

State of the Art

# Sonablate® HIFU

Breaking Barriers in Ultrasound Technology



1. 17 - 22 inch flat color monitor: premium display of ultrasound images
2. Sonablate software: user-friendly display with built-in on-screen safety features
3. Speakers: premium audio output
4. Emergency stop button: conveniently located
5. Complete keyboard and track ball
6. Onboard printer
7. Console
8. Multi-directional, locking wheels
9. Secure probe arm attachment
10. Articulated probe arm
11. Bi-plane, transrectal ultrasound probe
12. Imaging and treatment transducers
13. Peristaltic pump
14. Sonachill: active cooling system for the rectum ensures patient safety and comfort
15. Water reservoir and in-line degasser

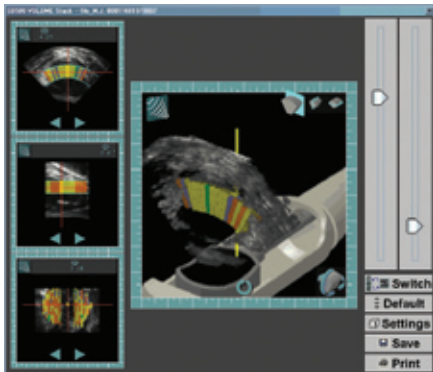
## STEPS TO SONABLATE® HIFU

1. **Image & Measure the Prostate:** Sophisticated Sonablate software allows physician to image the prostate in both the transverse and sagittal modes in real time.
2. **Plan Sonablate® HIFU Therapy:** Using unique, breakthrough scientific capabilities, the Sonablate® allows physician to create a custom treatment plan for each patient using 2D & 3D images in multiple treatment zones, as well as integrated Neurovascular Bundle Detection. Physicians have flexibility to use either 3 cm or 4 cm transducer to customize each therapy and accommodate prostates with AP diameter of up to 4.0 cm.
3. **Refine & Customize Treatment Plan:** After therapy is planned, it can be refined using 2D & 3D visualization of the prostate and the plan. This makes the procedure precise and completely customizable.
4. **Start Sonablate® HIFU. Monitor & Adjust During Therapy:** With Sonablate® HIFU technology, physicians monitor therapy continuously to ensure patient safety. Doctors may be able to adjust rectal wall distance and energy levels to achieve optimal outcomes.
5. **Final Review:** After each treatment zone is complete, physicians have another opportunity to review the case and add additional treatment if needed. After all treatment zones have sufficiently been treated and reviewed, Sonablate® HIFU is complete.

*The Sonablate® is not approved by the FDA and is limited to investigational use in the United States.*

## Features Unique to Sonablate® 500

### REAL-TIME IMAGE GUIDED HIFU



Review of Treatment using TCM

#### Tissue Change Monitoring (TCM)

Incorporates real-time pre and post HIFU tissue change feedback during therapy. TCM quantifies tissue changes based on changes in ultrasound pulse-echo (radio frequency) signals caused by HIFU treatment.

It confirms optimal delivery of energy and gives the physician the ability to assess individual lesions to deliver additional HIFU energy where needed.

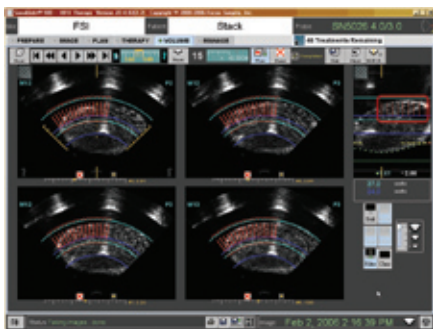


Therapy Screen

#### Real-Time Imaging & Treatment

The Sonablate® incorporates real-time imaging while treatment is in progress so physician can monitor therapy as each HIFU lesion is delivered. Real-time markers display the location of current HIFU treatment site in both sagittal and transverse modes.

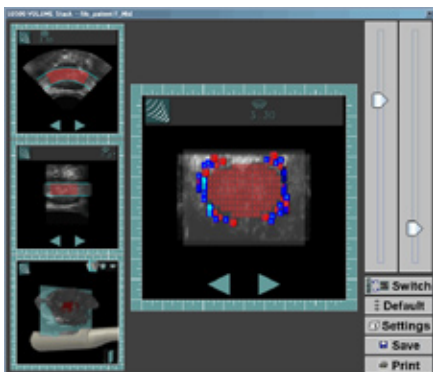
### CUSTOMIZED, PERSONALIZED HIFU THERAPY



Volume Stacking

#### 2-Dimensional & 3-Dimensional Mapping and Stacking: Prior to, During and Post HIFU

Every patient is different, which is why the Sonablate® is designed to give physicians complete control to customize each patient's treatment plan. The 2D & 3D Stacking capabilities provide tools for the physician to select multiple treatment zones as necessary for user-directed, computer controlled treatment. Physician has the ability to refine treatment at any time before or during HIFU procedure using Stack features.



Coronal view of mapped NVBs

#### Neurovascular Bundle Detection (NVB)

Physicians can detect the location of blood vessels surrounding critical structures and nerve bundles. These locations are seamlessly integrated into Sonablate® imaging and therapy screens so that physicians can see them when planning and mapping therapy.

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