

LITHOSKOP

Innovative design increases
efficiency in urology

LITHOSKOP – Dedicated to exceed today's demands

SIEMENS



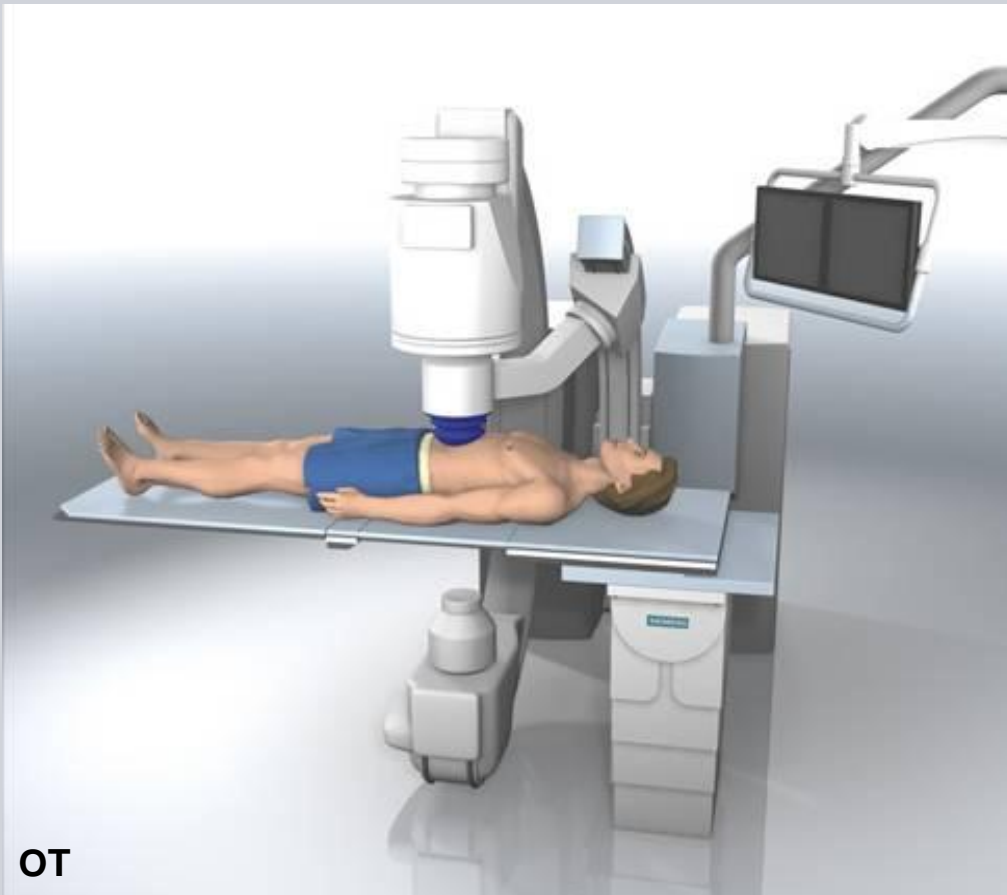
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LITHOSKOP

