

World's First Extra Corporeal Shock Wave

Lithotripter for Animals



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LITHOTRIPSY SYSTEM

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CAREMED PETLITH

World's First Extra Corporeal Shock Wave Lithotripter for Animals

PetLith is an effective and affordable veterinary extracorporeal shock wave lithotripsy solution with its superior features. PetLith is the first and only lithotripsy system in the world designed for animals with robotic electrohydraulic therapy source.



CAT



DOG



HORSE





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The next generation PetLith, which provides non-invasive treatment, offers a unique experience with its effective results. In behalf of to PetLith's shockwave reflector which specially designed for animals, urinary system stones can be fragmented easily. During treatment, the tissues around the stone are protected by the shock wave reflector features. Shockwave reflector minimizes the non-reflective shock waves. Special shockwave reflector's penetration depth and focus size provides a pain free stone treatment. PetLith's shockwave reflector easily treats stones of all levels thanks

to its unique focus size and focus pressure. The shock wave generator that can reach high values provides treatment opportunity in a short time, the system guarantees painless effective fragmentation by reaching high power with low energy. Electrohydraulic system using PetLith provides big smart focus so that the patient's breathing during the procedure does not adversely affect the stone fragmentation effectiveness. PetLith also offers optional therapy heads in different sizes for use with large animals other than cats and dogs.

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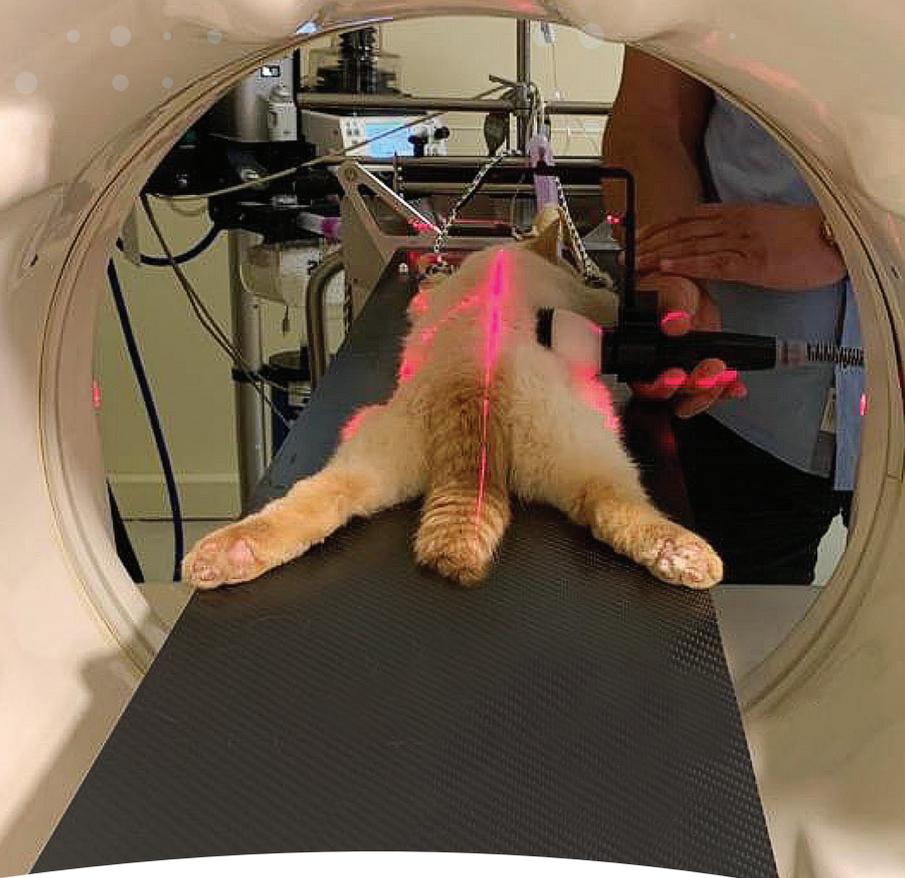
The collaborative robotic treatment reflector has revealed a new era in shock wave stone treatment. Collaborative robot and compact therapy head provides; safe, easy and comfortable use even in the most difficult patient groups.

Petlith is a non-invasive lithotripter specially designed for animals. It enables the most effective treatment in the shortest time possible with its integrated features. The average treatment session takes between 20-30 minutes. PetLith provides non-invasive and pain-free treatment. Our lovely friends usually return to their normal lives within 2-3 hours after treatment.





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PETLITH ESWT FEATURES

Extracorporeal Shockwave Therapy (ESWT)

Petlith is not only a lithotripter, it can also be used as an eswt (extracorporeal shockwave therapy) device. The shockwaves trigger the body's repair mechanisms, enabling healing and long-term improvement of a variety of conditions.

In ESWT, high-intensity sound waves interact with the tissues of the body, leading to development of new blood vessels, reversal of chronic inflammation, stimulation of collagen and dissolution of calcium build-up. The shockwaves causes new vessel growth, and release growfactor , changes cell mebrane permeability and stem cell migration and diffrentiation, infulnence on neurotransmitters , has anti inflammatory and anti bacterial effects.





Application Spectrum Lithotripsy

PetLith extracorporeal lithotripter systems noninvasively disintegrate kidney stones with focused shock waves, allowing the resulting sand-size fragments to pass out of the body during urination. The stones, also called calculi, primarily contain mineral salts (e.g., calcium oxalate), cystine, and uric acid. These compounds can agglomerate and block the urinary tract, resulting in discomfort, pain, and infection, and can also be a factor in the onset of end-stage renal disease. PetLith Extracorporeal shock-wave lithotripsy (ESWL) is a noninvasive alternative to open surgery or endoscopic procedures. PetLith ESWL is also very effective used to treat stones in the ureter in cats and dogs.

Extracorporeal Shockwave Therapy (ESWT)

- a. Hip and Elbow dysplasia
- b. Degenerative joint disease
- c. Osteoarthritis
- d. Tendon and Ligament injuries
- e. Non- or delayed healing bone fractures
- f. Chronic or non-healing wounds.
- g. Analgesic applications
- h. Treatment of chronic wounds
- i. Pancreas and gallstones



SHOCK WAVE

in Health Technology

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