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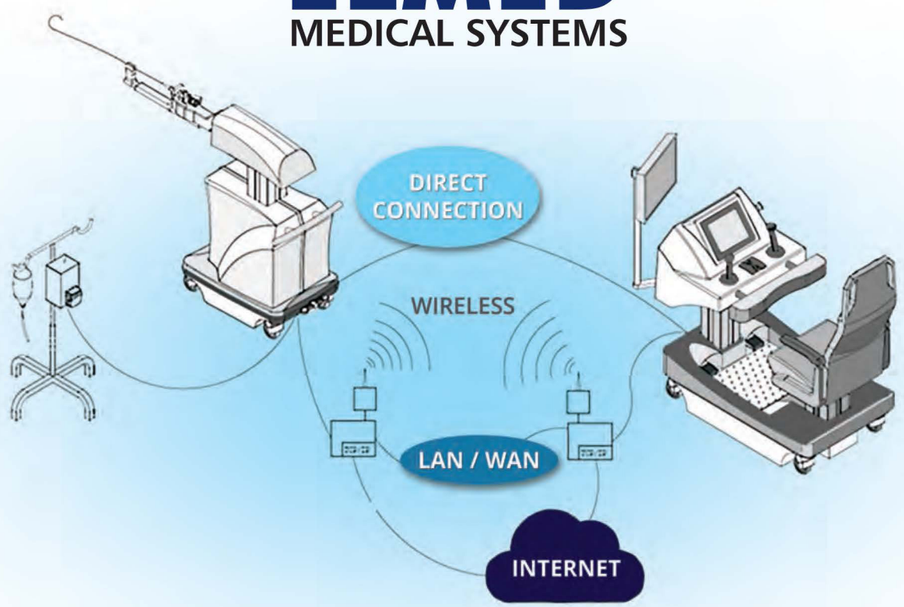
MEDICAL SYSTEMS



Robotic flexible ureterorenoscopy is the future, now!

ELMED™
MEDICAL SYSTEMS
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CE Approved

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* FDA Application Under Approval Review

Why do it manually?
When you can...

AVICENNA ROBOFLEX

ELMED™
MEDICAL SYSTEMS

ROBOTIC FLEXIBLE URETERORENOSCOPY

WHY **ROBOFLEX**

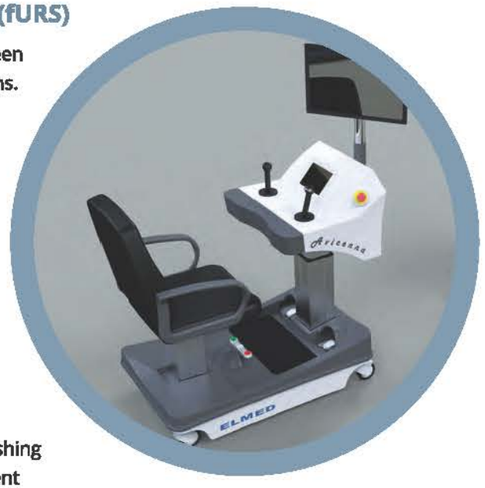
FURS or RIRS are rapidly evolving in the last decade. This approach has become a viable alternative to extracorporeal wave lithotripsy and percutaneous nephrolithiasis even for large renal calculi.

The problem is that the surgeon has to perform this procedure mostly in a standing position with suboptimal ergonomic. It may be one of the reasons for the need of second session and frequent repair of the endoscopes and other problems.

THE MAIN BENEFITS OF USING ROBOFLEX

- Surgeon perfect position and comfort during operation
- Ergonomic and better control of the ureteroscopic intrarenal movements that are accurate, precise and fine movements
- Less radiation for the surgeons during procedures
- Extended life of the ureteroscopes
- Fully control of irrigation flow during the whole procedure from a touch screen computer console
- Integration of imaging (endoscopic and fluoroscopy) at the touch of a foot pedal from sitting position from the control station
- fURS fast and easy, immediate learning curve for all users

RoboFlex Avicenna for Flexible Ureterorenoscopy (fURS)



RoboFlex Avicenna is the World's first endoscopy robot which has been invented and developed by ELMED™ for RIRS and FURLAS applications.

ROBOFLEX is a system which fragments and breaks any size of stone in calix of kidney by using natural the urinary tract without cutting or perforating the patient.

The procedures can be performed from an ergonomic sitting position, without wearing a lead apron and outside of radiation area thus elliminating fatigue.

All functions (forward – backward, rotation, deflection) of flexible endoscopy (fURS) can be controlled by system touch screen and manipulator controls on the console.

Additionally, laser fiber can be moved forward and backward. By pushing one button the laser fiber can be moved back automatically to prevent breaking of the fiber and move fiber without touching the tissue. The tip of laser fiber does not exposure when it is close to fURS tip. By pushing just one button, the tip of device can be straight, thus laser fiber can be inserted easily without damaging endoscope.

The speed of irrigation liquid can be easily adjusted and the European type of endoscope can be switched as US type.

System enables you to perform the treatment in straight position during the operation without bending the sheath and no breaking and distortion on the endoscope sheath.

With ROBOFLEX you can treat and dust all types and size stones with high success rate, doing it in short time, safely and efficiently!

MANIPULATOR		CONTROL CONSOLE AND CHAIR	
Rotation	± 225° INIT (Mounting Position)	**Chair**	Ergonomic and adjustable design
Deflection	± 275° (For Storz Flexible URS) INIT (0°) Precise and Normal Control US/EU user option	Forward / Backward	145 mm
		Up / Down	Sitting Height: 390 – 575 mm
Horizontal	210 mm INIT (0 mm) MID (100 mm)	**Console** Up / Down	Touch Screen Command 300 mm Height of Arm Rest: Min.630 mm Height of Arm Rest: Max.930 mm
Vertical	300 mm Height from Ground: 823-1123 mm	**Memory**	6 positions • Height of Chair • Height of Console • Distance between chair and console • UserPs Name memory
Flexible Adapters	For Storz, Olympus and Richard Wolf		
Laser Fiber	14 mm INIT (0 mm)		
Horizontal Speed	Adjustment by 5 levels; 0.5 – 1 – 2 – 4.4 – 22.0 mm/sec	**Wheel Lock**	Electro-mechanical
		Camera and X-Ray Image	Selectable and integrated imaging
Irrigation Pump	25 Level + FLUSH mode With 4 mm hose 20-112 ml/min	**Foot Pedal**	Individual for X-Ray and Laser
Dimensions	980mm x 500mm x 970mm	**Dimensions**	1100mm x 650mm x 1010mm(H)

* Specifications and appearance are subject to change without prior notice