286523), ceramic scissors (2286524), key set (2286525) and foot-switch (2030122)22860010

MegaPulse Tower 30+ Set

comprising:

MegaPulse Tower 30+ (2286002), door contact connector (2286520), 2 x water filter (2286521), 1 x laser safety glasses (2286522), laser stripping tool (2286523), ceramic scissors (2286524), key set (2286525) and foot-switch (2030122)22860020

Laser fibers

for kidney stones with MegaPulse 30+ laser, fiber diameter 200µm, packed singly, sterile

disposable fibers487501200

reusable fibers87501200

Laser fibers

for kidney stones with MegaPulse 30+ laser, fiber diameter 272µm, packed singly, sterile

disposable fibers487501272

reusable fibers87501272

Uro Pump 2224

Pump for irrigation and continuous pressure and flow in upper

urinary tract.....22240011

Suction Pump 2207

Pump for continuous

aspiration.....2207.0011

CCD Endocam Controller 5520 Set

incl. autoclavable camera head with integrated zoom lens 11 - 26 mm

also usable with standard

camera heads85520.2122

optional

CCD Endocam Controller 5520 Set

also usable with standard

camera heads5520.2101

Camera head autoclavable

with integrated zoom lens85520.912

also:

Remote control5520.401

Flat monitor 24"

for a brilliant endoscopic image5370124
also:

Pedestal5370.0190

Recommended accessories:

Biopsy forceps, both jaws opening

WL = 920 mm, 3 Fr.829.601

Grasping forceps, both jaws opening

WL = 920 mm, 3 Fr.828.651

Flexible button electrode for coagulation

WL = 920 mm, 3 Fr.8741.80

Attachment

with instrument port7305.782

Biopsy valve retainer

for simple introduction of probes and

auxiliary instruments.....7265.851

also:

Sealing valve

for automatic sealing

(pack of 20)15114.068

Luer sealing cap for closing the

2nd Luer connector.....887.00

Adapter

for machine leak testing163.905

Light cable

Fiber bundle Ø 2.5 mm8061.253

optional

Light cable

Fiber bundle Ø 2.5 mm, with 90°

angled instrument attachment8062.251

For sterilization:

Cleaning set V (2 sets recommended)

with double luer lock tube connector

for flexible

Fiber uretero-scopes163910



Sterisafe® DURO A3 Set,

consisting of:

Sterisafe® DURO A3 (382031003), Toolsafe® lattice base (382031101),

for plasma sterilization

with disposable filter for H₂O₂

(pack of 100, 382031401)382032000

or

for EO and FA

with disposable filter for EO and FA

(pack of 100, 382031501)382032100