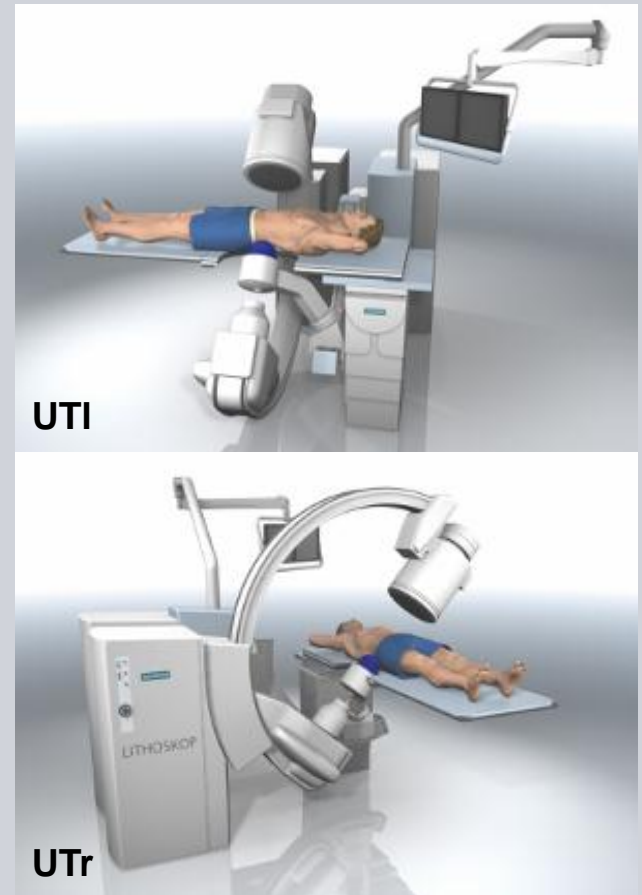
One-time patient positioning ESWL

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One overtable position



Two undertable positions



Unique flexible therapy head with Pulso™

- 2 undertable positions with 10° flexibility
- 1 overtable position
- latest shockwave technology Pulso with excellent results

„... the new shockwave technology allows for fragmentation of even those ureter stones that normally had to be treated with invasive and more complex procedures because of hardness, size, or localization.“

(Prof. Dr. Thüroff, Mainz)



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Proven Outstanding Features

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One-time patient positioning

- any stone can be treated in supine position
- no position change after auxiliary procedures (e.g. catheter placement)
- fixed position also for anesthetist

*„Patients can always be treated
in supine position ...“
(Prof. Dr. Wieland, Regensburg)*



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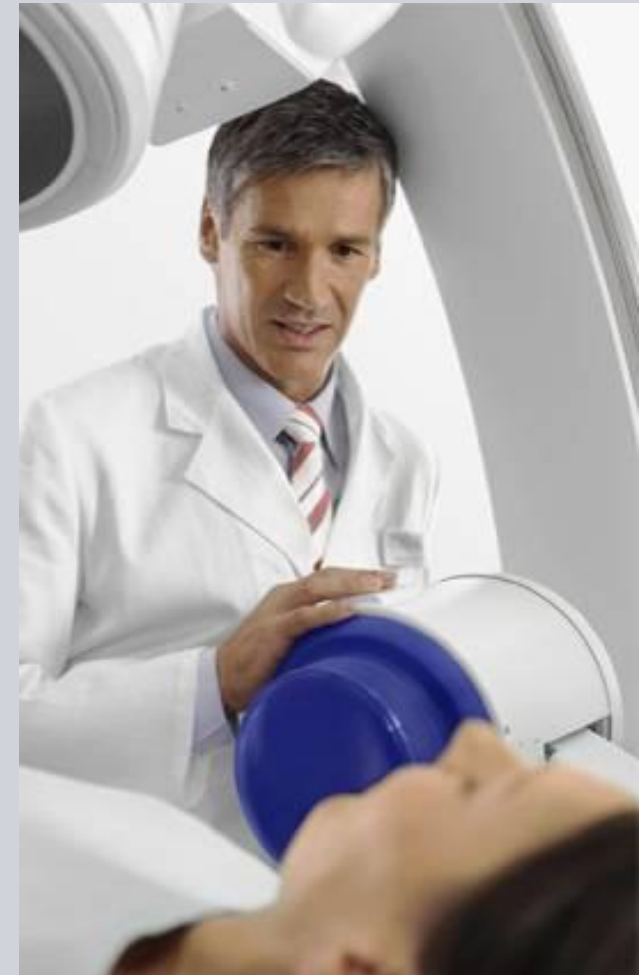
Proven Outstanding Features

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Extremely low retreatment rates

- large focus + high energy + low energy density
- excellent access to stone location
- outstanding X-ray information for localization

