

THE SAFER & SMARTER CHOICE

Ultrasound-guided HIFU
for the treatment of uterine fibroids


ALPIUS 900

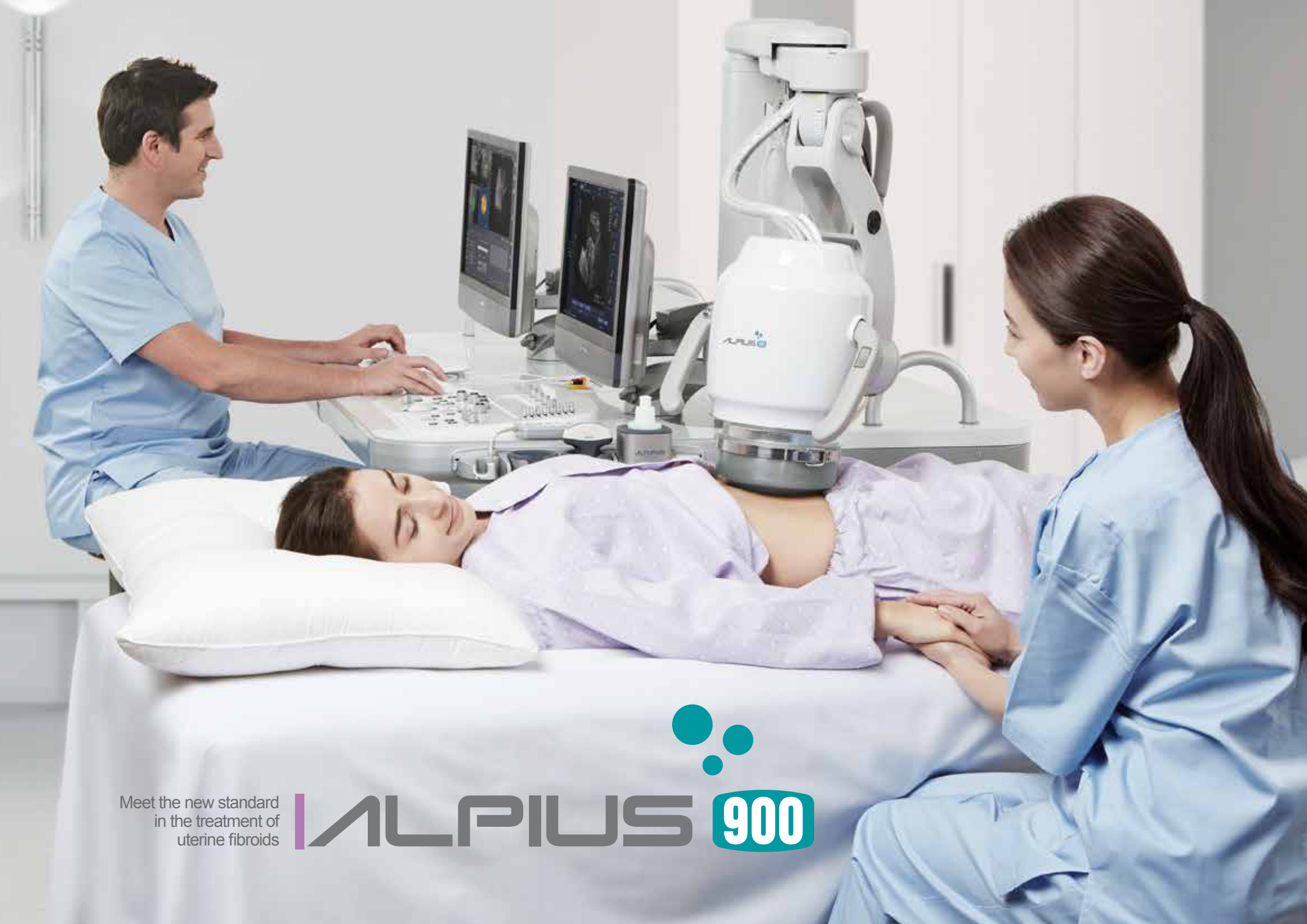


ALPIUS 900, the safer and smarter choice.



More than 30 percent of women around the world suffer from uterine fibroids. Despite there being many ways to treat this condition, many of these women are reluctant to seek treatment, preferring to endure the pain of uterine fibroids because they want to avoid surgery and hospitalization. Common are fears of anesthesia, laparotomy, the potential side effects of the surgery, and losing the function of their uterus.

When it comes to the treatment of uterine fibroids, the ALPIUS 900 is a safer and smarter choice. It releases women from the pain and fear of getting treatment for their uterine fibroids, helping to get their healthy life back and improving their entire life quality.



