High Speed Dating

Solutions for enucleation and morcellation
In addition to established surgical techniques for the treatment of benign prostatic hyperplasia (BPH), new methods are becoming increasingly important in urology and a trend towards endoscopic enucleation of the prostate (EEP) can be observed in recent years. This is reflected in the EAU guidelines: EEP is cited here as the first choice for treatment of BPH for prostate glands > 80 ml.

Richard Wolf offers users a wide range of products for both laser and bipolar enucleation. The portfolio is completed by a highly efficient tissue morcellation system.
Bipolar enucleation
Impressive variety

Laser enucleation

Everything under control

- With an ergonomic working element based on "classic" resection
- Or a working insert that enables comfortable handling, particularly when carrying out lever movements during blunt enucleation of the prostate gland
- Snap-on mechanism for simple locking and release of the laser fiber guide tubes
- Gentle clamping mechanism for smooth insertion and fixation of laser fibers

Large selection

Richard Wolf offers different laser fiber guide tubes and a curette for the 24 and 26 Fr. SHARK continuous irrigation sheaths.

- A special stabilizer ("wing") in the distal area enables precise work
- The laser fiber guide tubes are suitable for bare fire laser fibers for HoLEP and ThuLEP from 550 to 1000 µm

Always the perfect tool

- 24 Fr. or 26 Fr. continuous irrigation laser resectoscope sheaths with ceramic tip
- 26 Fr. continuous irrigation laser enucleation sheath with atraumatic, thickened stainless steel tip for blunt enucleation of the prostate -- ideal for laser applications

Large selection of laser guide tubes

Top: Continuous irrigation laser resectoscope sheath with ceramic tip
Bottom: Continuous irrigation enucleation sheath with stainless steel tip
Power. Flexibility. Usability.

Carefully engineered to the smallest detail – the Holmium:YAG Laser MegaPulse 70+ sets new standards in precision and speed compared to conventional methods. In SOFT TISSUE mode, for example, through optimal adjustment of frequency and energy, holmium laser enucleation of the prostate (HoLEP), can be performed with "only" 70 watts, achieving outstanding results.

The MegaPulse 70+ is also suitable for ablation or resection of bladder, urethral and ureteral tumors, transurethral incision of the prostate (TUIP), slitting of urethral strictures, removal of condylomas or incision of the bladder neck.
Impressive variety

Bipolar enucleation

Enucleation – simply different

The bipolar enucleation electrode from Richard Wolf is the cost-efficient alternative to laser enucleation.

1 Distal wedge-shaped surface allows blunt, purely mechanical enucleation, as well as effective vaporization and incision with HF current.

2 Small electrode head for significantly more precise and finer work with simultaneously high mechanical stability – particularly in apical dissection.

3 Unique design for a multitude of applications enables enucleation, coagulation and vaporization.

4 Large "donut"-shaped surface
The special shape enables effective vaporization and coagulation with little loss of blood and minimized penetration of thermal energy into the surrounding tissue.

5 SHARK tip
The atraumatic ceramic tip of the SHARK inner sheath is used to tension the tissue before enucleation.
Bipolar enucleation of the prostate significantly improves symptoms and the quality of life in patients suffering from benign prostatic hypertrophy and is comparable to the results of TUR-P.

Today, most urological departments are equipped with a bipolar HF generator. Richard Wolf introduces the possibility to perform the enucleation of the prostate using the bipolar enucleation electrode and the instruments already available for resection.

In combination with our SHARK resectoscopes and the PIRANHA Morcellator, the bipolar enucleation electrode offers an interesting alternative to laser enucleation and an economical solution for EPP using HF surgery.
Consistent efficiency

Tissue morcellation


The PIRANHA tissue Morcellator combines maximum performance and comfort with optimal safety.

- High-speed rotary Morcellator with special blade geometry
- Optimized cutting geometry for larger, enucleated prostate tissue chips for pathological examination
- Larger suction window – eliminates the "ping-pong effect"
- Disposable product for maximum sharpness
- High torque for maximum cutting performance
- High-performance, lightweight handle
- Footswitch for easy changeover between the different operating modes
- "PIRANHA Mode" for suction and morcellation
- "Suction Mode" for suctioning and fixation of adenoma fragments as well as suctioning of blood clots
- Special collecting container to filter out tissue chips
- Single-use tube sets to facilitate work
Experience speed in a new way

The PIRANHA Blade Vmax offers you a unique combination of efficiency, controllability and maximum safety.

Maximum speed for shorter surgical times:
Using PIRANHA Blade Vmax, the average cutting performance increases by 82%.*

* Independent study by the Department of Urology, University Medical Center Mannheim (Germany), on the topic "Ex vivo – comparison of two electronic prostate morcellators", 2012.
A strong team
SHARK, MegaPulse 70+, PIRANHA, ENDOCAM Logic 4K

Simply economical: The complete system

SHARK laser resectoscopes
The SHARK resectoscope line achieves breakthrough dimensions in terms of quality, control and safety. SHARK combines innovative technology with many years of experience and user feedback from around the globe. The result is an uncompromising, truly high-quality system that makes your work more efficient.

ENDOCAM Logic 4K
With the ENDOCAM Logic 4K, Richard Wolf offers an impressive turnkey system for a wide range of endoscopy applications. Its tailored image formation and processing are continuously optimized to 4K.

The result: clear, pin-sharp images in very realistic colors that make the difference in endoscopy.