*„90% of the patients are stone-free
after the first treatment.“
(Prof. Dr. Chaussy, Munich)*



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Proven Outstanding Features

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Absolute multifunctionality

- lithotripsy for kidney, ureter, bladder stones
- urodiagnostics
- endourological procedures
- percutaneous interventions

➔ multifunctional use especially in
Heidelberg, Groningen, Baden

*„LITHOSKOP is a real revolutionary
system for all applications in Urology.“
(Prof. Dr. Wieland, Regensburg)*



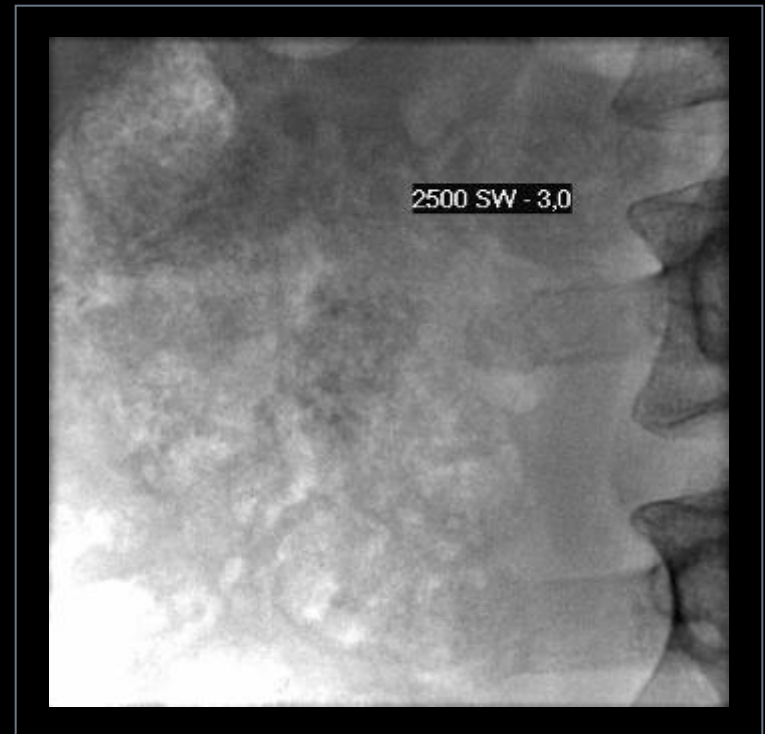
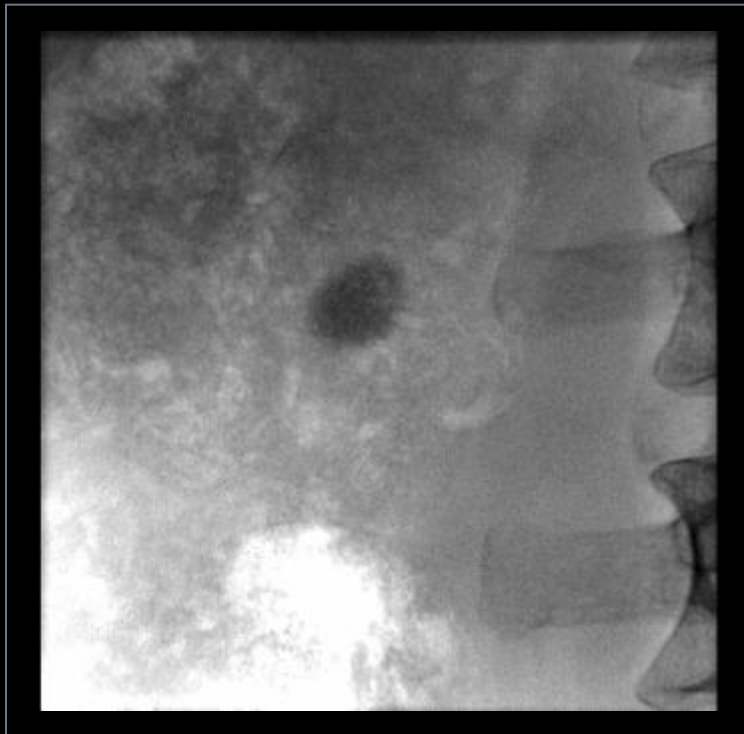
Diagnostic security through excellent image quality

