

## **UKHIFU Ltd Announces Enhancements to Sonablate 500 Medical Device:**

### **New Tissue Changing Software provides real-time feedback on changes in the tissue during therapy:**

UKHIFU Ltd are pleased to announce a new software component, called **Tissue Change Monitoring (TCM)**, to its Sonablate®500 medical device that will enhance its existing minimally invasive treatment for prostate cancer using HIFU, high intensity focused ultrasound, by enabling Urology surgeons to monitor prostatic tissue changes in real-time.

Nick Stevens, Managing Director of UKHIFU said, “TCM represents yet another major step forward for the Sonablate® HIFU platform. From a Urologist’s perspective, it has the potential to significantly shorten the learning curve related to appropriate energy delivery. From a competitive perspective, TCM levels the playing field with MRI systems because TCM gives immediate feedback on what is happening to the tissue during treatment”.

TCM is a unique, quantitative software module that provides visual feedback on the status of the ablative therapy in real-time so that the surgeon knows exactly what is happening to the prostatic tissue during HIFU. A radio frequency signal (RF) is sent to a precise site in the prostate before a hifu energy pulse.

Another signal is sent to the same site immediately following the ultrasound delivery, which quantifies the change that actually took place. TCM results are colour-coded and displayed on the Sonablate 500 monitor screen and overlaid on the sagittal ultrasound image, enabling the surgeon to determine immediately how much change there was in the tissue at that particular site.

TCM has been installed at the Institute of Urology at University College of London, where Mark Emberton, Consultant Urological Surgeon, has performed more than 800 HIFU procedures.

“I have long been a user of the Sonablate 500 because it allows the physician to control the exact point where ultrasound energy is delivered and vary the intensity of the energy,” said Mr Emberton, “With the addition of TCM, physicians can determine immediately if the energy has been sufficient to successfully ablate the targeted prostate tissue and if not, the Sonablate allows users to make adjustments in real-time instead of completing a treatment phase and then reviewing the feedback.”

About UKHIFU Ltd:

UKHIFU Ltd was established in 2004 and provides information and advice to men in the UK who want a HIFU treatment . UKHIFU also provides the Sonablate®500 HIFU technology from Misonix Inc (NY, USA) and Focus Surgery (Indiana, USA).

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