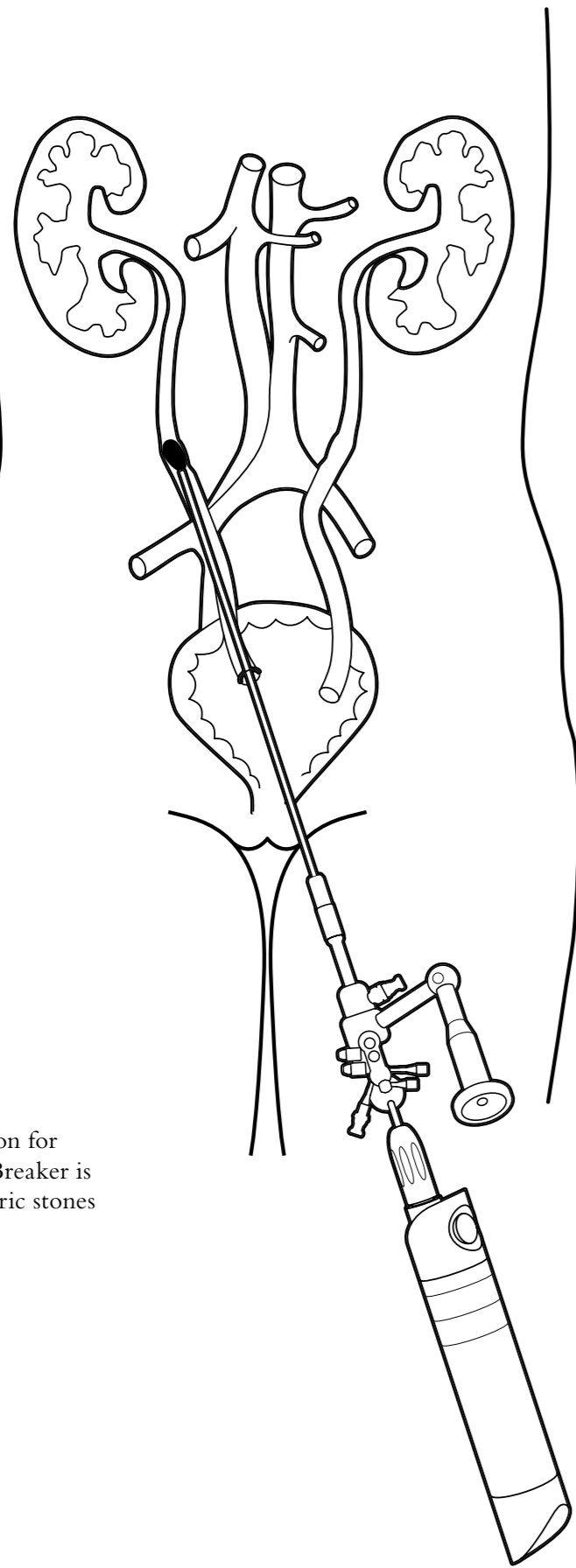


EMS SWISS LITHOBREAKER
PRIMARY INDICATION



> Primary indication for the EMS Swiss LithoBreaker is the treatment of ureteric stones

EMS SWISS LITHOBREAKER
HANDLING



**EMS SWISS LITHOBREAKER –
SIMPLE AND SAFE HANDLING –
NO ONGOING COSTS**

- > Safe insertion of the power pack – sterile and unsterile components separate
- > Sealed system – outer casing sterilized, power pack not sterilized
- > Outer casing can be steam sterilized



EMS SWISS LITHOBREAKER SYSTEM AND SYSTEM COMPONENTS

FT-206W	EMS Swiss LithoBreaker
EL-441	Power pack
AG-123A/A	End cap
EL-462	Silicone probe guide set (12 ×)
CA-244	AAA rechargeable batteries (4 ×)
EL-475	Probe cap for Ø 0.8–2 mm probes
EK-325	Battery charger
AD-701A	Power pack insertion funnel

→ INCLUDED LITHOCLAST® PROBES

EL-044/A	Pneumatic probe Ø 2.0 × 425 mm (6.0 Fr.)
EL-045/A	Pneumatic probe Ø 1.0 × 605 mm (3.0 Fr.)
EL-046/A	Pneumatic probe Ø 0.8 × 605 mm (2.4 Fr.)
EL-058/A	Pneumatic probe Ø 1.6 × 605 mm (4.8 Fr.)

→ LITHOVAC® SUCTION SYSTEM (OPTIONAL)

EL-182	LithoVac® lv3
EL-237	Suction set
EL-219	Adjustment interface
BE-028	Silicone seals (20 ×)
EL-211	Suction probe Ø 4.0 × 355 mm (12.0 Fr.)
EL-212	Suction probe Ø 3.5 × 380 mm (12.0 Fr.)
EL-213	Suction probe Ø 1.6 × 595 mm (12.0 Fr.)
EL-080/A	Length-adapted pn. probe Ø 0.8 × 668 mm (2.4 Fr.)
EL-081/A	Length-adapted pn. probe Ø 1.6 × 453 mm (4.8 Fr.)