- 65 or 80 kW generator
- 1280 x 1024 matrix image resolution
- best view on monitors



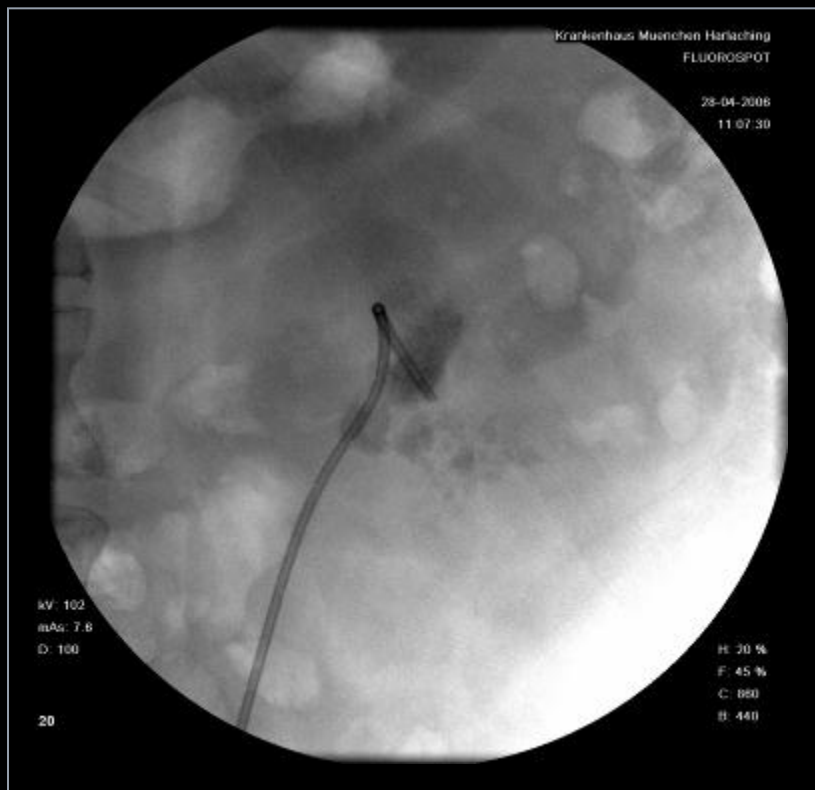
*„Based on the outstanding image quality
we need less X-ray images and shorter fluoro times.“
(Prof. Dr. Thüroff, Mainz)*

