



AJJ
HEALTHCARE MANAGEMENT PTE LTD

Therapeutic Equipment.

AJJ proudly carries a Non-invasive and High-Intensity Focused Ultrasound (HIFU) Therapy for Cancer, in the name of HIFU-2001.

HIFU-2001's technology relies on the principle of good permeability and aggregation of ultrasonic waves in human tissues to focus high-energy ultrasonic waves through normal tissues and onto treatment sites.

At its narrow focus point, the energy is amplified, supplying an automated and controlled temperature (between 65°C - 90°C) to the treatment site, resulting in irreversible coagulation and necrosis of protein-denatured cell tissue. The energy that passes through healthy tissue is insufficient to cause any significant damage.



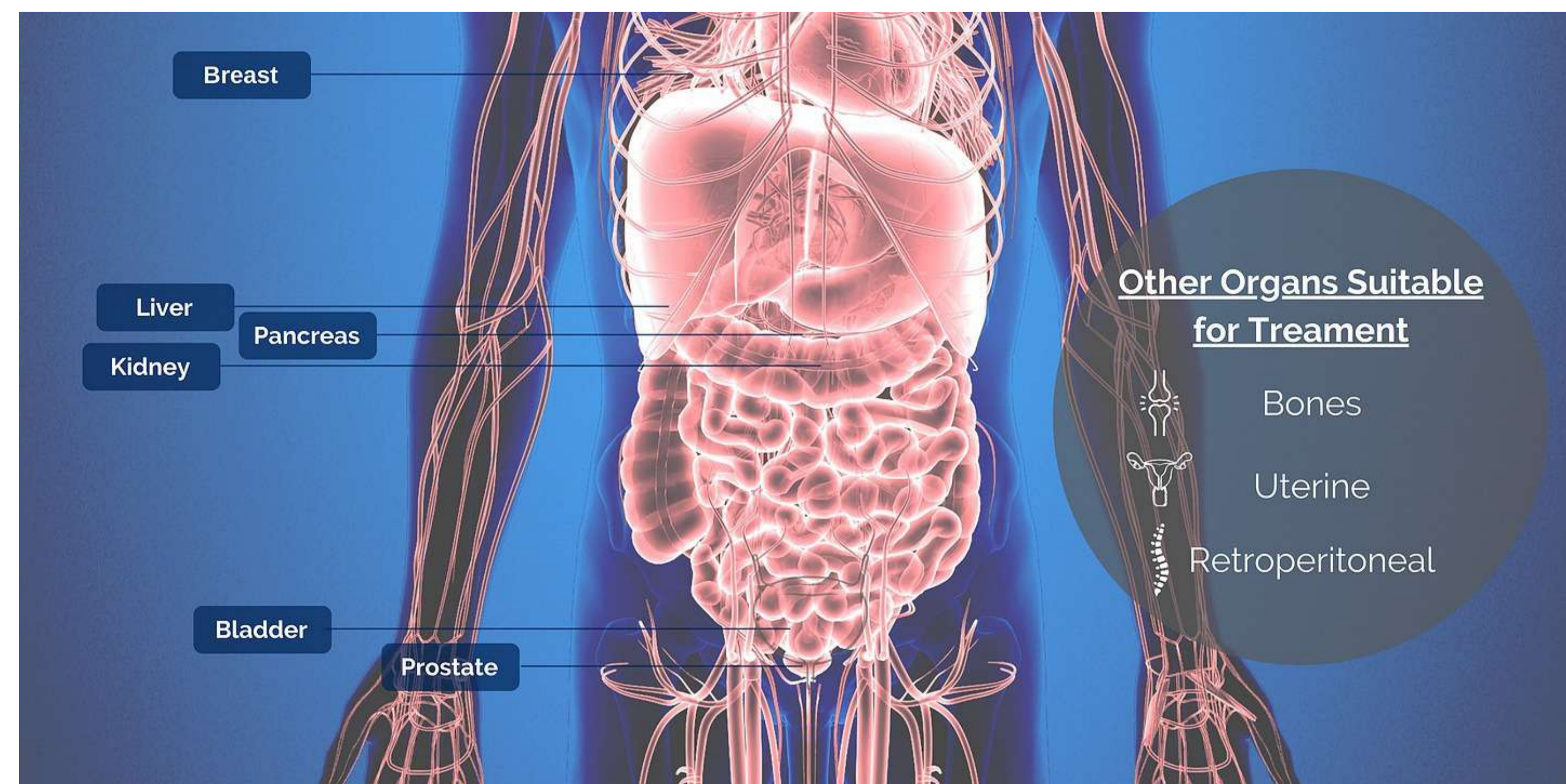
+HIFU-2001



HIFU-2001

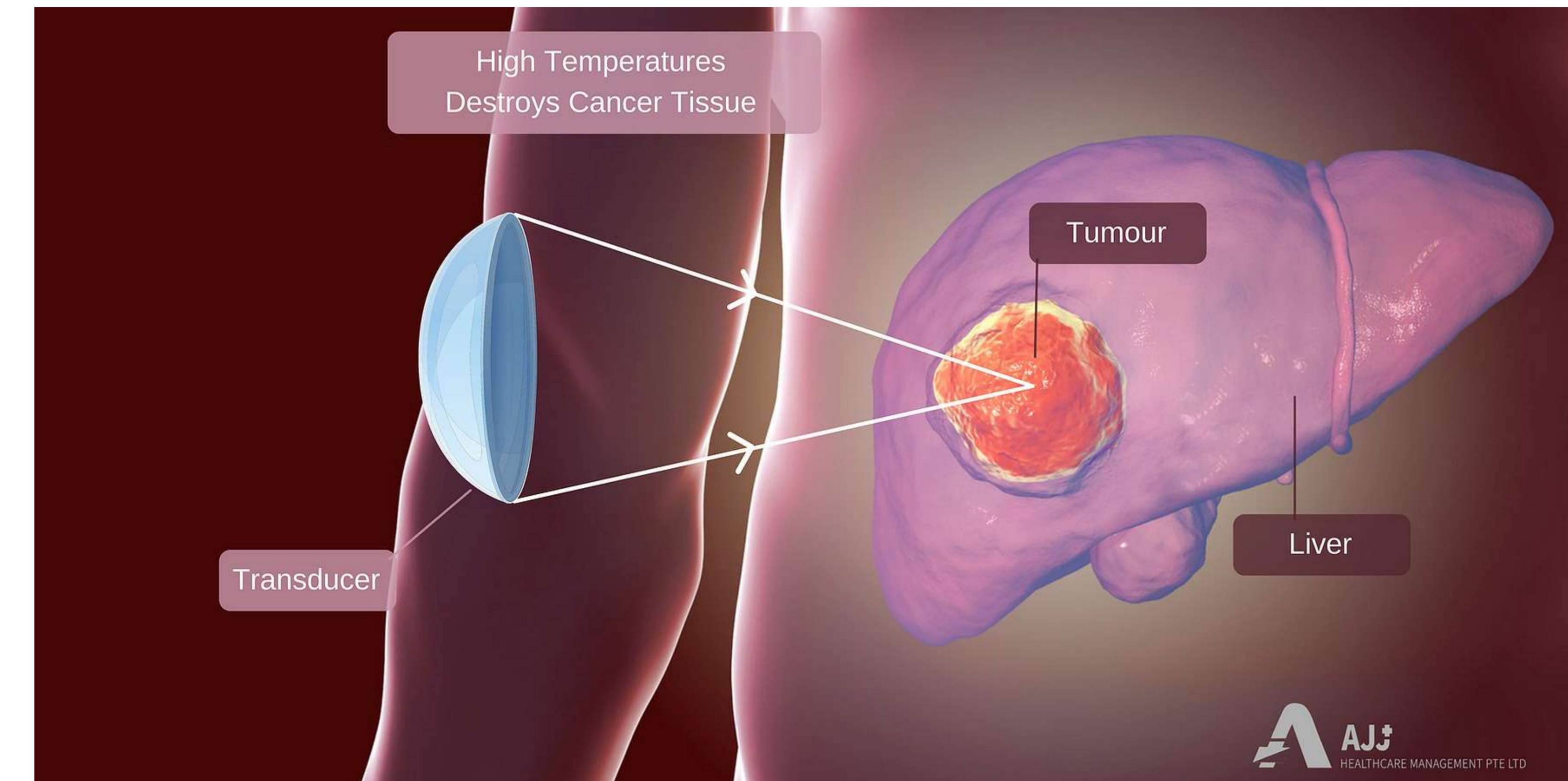
High Intensity Focused Ultrasound.

A revolutionary non-invasive treatment that uses high-intensity focused ultrasound to treat tumors and certain cancers.



