



Vantage® Lithotripsy Service

Non-Invasive Kidney Stone Destruction

What are Kidney Stones?

Kidney Stones originate as a small grain in the kidney or upper urinary tract and gradually grow larger as compounds in the urine chemically attach to the stone. Though most stones are fairly small, some can grow to more than an inch in diameter.

Statistics show that kidney stone disease can affect as much as two to three percent of the adult population. Nevertheless, what causes kidney stone formation is not clearly understood.

Lithotripsy technology is the most significant advancement in urological technology in the past 25 years. It provides patients with a non-invasive alternative to the treatment of kidney stones.

What Is Lithotripsy?

Lithotripsy is a Greek work meaning “stone crusher” which precisely describes the technique. Externally generated shock waves harmlessly penetrate body tissues, but provide enough pressure on A kidney stone to disintegrate it into smaller granules. These granules are small enough to pass in urine.



What are the Advantages of Lithotripsy?

- **No** lengthy hospital stays
- **No** incisions or scars
- **No** surgery
- **No** lengthy recovery periods



The Success Rate of Lithotripsy.

The success rate of this technology is very high. The size, location, number and composition of the kidney stones all influence your individual success rate. Generally, kidney stones of less than two centimeters in diameter are eliminated in one treatment. Larger or more dense stones may require additional treatments.

Who should not have Lithotripsy?

Almost everyone can have lithotripsy, however, there are a few exceptions. Please ask your physician for more information about your particular situation.

THE GOLD STANDARD

The HealthTronics LithoTron kidney lithotripter, with its established spark gap technology, has set a new industry standard in the treatment of kidney and ureteral stones. With the **best** 90-day success rate (86.1%) and the **lowest** retreatment rate (4.1%) of any lithotripter on the market, the LithoTron redefines “effectiveness”. Its modular design provides versatility, and its components are well-mounted for easy maneuverability and transportability.

The LithoTron is composed of:

- ◆ Shock wave generator unit
- ◆ Control cabinet
- ◆ C-arm fluoroscopy device (Philips BV-25 Gold)
- ◆ Motorized patient treatment table