Lithotripsy: first session



Stone-free after one shockwave treatment

X-ray control after ESWL



X-ray control six weeks after ESWL



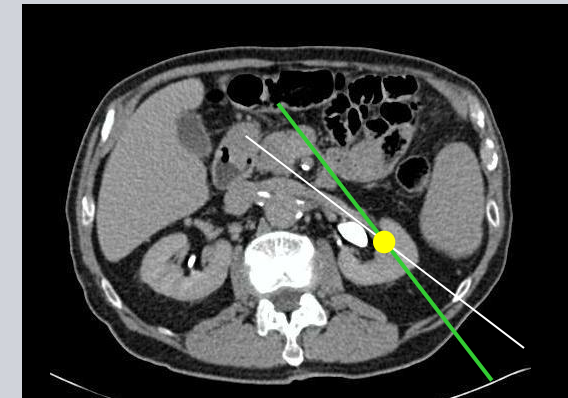
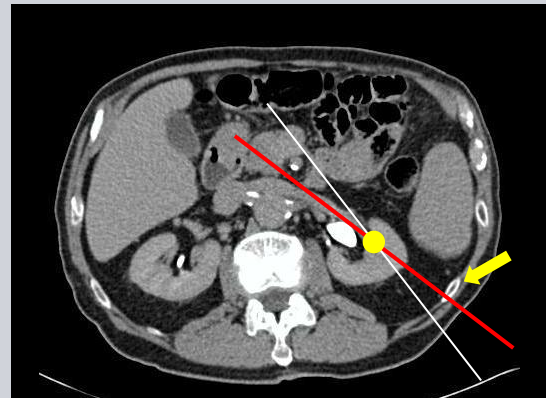
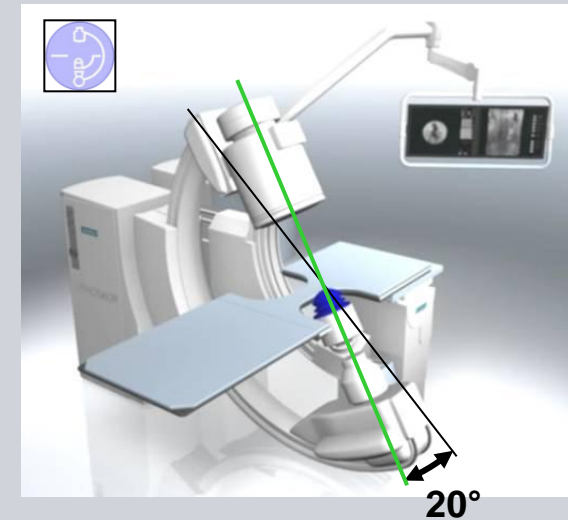
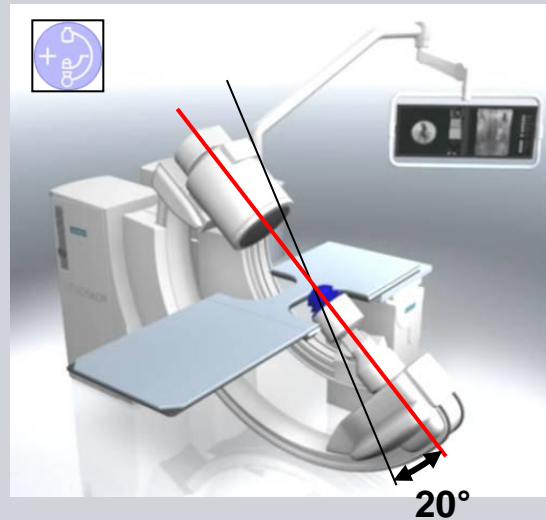
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Proven Outstanding Features

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Combined orbital movement of C-arms

- circumvent interference contours (e.g. bones) in the shockwave path while further keeping inline position for X-ray and ultrasound
- $\pm 10^\circ$ for UTI therapy position, $+10^\circ/-5^\circ$ for UTr therapy position



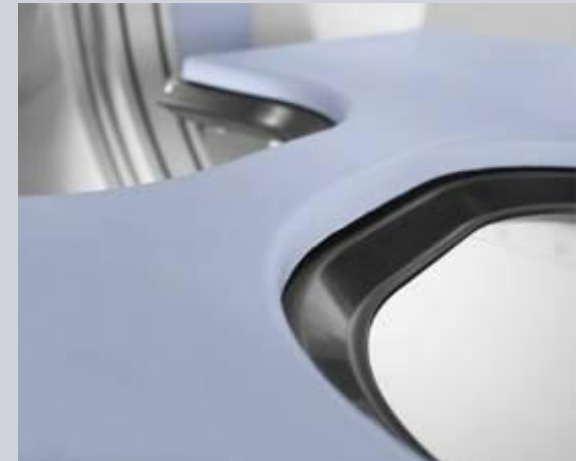
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Proven Outstanding Features

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Highly ergonomic table design

- trendelenburg tilting $\pm 15^\circ$
- comfortably low access height (71 cm)
- extensive travel ranges (50/30/48 cm)
- high patient load (205 kg / 450 lbs)
- symmetrical cut-outs for two undertable positions
- radiolucent carbon fiber tabletop
- lightweight carbon fiber table extension