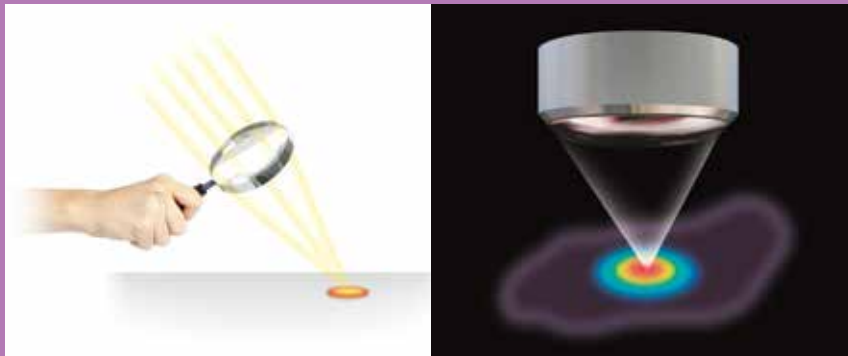
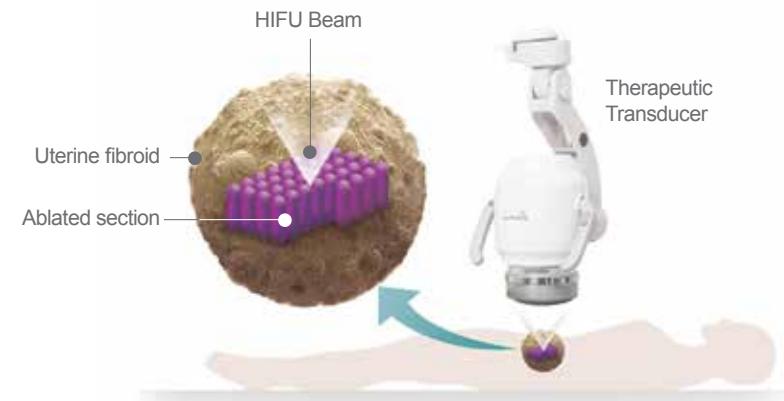
Meet the new standard
in the treatment of
uterine fibroids

ALPIUS 900

ALPIUS 900, writing a new chapter in ultrasound-guided HIFU

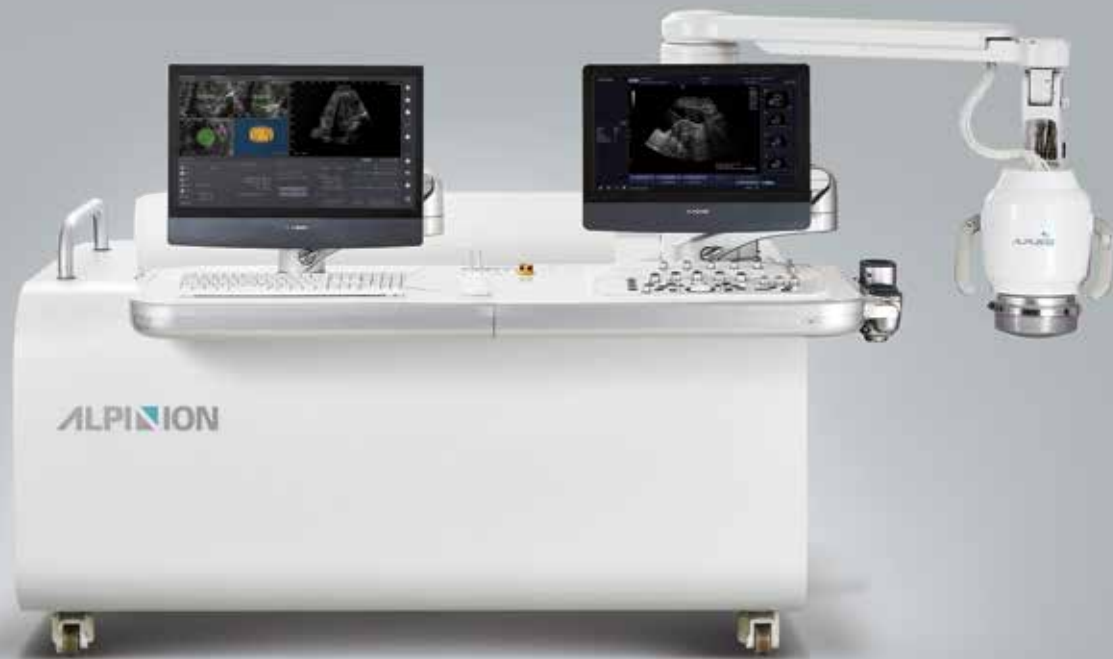
The ALPIUS 900 is an ultrasound-guided HIFU system for the treatment of uterine fibroids in combination with ALPINION's core technologies, ranging from the acoustic to the therapeutic. The advantages of an ultrasound-guided HIFU system, such as the real-time imaging and monitoring of the treatment, the non-invasive procedure, and the lack of anesthesia, scarring, and radiation, mean that the ALPIUS 900 helps the clinician make safe, accurate, and quick treatments.