Suitable for many scenarios with up to 13 treatment types

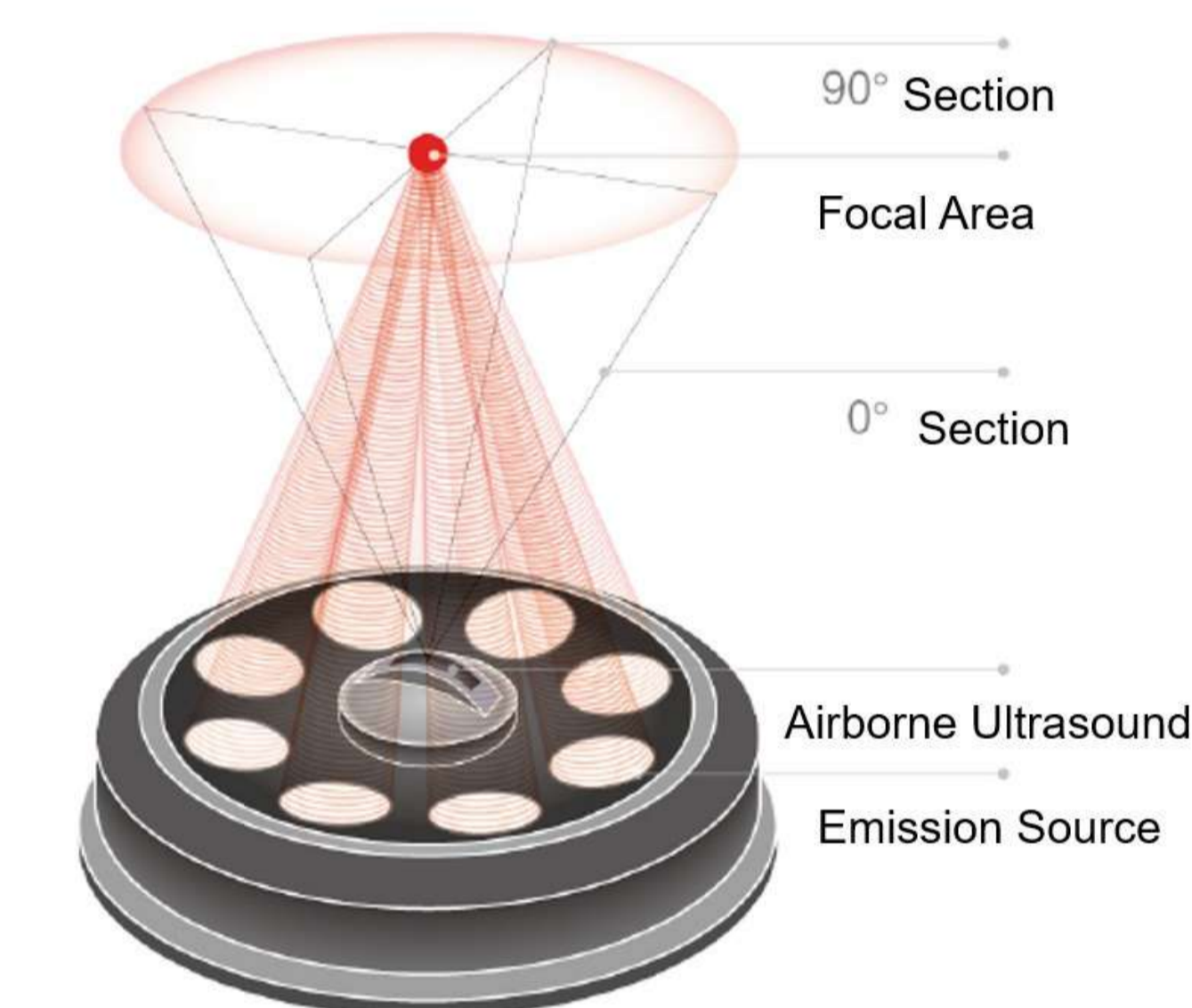
- Uterine fibroids, adenomyosis, endometriosis, pelvic tumors
- Benign prostatic hyperplasia
- Soft tissue tumors
- Green protective treatment of breast nodules and uterine fibroids in young women
- Patient with solid tumors recurring after surgery
- Palliative treatment of advanced malignant tumors



