What is difference?

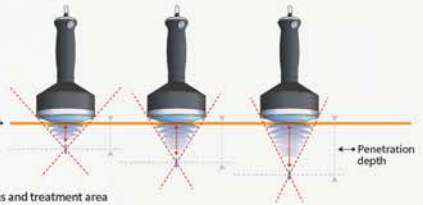
Next Generation ESWT

Digital method

Light transducer

3D Dynamic focusing

(Feature that automatically moves the focus position of the shockwave within the user range for the duration of treatment)



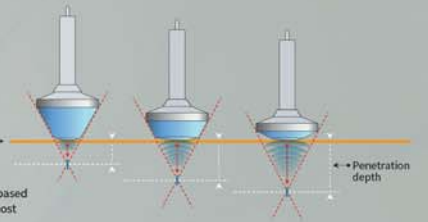
- No need to replace gel pads by symptoms and treatment area
- Improve ease of treatment and effectiveness
- The effect of easily matching the focus of shockwave in the affected area

Previous ESWT

Analog method

Heavy transducer

Fixed focal point



- Analog method
- Replacing pads with different thickness based on the needed shockwave depth is the most uncomfortable part of the treatment
- There is a possibility of improper treatment

SoniCure

Technical specifications

- Max. acoustic pressure: 80MPa
- Energy density : 0.96mJ/mm²
- Penetration depth : 60mm
- Depth : 0 ~ 60mm
- Energy level : 20 steps (levels)
- PRF : Max. 30Hz
- External interface : HDMI, USB, Ethernet

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OTSC-EN-001 / Printed in Korea

SoniCure

Next Generation ESWT

World First 3D Dynamic Focusing

OsteoSys

Next Generation ESWT : SoniCure

SoniCure is the next generation ESWT based on digital array control technology

SoniCure opens up the future of ESWT that was unimaginable in the analog based traditional ESWT technology

Digital array controller

SoniCure opens up a new digital concept that goes beyond the traditional analog method

- Support for a wide range of treatement protocols
- Due to SoniCure's parallel array transducer, a low power is required to drive individual elements
- Digitally operational and significantly improved safety, durability, and uniformity
- Enables stable acoustic pressure output

SoniCure 3D focusing

SoniCure provides a wide range of treatments quickly and precisely without replacing the gel pad

The focusing depth is adjusted by SW

- Focuing depth is adjusted by SW without changing Gel Pad
- Change focusing depth in 3D sequentially from user-specified range
- Easy to set up treatment area
- Pain-free treatment on the desired skin surface

The focal point is adjusted by SW

User friendly GUI

- Support various treatment environments through normal mode and expert mode
  - Normal mode : Treatment environments requiring rapid treatment and easy operation
  - Expert mode : Treatment environments that can support precise treatment protocols
- Patient care history information is accessible through a local network among multiple devices
- DICOM enables information sharing and collaboration in hospitals
- Enables remote monitoring with multi-view

Provides symptom-specific treatment protocols

- Provides the built-in symptom-specific treatment protocol to the user
- Patient-specific storage and recall of detailed treatment protocol

Light weight, Reflectionless transducer

SoniCure is a lightweight, bounce-free transducer that reduces fatigue and risk of the operator, and minimizes maintenance cost by modularization of each component

Reflective-free lightweight transducer

- Materialization of a bounce-free shockwave transducer by applying the technology used in ultrasonic imaging transducers
- Eliminate hazards from continuous shockwave exposure to the operator
- Lightweight transducers that the operator can easily move by hand
- Flexible cables for greater usability

Modularization of each component

Rationalize the cost of convenient maintenance by modularization of transducers and major components

- Minimized component replacement cost by adopting digital type shockwave generator and Piezo type transducer
- Easy maintenance through modularization of each component

Ergonomic design