- Lossless lenses
- Ergonomic ENDOCAM Logic 4K camera head
- Innovative ENDOCAM Logic 4K Camera Controller
- Energy-efficient ENDOLIGHT LED 2.2 light source
**PIRANHA Morcellator**

The extremely atraumatic distal tip of the **PIRANHA Morcellator** is open at the top and significantly reduces unwanted aspiration of bladder mucosa.

When combined with our "Vmax Blades", this results in a highly efficient system for high-speed morcellation.

**MegaPulse 70+**

The **MegaPulse 70+** laser is a powerhouse. Its performance is not only impressive because of its outstanding high frequency and energy, but also because of the option to individually selectable pulse lengths in the EXPERT mode.

- **Power:** max. 70 watts
- **Energy:** max. 5 joules
- **Frequency:** max. 60 hertz

Thanks to its intuitive and comfortable handling, users easily master the three available tried and tested modes.

- **LITHOTRIPSY mode**
- **SOFT TISSUE mode**
- **EXPERT mode**
Order data
Recommended instrument combinations from our product portfolio*

**HoLEP, ThuLEP**
**SHARK continuous irrigation resectoscope**
26 Fr., 30°, for blunt enucleation of the prostate

Laser working element ........................................... 8654382
Optional:
Laser working insert ........................................... 8654383
PANOVIEW telescope
30° ................................................................. 8654.422
12° ................................................................. 8654.431
Fiber light cable, 2.5 mm
2.3 m complete ................................................. 806625231
Outer sheath
26 Fr. ............................................................... 8675426
Inner sheath with stainless steel tip
24 Fr. ............................................................... 8675524
Obturator
24 Fr. ............................................................... 8673324
Laser-fiber guide tubes
for inner sheath 24 Fr.
1000 µm, distal end straight .......................... 8654991
600 µm, distal end straight .......................... 8654993
600 µm, distal end slanted .......................... 8654995
600 µm, with distal ring .......................... 8654997
Curette (only fits with 8654382)
for prostate chips from 22 Fr.
600 µm .......................................................... 8654998

**Bipolar enucleation**
**SHARK continuous irrigation resectoscope**
24/26 Fr., 30°, for bipolar enucleation of the prostate

Bipolar working element, active, closed ........... 8680205
PANOVIEW telescope
30° ................................................................. 8654.422
12° ................................................................. 8654.431
Fiber light cable, 2.5 mm
2.3 m complete ................................................. 806625231
Outer sheath
26 Fr. ............................................................... 8675426
Inner sheath
24 Fr. ............................................................... 8675324
Obturator
24 Fr. ............................................................... 8673024
Viewing obturator
24 Fr. ............................................................... 8673124
Dilatations obturator
24 Fr. ............................................................... 8673224
Bipolar enucleation electrode
24 Fr., individual sterile packaging (PU = 3 pieces) 46400243

* These are recommended instrument combinations. In addition, Richard Wolf offers an extensive range of other instruments for enucleation. Additional information can be found at www.richard-wolf.com
Order data

PIRANHA
morcellation system

Power Stick M 4
Motor handpiece incl. connection cable ........8564.122

Power Control 2303
Motor Control Unit ........................................2303.001

Power cable ................................................... 2440.03

Suction pump 2208 ..............................................2208.0010

Single-use tube set
(PU = 10 pieces) ...........................................41702208

Single-use tissue collecting container
(UP = 10 pieces) .............................................2208120

Morcescope, 0°
in combination with SHARK outer sheaths

Morcescope
Capacity 5 mm, 2 irrigation channels,
for auxiliary instruments
up to Ø 4.8 mm .....................................................89704071

Fiber light cable, 3.5 mm
2.3 m complete ..................................................806635231

PIRANHA Blade Vmax rotary Morcellator
Single-use, individually sterile packaged
(UP = 3 pieces)
WL 335 mm .......................................................49700113
WL 385 mm (for Storz telescope) .................49700103
MegaPulse 70* set, comprising:
MegaPulse 70* laser (2286007), 2x laser protection goggles (OBM003603), 1x key set (2286525), 1x door contact plug (2286520), 2x blast shield (OAM001523),
1x filling bottle with tube (IAM000088), 1x double-pedal footswitch (2030232), 1x fiber-stripping forceps (2286527), 1x fiber-stripping forceps (2286523),
1x ceramic cutter with silicone pad (AGM000080),
1x accessories box for MegaPulse (KBM000103),
1x power cable 3 m (2286230) ...................... 22860070

Disposable laser fibers
ø 550 µm ............................................. 487501550*
ø 800 µm ............................................. 487501800
ø 1000 µm .......................................... 4875011000

Reusable laser fibers
ø 550 µm ............................................. 87501550*
ø 800 µm ............................................. 87501800
ø 1000 µm .......................................... 875011000

*Recommendation.
Other laser fibers for different applications can be found in the Urology catalog.

ENDOCAM Logic 4K Camera Controller complete
Comprising:
ENDOCAM Logic 4K Controller (5525301), handheld remote control (5525401), USB flash memory 32 GB (72321829),
HDMI / HDMI-cable, lockable 3.0 m (103847), power cable (2440.03) .................................................. 55253011

PENDUAL blue HD camera head
Bendable housing
for two operating modes:
1: pivoting camera head
2: straight camera head
Integrated lens f = 15 mm
Cable length: 3 m ........................................ 5525833

For this:
ENDOLIGHT LED 2.2 complete
Comprising:
ENDOLIGHT LED 2.2 (5164001)
and power cable
(2440.03) .................................................. 51640011