+Ablate according to outline

+Real time monitoring of treatment areas

+3cm tumour can be treated in 40 minutes



+ Advanced dual focus



Prone



Supine

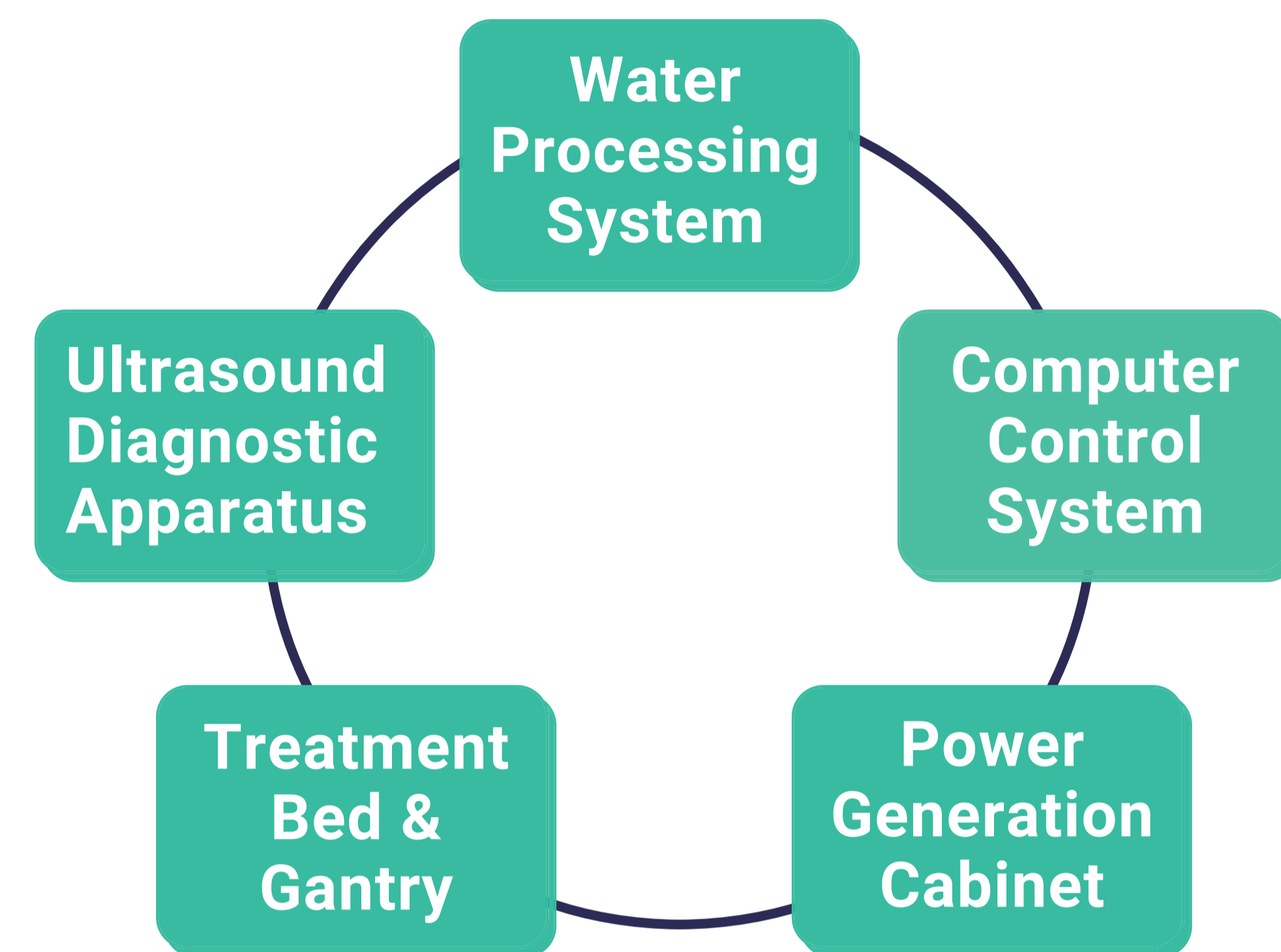
- ✓ Ultrasonic utilization rate is high, no water-sealing capsule; direct contact with the skin, allowing a cooling effect
- ✓ Under the premise of sound energy output, the lower-mounted treatment head is safer; one-time ablation is enough



