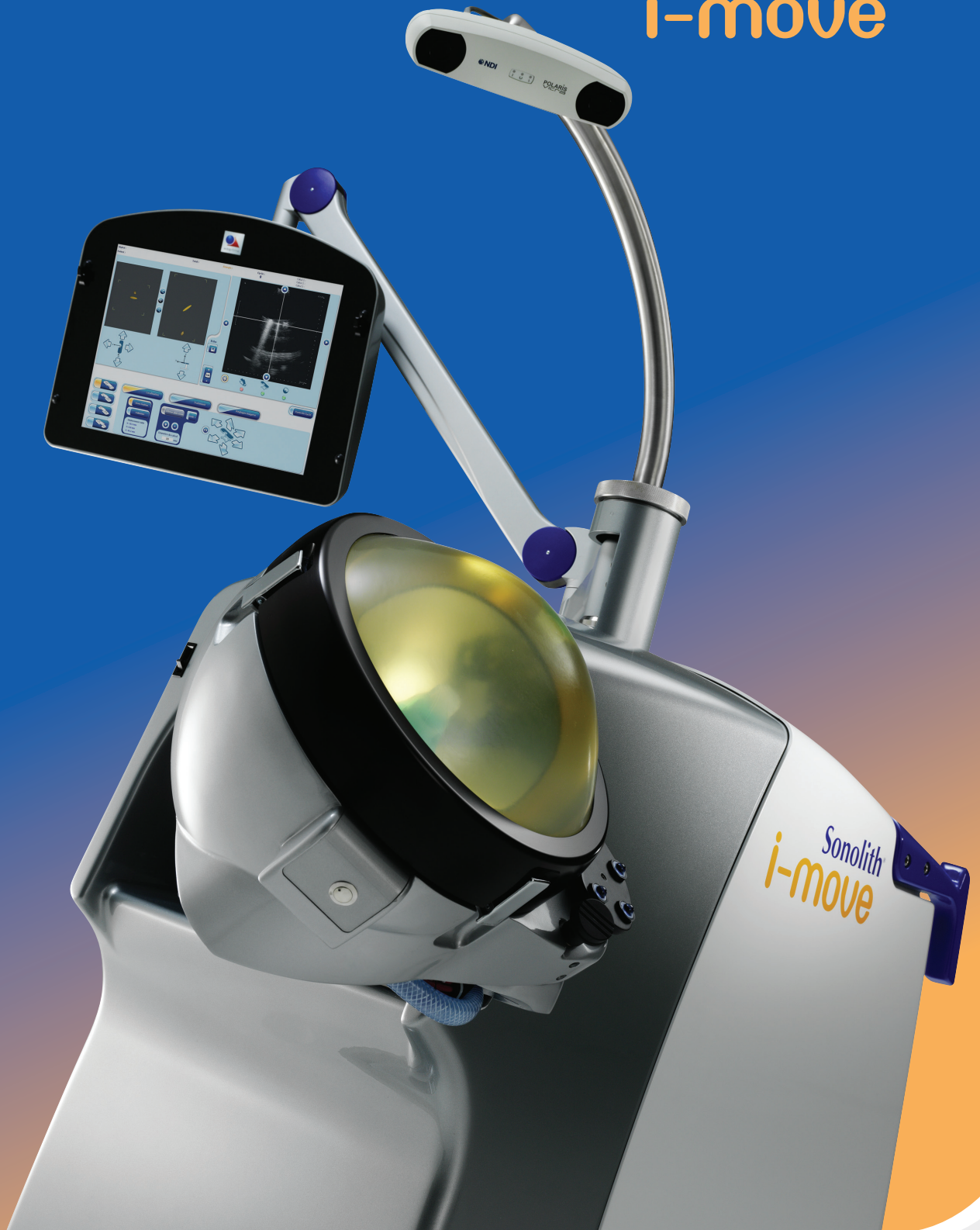


by edap tms

EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY

Sonolith®
i-move



www.edap-tms.com



edap tms
Bringing New Horizons to Therapy

Get back on track

The first hand-held ultrasound localization probe for unprecedented freedom and accuracy in ultrasound localization in ESWL.



Scan

Scan the patient with ultrasound probe in hand
Freeze the ultrasound image when stone is visible.



