

ASADAL M1

EM Type ESWL System

Pain-free Lithotripter

Are you still suffering from agony of calculus? We have Lithotripter that will minimize burden of surgery and hospitalization.

Comed can provide comforts to patients and, at the same time, provide convenience to operators.

ASADAL-M1 is composed of high voltage generator and X-ray emitter for calculus diagnosis with shock wave generator for treatment. Operating table is carefully designed, considering region of treatment, to maximize convenience of operation.





Treat unspoken pain with digital Lithotripter system...

There are still many patients who suffer from unspeakable pain from calculus. Despite the pain it is always terrifying experience for patients undergoing a surgery.

We has designed to provide comfort to patients and maximum convenience for operators.

ASADAL-M1 is an electromagnetic type which has excellent calculus break-down efficiency and high after treatment effect and easy-to-use.

It is well recognized treatment method which has no side effect on kidney after surgery.

Higher Performance

Safe Lithotripter requires high energy output. Without understanding the concept thoroughly both patients and operators can be put in danger. Comed has designed Lithotripter complying the highest safety standard to minimize the pain without incision and anesthesia.

The focus of the shock wave generated from ASADAL-M1 destroys calculus depending on the size and location. It is possible due to comed's technical know-how and understanding of flat-coil electromagnetic energy conversion to shock wave which are essential for efficient calculus break-up. To locate the calculus X-ray or ultrasound can be utilized as an option.

Compare to existing electrode type ASADAL-M1 has lowered noise by 50% which is no more than typical office noise level. Hospitals and patients will benefit from reduced surgical time.



More patient comfort and convenience

Locating calculus for surgery is the highest priority.

To this end comed manufactures surgical C-arm complementing performance Lithotripter. On top of that ASADAL-M1 utilizes digital 1k camera for optimized image quality.

Better space use

Despite its simple design operating table can withstand 300kg load.

With optimized design and high performing actuator, noise is minimized when operating table moves up & down.

Especially patient-centric, ergonomic design helps to stabilize posture of patients in case of long operation. For the comfort of patients music can be played with microphone and headphone to communicate with patient.



Optimum environment for operator

Comed understands the importance operating environment for better service to patient and diagnosis in today's competitive environment.

All images acquired are processed with comed's own image processing program for variety of usage.

All images can be generated in DICOM format to integrate with PACS network.



Intuitive Operating Panel



Operating Panel

Adjust angle of C-arm and height of operating table



Hand-held Controller

Ergonomically designed hand controller for easy movement

EM-View

Image Acquisition, Processing, and Viewing Software

Patient Registration

- Various patient information input method
- Manual Input
- Import from Worklist / DB file format

System Control

- X-ray part
- X-ray control (kV, mA)
- Boost Mode
- abs control
- Shock Wave Part
- Energy Level control
- Count/Interval control
- Auto/Manual Mode
- Water control

Image Viewer

- DICOM Import/Export
- DICOM, JPEG Image file format
- Window Level Control
- Frame(1x1, 1x2, 2x2, 3x3)





Shock wave generator

- Dynamic shock wave range generator

Patient table & others

- Ergonomics table design
- Universal Urological table
- Detachable 3-part treatment table
- 3-Axis [X, Y, Z] motorized driven control

Operating Unit

- The use of a personal computer system
- Programmable Logic Controller

comed
The Power of Passions

Comed Medical Systems Co., Ltd.

Office 707, Woolim Lion's Valley I, 311-3, Sangdaewon-dong,
Seongnam-si, Gyeonggi-do, Korea

Tel: +82-31-737-2211 Fax: +82-31-737-2210

Factory 58, Hakdong, Chowol, Gwangju, Gyeonggi-do, Korea

Tel: +82-31-764-7321 Fax: +82-31-764-7324

www.comed.co.kr