EMS-SWISSQUALITY.COM

For more information welcome@ems-ch.com

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EMS SWISS LITHO- BREAKER

**CORDLESS LITHOTRIPSY
→ THE HANDY WAY**

**SWISS
LITHOCLAST®
PERFORMANCE**



EMS
ELECTRO MEDICAL SYSTEMS

CORDLESS, PORTABLE, HIGH IMPULSE CAPACITY →

NEW EMS SWISS LITHOBREAKER –
A HANDHELD DEVICE WITH THE
LITHOTRIPSY PERFORMANCE OF THE
CLASSIC EMS SWISS LITHOCLAST®

- ELECTROMECHANICAL DRIVE
- POWERFUL AND EFFICIENT
- CONTINUOUS IMPULSES
- EFFECTIVE TREATMENT
- MEETS HIGHEST STERILIZATION STANDARDS

> Mobile, stand-alone lithotripsy solution,
especially developed for the treatment of ureteric
stones – the vast majority of urinary stones.
The EMS Swiss LithoBreaker is fully compatible
with all common ureteroscopes



FOCUS ON URETERIC STONES

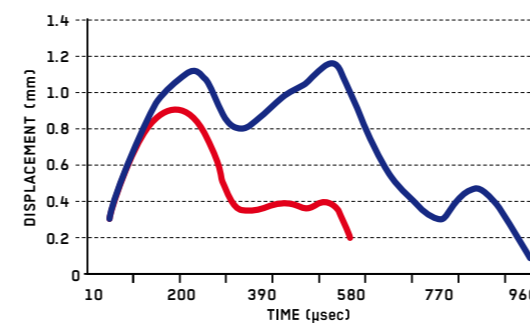
EMS SWISS LITHOBREAKER WITH INNOVATIVE
PROBE COUPLING REDUCES PUSH-BACK EFFECT
AND MINIMIZES STONE MIGRATION



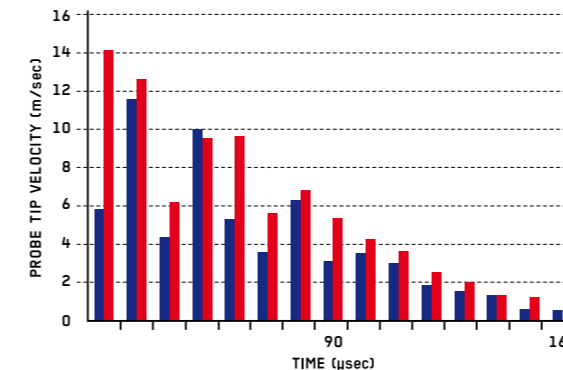
> Reduction of stone migration, increase of
probe velocity – higher fragmentation performance

EMS SWISS LITHOBREAKER WITH IMPROVED
SHOCK TRANSMISSION – A SMART SOLUTION
FAST AND EFFECTIVE

■ CONVENTIONAL SHOCK TRANSMISSION
■ LITHOBREAKER SHOCK TRANSMISSION



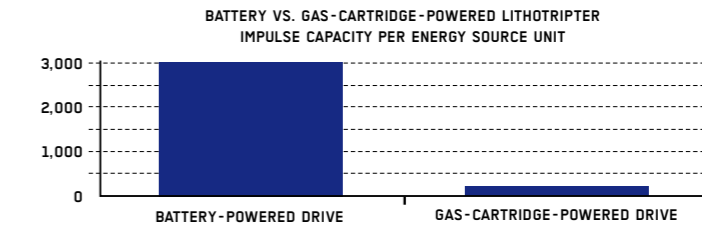
PROBE TIP VELOCITIES CONVENTIONAL
SHOCK TRANSMISSION VS. LITHOBREAKER



> Stone propulsion by endoscopic lithotripsy – an important issue,
especially for treatment of mobile ureteric stones

> Improved impulse transmission of the EMS Swiss LithoBreaker
reduces probe displacement – the propulsive effect and stone migration
are substantially reduced compared to conventional shock transmission

EMS SWISS LITHOBREAKER WITH CONSISTENT
POWER OUTPUT – HIGH EFFICIENCY
FOR CORDLESS, MOBILE LITHOTRIPSY



> The two different power systems on cordless
lithotripters do not deliver the same benefits

> The EMS Swiss LithoBreaker's power is
based on standard batteries which last the distance
– superior to inconsistent gas cartridges

**ADVANTAGE
EMS SWISS
LITHO-
BREAKER**

FEATURE	ELECTROMECHANICAL IMPULSE GENERATION	GAS-CARTRIDGE-POWERED IMPULSE GENERATION
OPERATING MODE	Single or continuous impulses at 3 Hz	Only single impulses every two second
IMPULSES PER ENERGY SOURCE CAPACITY	Up to 3,000 impulses	80–100 impulses
IMPULSE ENERGY	Consistent shot-to-shot energy	Energy is highly variable shot to shot and drops with decreasing cartridge pressure
RUNNING COSTS	Nil – rechargeable batteries provided	Gas cartridge not rechargeable – single use

**EMS SWISS LITHOBREAKER
→ NEVER RUNS OUT OF GAS**