



Kidney Stone Treatment utilizing New Technology: Know more

The test ultrasonography method only requires one or more clinic visits lasting around 30 minutes each and does not require anesthesia. [Kidney stone specialist doctor in Agra](#) will help in curing the condition. According to Sorensen, the pieces have a greater chance of clearing, often within a few hours. This trial has so far included 55 individuals, and Sorensen's team intends to add 12 to 16 more.



Particularly intrigued by this technique is NASA. Kidney stones are a serious issue for astronauts on lengthy trips in a weightless atmosphere because there is no medical option to address the disease in flight, according to Sorensen. NASA believes a similar scenario could arise during a voyage to Mars or the moon because more than 30 astronauts have suffered kidney problems within two years of space flight. UW Medicine recently sent kidney tissue samples to the Space Station to study kidney function in space.

To alleviate a painful situation, Sorensen's team is also investigating using ultrasound to shatter larger stones into smaller bits and then utilize this portable gadget to push and remove the fragments. This would make it possible to cure stones without using an anesthetic, which might be a desirable alternative for vulnerable patients like those who have had spinal cord injuries.

Imagine if you were diagnosed with stones and came to visit us in the clinic. The stone might be small or moderate, and instead of discussing surgical treatment, he added, "we might propose a 30-minute, no-anesthesia technique to shatter the stone and remove it so it can be ejected." He stated that NASA is also interested in this technique.

Sorensen can directly relate to these technological advances because he is from Earth. I know the difficulty and pain that stones create since I've had three myself, including one treatment to treat a stone, he said. "I believe it's a really exciting future," he added, "whatever we can come up with it is going to be as efficient as and less intrusive than some of the technology we already have and not require anesthesia."

At Harborview and UW Medical Center in Seattle, more than 600 patients experiencing a kidney stone episode seek emergency care each year. When kidney stones get lodged in the urinary system and start to cause excruciating pain, they cause symptoms. Additionally, backup results when urine flow is blocked, which can cause cramping and edema in the kidneys and infection or long-term damage. [Kidney specialist doctor in Agra](#) are a great help to the patient.