With its excellent imaging performance, streamlined workflow, and precise ablation results, the ALPIUS 900 enhances the clinician's satisfaction and comfort as well as patient throughput. It offers a new and affordable alternative to traditional uterine fibroids treatments such as minimally invasive operations or laparotomies with their potential for surgical risk and emotional burden to the patient. Above all, the ALPIUS 900 fulfils ALPINION's desire and passion for improving the quality of women's healthcare.



Meet the new standard in HIFU therapy,
the ALPIUS 900. Changing the treatment of
uterine fibroids from good to great.

HIFU (High Intensity Focused Ultrasound) is a therapy that ablates specific tissues using ultrasound beams and rapid heat, but leaves the skin and tissue outside of the focal area unharmed. This means that HIFU ablation is the perfect method to necrotize uterine fibroids.



SAFE



ACCURATE



QUICK



COMPACT



ALPIUS  900

Patient safety is
ALPIUS 900's top priority.

SAFE 



Active Cooler™

Skin burns are a possible side effect during HIFU treatment procedures, but with the Active Cooler™, the unparalleled and unique active cooling mechanism built into the ALPIUS 900, this is no longer a danger. The Active Cooler™ ensures that the temperature of the ALPIUS 900 treatment-head remains uniformly steady throughout the whole procedure.

Detecting Cavitation

By detecting the acoustic emission from cavitation during treatment, the ALPIUS 900 increases the safety of HIFU treatment.

EX Degassing™

To improve the safety and effectiveness of the HIFU treatment, EX Degassing™ quickly removes any dissolved gases, of even the tiniest amounts, from the water prior to the start of the treatment.

Treatment accuracy that results from the synergy of combining ALPINION's core ultrasound technologies.

ACCURATE

3D modeling

The accuracy of the treatment delivered by the ALPIUS 900 starts with accurate planning. Using a 3D image of uterine fibroids, the ALPIUS 900 allows the clinician to check more details of the targeted tissue and to set a treatment plan accordingly. This accurate planning results in very precise treatment by the ALPIUS 900.

Target Forecaster™

The pre-targeting tool of the ALPIUS 900 allows the clinician to check the exact focus point for the treatment.



Clear View™

Thanks to ALPINION's unique technology that can control the ultrasound signal, the ALPIUS 900 provides the non-interference ultrasound image during treatments. This remarkably increases the accuracy of ALPIUS 900's monitoring, providing outstanding ultrasound imaging quality of the ablation of the fibroids in real-time.



Treat uterine fibroids in just 1 hour*

*average time

QUICK



Easy. Convenient. Quick.

Unlike other HIFU systems, the ALPIUS 900's transducer is built into an arm rather than being built into the treatment table. This means that a clinician can change or adjust the transducer's position by hand, minimizing the need and time necessary to position a patient in readiness for an accurate HIFU treatment.

Furthermore, the clinician can also conveniently adjust the angle just like the normal transducer of an ultrasound diagnostic system. This makes the pre-scanning procedure quick and convenient.

EZ Workflow™



The ALPIUS 900's intuitive workflow enables the clinician to set up and carry out a treatment procedure quickly, easily, and conveniently. Every step of the system workflow is deliberately designed to ensure that the ALPIUS 900 is easy and accurate to use.

Beam Steering



The multi-channel transducer of the ALPIUS 900 makes ultrasound beam steering electronically. This beam steering technology means that only the beam has to change position and not the patient, saving time throughout the treatment.



Create a comfortable environment
in any clinical setting

COMPACT 



Portable HIFU system

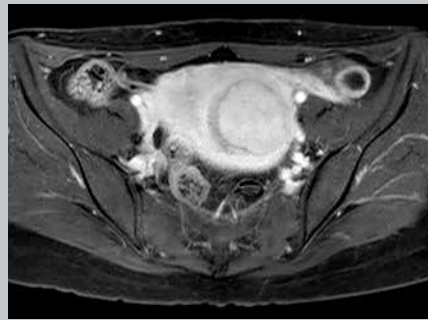
There is no need to dedicate an extra-large room to HIFU treatment. With its outstandingly compact and portable design, the ALPIUS 900 fits easily into any existing small room in a hospital. Furthermore, the ALPIUS 900 not only allows the clinician and the patient to be in a same room during treatment procedures, it allows them to be next to each other, rather than being apart from each other as is the case with MRI guided HIFU systems.