Position

Point on the stone on the ultrasound image displayed
on the touch screen. The patient table automatically
moves to position the stone at the focal point.



Fire

Start treatment with the desired parameters
for fine and effective fragmentation of the stone.



Track

Set the ultrasound probe on its support for
real-time treatment follow-up. Always stay on target
with the 3D focal volume and stone reconstruction.

“

The unmatched quality of the Sonolith® i-move free-hand ultrasound imaging system naturally makes us prefer this approach over fluoroscopy: ultrasound localization becomes easy and intuitive.

”

Pr. Xavier Martin, Urology Department, Edouard Herriot Hospital, Lyon, France

The freeline era



Visio-Track

Smooth, precise and free movements

Unique Visio-Track ultrasound system

- Infrared Stereo Vision Technology
- Movements of the hand-held ultrasound probe are monitored on the screen in real-time
- Natural, easy and unrestrained stone exploration without the movement limitations of a motorized system

The end of the inline vs. outline debate

- Direct contact with patient skin for excellent image quality
- Ability to seek the best acoustic window
- Possibility of changing viewing angles
- Complete freedom of movement
- Real-time follow-up during treatment
*"Use of Visio-Track led to 79.5% efficacy versus 54.5% in SWL without Visio-Track (p=0.001)"*¹

Lower radiation exposure

- Time of exposure significantly reduced by 97.8% (159.5 vs 3.5 seconds, p<0.001)¹
- Irradiation dose decreased by 98% (10598 vs 163 mCy.cm², p<0.001)¹

Dual simultaneous display

- 3D imaging of the stone and focal volume for real-time accurate follow-up of treatment



¹ N. Abid et al, Decreased Radiation Exposure and Increased Efficacy in Extracorporeal Lithotripsy Using a New Ultrasound Stone Locking System, J. Endourol., 2015



Electroconductive technology

A powerful and reliable shockwave

The patented Electroconductive (ECL) technology is based on a precisely controlled electrical discharge in a highly conductive solution:

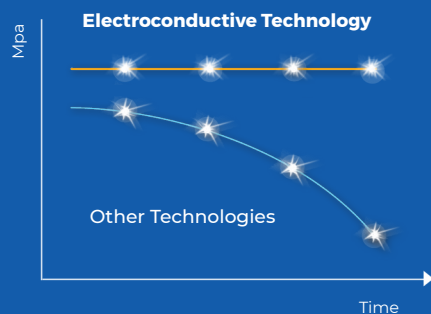
- All electrical discharges are identical
- The source (F1) of every shockwave is consistent
- Every shockwave is focused with pinpoint accuracy on the same point (F2)

Sonolith®
electroconductive shockwave source



Automatic Pressure Regulator

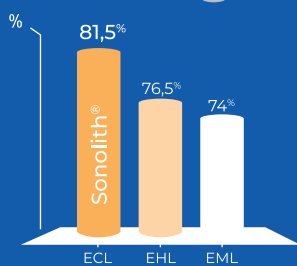
The exclusive Automatic Pressure Regulator measures and adjusts the pressure at the focal point in real time. This system ensures consistency shock after shock so every patient benefits from the same treatment quality, month after month.



The best clinical results

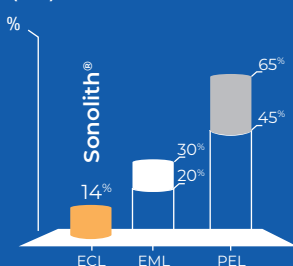
EDAP TMS' Electroconductive technology is clinically proven superior over existing technologies with the highest stone free rate and the lowest retreatment rate on record.

- Sonolith® Electroconductive (ECL)
- Electrohydraulic (EHL)
- Electromagnetic (EML)
- Piezoelectric (PEL)



Highest stone free rate

81.5% efficiency after 60 days
Saltutti C, Di Benedetto A, et al. Extracorporeal lithotripters: is there a gold standard? In Vivo multifunctional comparison between 6 mobile devices. Congresso Nazionale AURO. IT, Roma, Italy, 2003



Lowest retreatment rate

Nomikos MS, Sowter SJ, Tolley DA. Outcomes using a fourth-generation lithotripter: a new benchmark for comparison? BJU international 2007. Rassweiler J, Tailly C, Chaussy C. Progress in lithotripter technology. EAU Update Series. 2005;3:17-36.

