

DECLARATION

Technical passport of delivery Compatibility of all System's components MODULITH SLK

Regarding the Acquisition of the Extracorporeal Shock Wave Lithotripsy System according to the needs of the IMSP Republican Clinical Hospital "Timofei Moşneaga" (repeated)
TENDER N 21402744; Cod CPV 33100000-1, IDNO 1016601000212. CAPCS

N	24090-2024-SLK3-MD-BM
Manufacturer	Storz Medical AG
Model	Extracorporeal shock wave lithotripter MODULITH SLK

Pos	MODULITH SLK System Components	Amount
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MODULITH SLK SYSTEM

	Lithotripter System	
1.	<p>MODULITH SLK shock wave system:</p> <p>Concept: Transportable shock wave system for x-ray and in-line ultrasound localization</p> <p>Shock wave source positioning: Motorized positioning of therapy head with selectable under- or over-table position (+45°lateral under- and -45° lateral over-table position) In-line x-ray position in combination with urotable only.</p> <p>Shock wave source: Cylindrical electromagnetic shock wave coil with parabolic reflector</p> <p>Shock wave penetration depth: Up to 175 mm</p> <p>Shock wave source diameter: 178 mm</p> <p>Focus pressure: 6.4 - 92 MPa</p> <p>Typical focus dimensions (Level 60): Ø 6.3 mm x 62 mm</p> <p>Energy flux density in focal zone: 0.04 – 1.8 mJ/mm² (26 energy levels)</p> <p>Shock wave frequency: 0.5, 1, 1.5, 2, 3, 4 SW/sec & ECG</p> <p>Therapy head: Motorised positioning in X – Y – Z direction</p> <p>Longitudinal movement: ±70 mm</p> <p>Lateral movement: ±70 mm</p> <p>Motorized height adjustment: 380 mm</p> <p>SLK operating panel: - Touch screen control of all system functions - Selection of shock wave source parameters and shock wave release</p>	1
	<p><u>3D Joystick:</u></p> <p>Concept: Intuitive ultrasound localization</p> <p>Mounting: Mounted in gel bottle holder of ultrasound device</p> <p>Function: - 3 dimensional control therapy arm - buttons for inline unit movement - additional 45° movement for lateral coupling</p>	1

Pos	MODULITH SLK System Components	
	Patient Positioning System	
2.	Table TLX TRD with lithotripsy accessories and Trendelenburg: Concept: Movable endourological table with lateral lithotripsy support. x-ray transparent carbon fiber table segment. <u>Trendelenburg adjustment:</u> +/- 15° (motorised) Length of table top: 1900 mm (with extension 2200 mm) Width of table top: 558 mm Longitudinal table top movement: 200 mm (motorised) Lateral table top movement: +/- 50 mm (motorised) Vertical table top movement: 820 mm to 1020 mm (motorised) Table top movement control: Wired hand control Maximum patient weight: 180 kg Positioning aids: Lateral lithotripsy support Accessories : - Antistatic cushion set (black) - 300 mm table extension - Basic footswitch (table up/down)	1
3.	Urokit for endourological procedures for Urological table TLX : Accessories: 2 x stirrups Goepel, stainless steel drain tray, infusion rod, patient's arm support, body strap	1
	Ultrasound Localisation System	
4.	Colour Ultrasound localisation system HS30: Concept: Stand-alone ultrasound system for in-line localisation of stones Monitor: 21.5" colour Ful HD monitor (54.6 cm) on articulated arm - Swivel: +/- 135 ° - Tilt: -10 ° / +75 ° Probe connectors: 2 B&W & Colour doppler system: For electronic linear, electronic convex sector & electronic phased array sector transducer Imaging modes: B/M/D-mode & colour flow mode, spectral doppler Cine mode: Up to 45.000 frames System concept: The HS30 use digital multi-beam forming technology. High-resolution images are provided by utilizing a technology called digital dynamic receive focusing. Doppler: Spectral doppler (PW & CW), colour flow (velocity, variance, power flow doppler, S-flow, TDI) S-Harmonic: This new harmonic technology provides greater image uniformity from near to far field while reducing signal noise. Imaging with second harmonics for artefact and noise reduction. ClearVision: The noise reduction filter improves edge enhancement and creates sharper 2D images for optimal diagnostic performance. Hard disk: 512 GB SSD (380 GB available for images)	1

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	USB connection: Accessory package: StorM-Link: Localisation concept: In-line transducer: Frequency: In-line transducer attachment:	For memory stick (images in DICOM, BMP, TIF, JPEG format or video in AVI, MPEG or DICOM format) Side pocket, dust cover and rear tray Cross-hair generation as well as image improvement due to change of scan depth and use of magnification In-line localisation and ultrasound guided patient positioning 3.5 MHz convex transducer 2.0 – 6.0 MHz Manual rotation & motorised Z-movement	
5.	Additional Abdominal Transducer (4.7 MHz) with biopsy bracket Convex sector probe: 2.0 – 8.0 MHz (68°/51 mm) Application: Stand-alone diagnostics (B&W + colour) Harmonic Echo Imaging		1
	X-ray Localisation System		
6.	Mobile digital x-ray C-arm TCA6R-9 EYES : Generator: 5.0 kW, high frequency (40 kHz) X-ray tube: Rotating anode, dual focus 0.3/0.6 mm Collimator: Iris collimation & parallel shutters Image intensifier: 9 inch 9/6/4" (21/16/12 cm) Grid: Ratio 8:1 TV-chain: CCD-camera 1k x 1k matrix: 960 × 960 pixel, 360° image rotation Fluoroscopy: kV range: 40 - 110 kV, 0.25 – 15 mA Snap shot: kV range: 40 - 110 kV, 1.0 - 30 mA Radiography: kV range: up to 110 kV, max. 125 mAs Image memory: Last Image Hold (LIH), about 55.000 images storage capacity Image display: 1 x 24" LCD-monitor, mounted on trolley C-arm opening: 770 mm between X-ray tube & image intensifier Vertical movement motorized: 500 mm Swivel movement: ±12.5° Orbital movement: + 93° – - 42° Around the axis movement: ±270° Horizontal movement: 210 mm		1
7.	Dose area product meter for TCA6: Radiation dose: Area radiation dose measuring and display		1
	Accessories/Consumables		
8.	Shock wave coil: SLK shock wave coil with guaranteed life time of 2.000.000 shock waves Service engineer required for replacement		1 (already pre-installed inside lithotripter) + 4 (spare parts)

Pos	MODULITH SLK System Components		
9.	Coupling gel (ultrasound):	850 ml bottle of ultrasound gel for coupling shock wave source to patients body and for use with ultrasound transducer for stand-alone diagnostics	3
10.	Silicon oil:	500 ml bottle of silicon oil for coupling shock wave source to patient foil	2
11.	Lead apron:	X-ray protection for clinical staff	2
12.	Thyroid protection:	X-ray protection for clinical staff	2
13.	Video printer Thermal printer: Hardcopy: Paper width: Connection type:	For ultrasound images Paper 110 mm Digital (USB 2.0)	1

April 30th, 2025

STORZ MEDICAL AG

Peter Schmid
Director International Sales