All-in-one solution

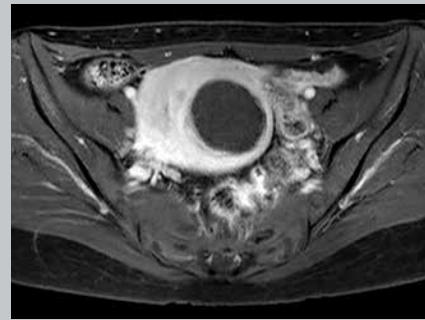
All devices needed for a HIFU treatment, such as ultrasound monitoring system, transducers and operating system, are built into the ALPIUS 900. No need to attach extra devices. Furthermore, as an ultrasound guided HIFU system, the ALPIUS 900 does not need to occupy a MRI device for 1-2 hours just to monitor HIFU treatment.

Clinical trial results

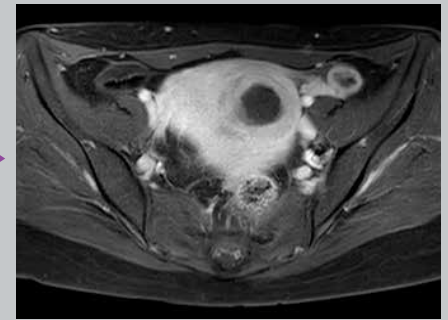
CASE A



Before treatment (T1 Gd)

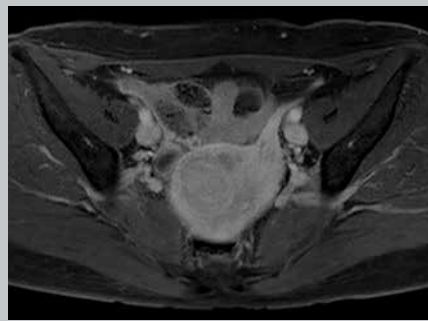


After treatment (T1 Gd)

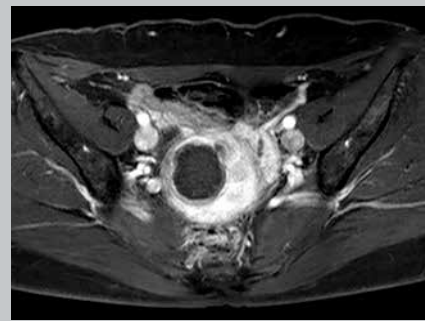


1 year follow up (T1 Gd)

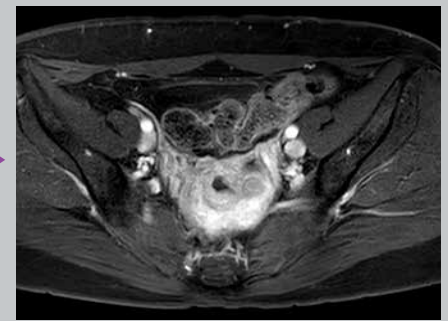
CASE B



Before treatment (T1 Gd)

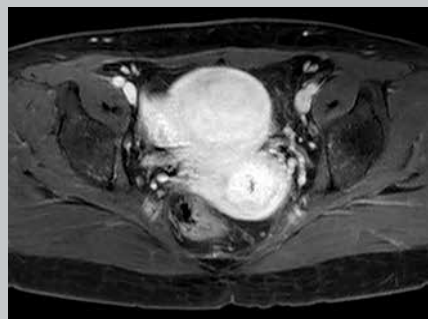


After treatment (T1 Gd)

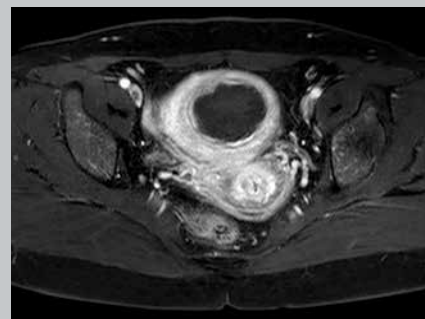


1 year follow up (T1 Gd)

CASE C



Before treatment (T1 Gd)



After treatment (T1 Gd)



1 year follow up (T1 Gd)

From acoustic to therapeutic, We are Ultrasound Professionals.



ALPINION MEDICAL SYSTEMS

ALPINION MEDICAL SYSTEMS specializes in ultrasound including acoustic, diagnostic, research and therapeutic ultrasound based on our core technologies. Since we began our ultrasound business in 2007, ALPINION has focused on developing core technologies and delivering our values of 'Extreme Clarity', 'Efficient Workflow', and 'Ergonomic Design' to our customers. As a value innovator in the medical industry, We ALPINION are progressively expanding our business scope vertically and horizontally in every ultrasound area.

ALPINION MEDICAL SYSTEMS, We are Ultrasound Professionals.



Therapeutic Ultrasound



Research Ultrasound



Diagnostic Ultrasound



Transducer



ALPINION MEDICAL SYSTEMS

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