The revolution

At the forefront of ESWL innovation for... level and puts the urologist back in the...



tion in ESWL

For more than 40 years, EDAP TMS takes lithotripsy to the next level in the heart of the medical procedure with the Sonolith® i-move.



3D Visio-Track camera

Real-time localization of ultrasound probe and stone



Touch screen

- user interface
- remote control



Universal X-Ray C-arm

clamping system

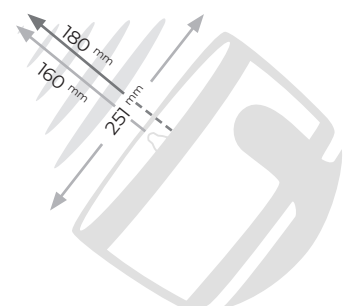


Diatron V Electroconductive generator

Automatic Pressure Regulator

Designed with the patient in mind

Diatron V shockwave generator: Smooth adaptation to children and bariatric patients. Treatment depth up to 180 mm adapted to patients' morphology and a wide diameter generator providing more comfort and easier pain management. **Variable treatment head position for smooth and universal adaptation to all types of cases.**



Tailored to su

+



Visio-Track

+



Touch

Standard



The gold standard of modular lithotripters for simple day-to-day use

- User-friendly touch-screen remote control to pilot all treatment functions: table movements, shockwave and treatment parameters
- Compact: the shockwave generator niftily slides into and fits inside the main module
- Cost effective



A touch of high-tech for greater user-friendliness

- Touch-screen user interface to pilot all treatment functions
- Dual simultaneous display of ultrasound and fluoroscopy images
- Patient and treatment database
- DICOM 3.0 compatible (option)
- Remote control station for operator comfort and safer treatment (option)



The features of an integrated lithotripter in a modular one

- Visio-Track: unique infrared stereovision technology for unprecedentedly easy and accurate ultrasound localization and tracking
- Stone Locking System: automatic alignment of the patient table with the focal point
- Exclusive real-time display of ultrasound treatment follow-up images, 3D stone and focal volume for pin-point accuracy
- Remote control station for operator comfort and safer treatment (option)

Fit your needs



User-friendly interface

- Touch-screen remote control
- Simultaneous display on touch-screen interface
- Intuitive and sharp navigation
- Table movement control
- Shockwave power and frequency control



Safety

For greater protection against X-ray, the Sonolith® i-move can be fully operated from a remote control station



Database and DICOM compatibility

- Easily file patient and treatment information in the database for follow-up
- DICOM 3.0 compatibility for free-flowing transfer of data and images with the hospital server



Mobility

- Compact design
- Treatment generator fitting inside the module
- Touch-screen closing the module for protection and easy storage (Touch and Visio-Track versions)
- Mobile device for day-to-day and inter-hospital use (specific transport set up option available)



High compatibility for smart investment

- Maximum modularity and compatibility with existing hospital equipment:
 - Universal X-ray C-arm clamping system
 - IUPS: Isocentric Ultrasound Probe Support for cost effective ultrasound localization (Standard and Touch versions)
- Adaptable to your needs with standard Endo-i-move table



FOCUS ... on you

EDAP TMS is a high-tech medical company listed on the Nasdaq (EDAP) which develops, manufactures and markets minimally invasive medical devices using ultrasound technology for various medical applications and offers a wide portfolio of complementary distribution products in urology.

By strongly investing in R&D activities and partnering with renowned medical research institutions since its inception in 1979, EDAP TMS today's development efforts are focused on making High Intensity Focused Ultrasound (HIFU) a standard therapy for soft tissue ablation.

Based near Lyon-France, the company is actively operating worldwide with subsidiaries and offices in USA, Japan, Germany, Malaysia, South Korea, UAE and Russia, as well as through more than 70 distribution partners.

The HIFU and ESWL divisions market products developed and manufactured by EDAP TMS for the treatment of Prostate Cancer and Urinary Stones. To complete EDAP's product offering, the distribution division also markets third-party devices in the urology space.



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