HIFU-2001

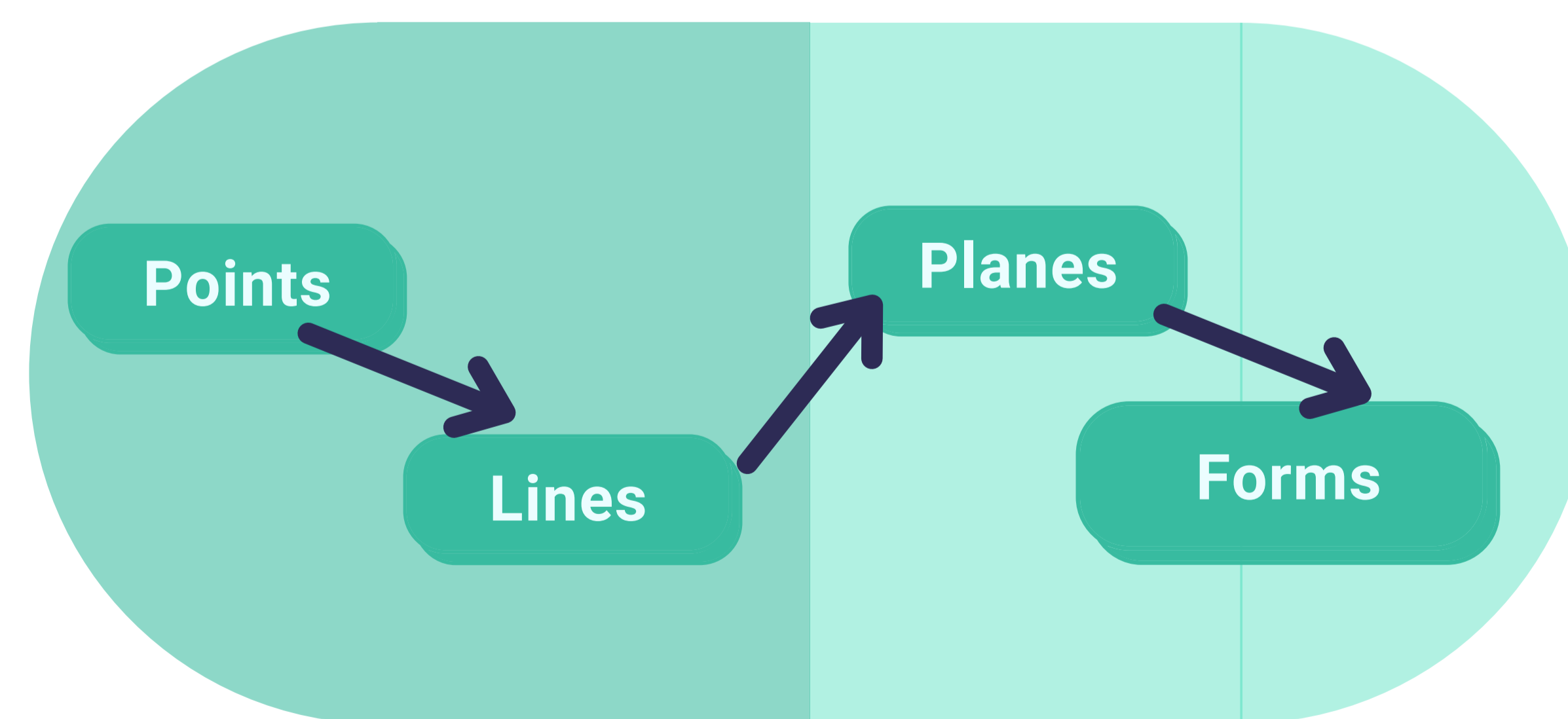
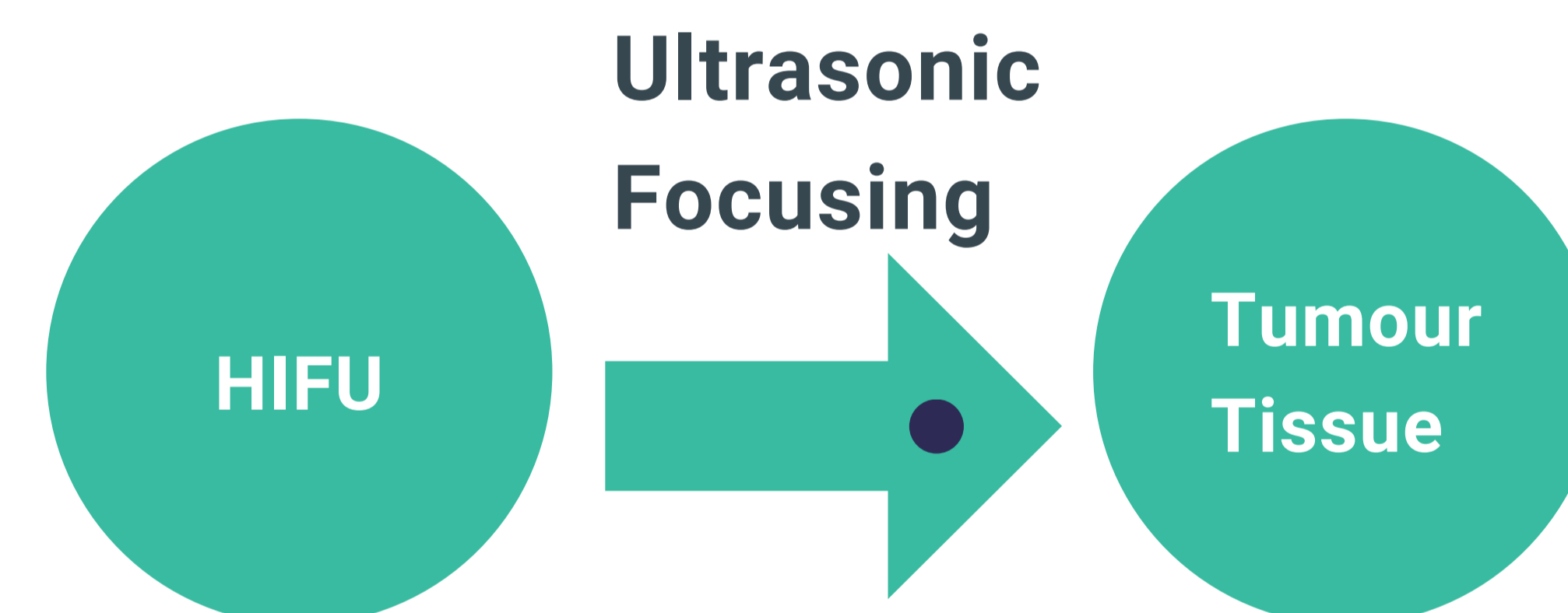
High Intensity Focused Ultrasound.