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Proven Outstanding Features

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Inline ultrasound localization with ACUSON X150

- foldable 15" flat panel color display with 1024 x 768 pixels resolution
- intuitive user interface
- compact and ultra-portable design



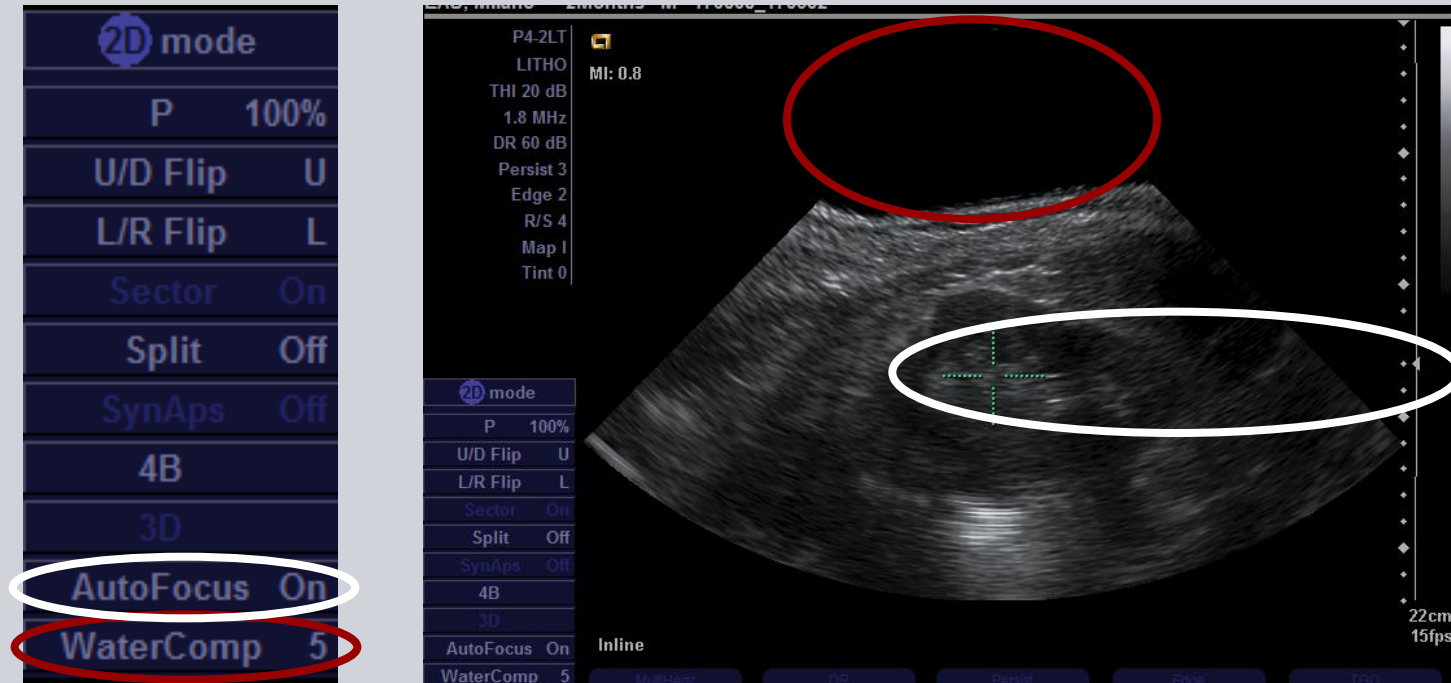
Outstanding inline
image quality and high-
end user comfort



ACUSON X150

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Unique Patented Features with LITHOSKOP



Water path compensation: after input of distance ultrasound transducer to water bellows the system calculates the ideal grey value visualization

Autofocus: the system automatically adjusts the focus position to the depth of the cross hair for easy and comfortable handling