How It Works



- Control - Computer, system control software, remote control console
- Positioning - Digital B ultrasound, double C-arm gantry, and three-dimensional exercise therapy bed
- Therapy - Multi-element dual focus ultrasound transducers, power drive and vacuum water treatment system

- Reach high temperature instantly
- Burn according to the actual outline
- Real time monitoring of treatment areas



- Points are superimposed into lines, lines are arranged into planes, planes are superimposed into forms
- Can generate over 65°C at the target, which causes coagulation necrosis
- Treatment of tumour at 3 cm in size can be completed in 40 minutes

Effective

Multi-element dual focus technology ensure sound intensity at the focus meets treatment requirements, and the area outside the focus belongs to the safe treatment range

Precise

Range of tumour ablation can be determined through real-time precise positioning of b-ultrasound, and the treatment can also be adjusted according to the actual situation

Comfortable

First HIFU treatment equipment with overhead probes. Patients are comfortably placed in a prone position with under head probes. Avoid water from the patient's skin to ensure a more comfortable treatment.

Safe

No anaesthesia needed. Flexible power settings and pulsed strikes allows heat to be dissipated at the treatment site, and there is no damage to normal gastrointestinal organs, no serious complications and side effects

Synergy

Enhances the effectiveness of the treatment as HIFU does not produce any harmful substances.

Intelligent

3D reconstruction technology allows concentration of treatment heat, saving time and having the ability to remotely controlled.

Technical Specifications

Ultrasonic emission mode	Therapeutic efficiency	Treatment Depth	Target Area Size	Overall operational evaluation	Performance Evaluation
Pulse emission, high degree of safety, treatment without anesthesia	According to Gross tumour target volume ("GTTV"). Can complete ablation of 7*7*12cu. mm. in 5 seconds and treat tumors separately (Max 45 mins)	0-144mm; Large treatment depth; Wide adaptation population	7*7*12mm Short treatment time per cu. mm. High treatment efficiency	Wide range multi-angle motion system can effectively improve the preoperative positioning and intraoperative treatment efficiency, selection of multiple ultrasonic incidence channels and effective treatment depth are low.	3-D image precision. Safety, effectiveness and monitoring are considered. No pain, no lesion, can treat not only the early stage of cancer, but the late stage for pain relieve too.

HIFU-2001 provides a larger area of treatment in a shorter amount of time, little pain, no lesion, more image accuracy

