

**THE ECHOPULSE USES HIGH INTENSITY FOCUSED ULTRASOUND (HIFU) GUIDED BY ULTRASOUND IMAGING, CALLED ECHOTHERAPY. FOCUSED ULTRASOUND WAVES TARGET TUMORS WHILE PRESERVING THE SURROUNDING TISSUE.**

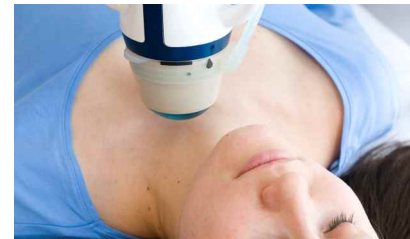
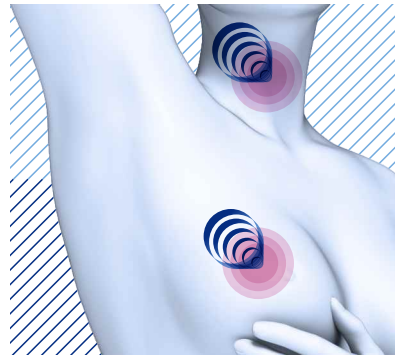
The Echopulse technology represents a real therapeutic innovation for our patients.

Dr. Hans-Christian Kolberg, Chief of the Department of Gynecology and Obstetrics, Marienhospital Bottrop - Germany

### ECHOTHERAPY: TREATING BENIGN TUMORS WITHOUT SCARS

Although benign tumors are not life-threatening, they often cause pain and can be a source of concern.

The Echopulse offers an innovative alternative for treating these tumors, giving patients a quick and effective solution in an outpatient setting. Recommended to treat breast fibroadenomas and thyroid nodules, echotherapy is a new way to treat tumors without scars.



### LOCALIZED TREATMENT FOR OPTIMAL RESULTS

The principle of echotherapy is to send a large amount of energy confined to the center of the tumor, inducing tissue necrosis. Thanks to ultrasound imaging, the Echopulse allows the physicians to visualize the target and to monitor the treatment in real time.



### CONTROLLED ULTRASOUND FOR A RISK-FREE TREATMENT

The Echopulse has been developed and manufactured with the most advanced technologies in accordance with the highest medical standards. The ultrasound waves are sent sequentially in a series of pulses, for a safe, accurate and controlled treatment.

## ABOUT THERACLION

Theraclion is a French company specialized in high-tech medical equipment using therapeutic ultrasound. Mastering on the latest technology, Theraclion designs and markets an innovative echotherapy solution, the Echopulse, which uses high intensity focused ultrasound guided by ultrasound imaging monitoring to treat benign tumors. Theraclion is ISO 13485 certified and received the CE mark for non-invasive ablation of breast fibroadenomas and thyroid nodules.

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**ECHOPULSE**

Trade name: Echopulse – Reference: THC800154  
Class IIb medical device designed and marketed by Theraclion SA.  
Not covered by statutory health insurance schemes.  
Read the instruction manual carefully.

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BRAND PROTECTEUR



**ECHOPULSE**

**THE ULTIMATE ULTRASOUND DEVICE FOR SCARLESS INTERVENTION**



**Theraclion**  
THE SOUND THERAPY



**REVOLUTIONARILY  
ACCURATE  
HIGHLY  
SAFE  
CLEVERLY  
SIMPLE**

**TAKE FULL CONTROL OF A NON INVASIVE INTERVENTION  
WITH FOCUSED ULTRASOUND**



**THE ECHOPULSE IS AN ECHOTHERAPY DEVICE OFFERING  
A REVOLUTIONARY, NON INVASIVE WAY TO TREAT TUMORS  
BY FOCUSED ULTRASOUND.**

Surgery is evolving, moving towards less invasive procedures. Echotherapy fits perfectly with this change.

Dr. Jean-Noël Guglielmina, Surgeon, American Hospital of Paris, Neuilly-sur-Seine - France

**ECHOPULSE™ : ADVANCED TECHNOLOGY  
FOR PHYSICIANS**

**Combining real-time imaging with therapy**

The real-time imaging enables to monitor and control the whole treatment procedure. The combination of imaging and therapy probes guarantees an optimal energy delivery. The Echopulse's robotized functions offer a unique experience for smooth and controlled procedures.



**A unique robot with fantastic accuracy and optimal safety**

The Echopulse is designed to provide an accurate and safe treatment, with electronic centering over the target, millimetric accuracy of energy delivery, patient motion detection and constant monitoring of the procedure in real time.

A patented, single-use disposable pack is used to ensure both coupling and cooling functions. A genuine technological breakthrough, the device is safe and user-friendly.

A very well tolerated outpatient technique, with significant volume reductions.

Dr. Marc Abehsera, Radiologist, American Hospital of Paris, Neuilly-sur-Seine - France

**An intelligent user interface**

With the Echopulse, tumor ablation has never been so simple. Through the touch screen, every step of the procedure is easy to complete and monitor. The Echopulse allows the operator to adapt the treatment procedure to each patient.



Echotherapy offers a non-invasive therapeutic alternative without any aesthetic risks.

Dr. Marc Abehsera, Radiologist, American Hospital of Paris, Neuilly-sur-Seine - France

**ECHOPULSE™ : INNOVATION  
FOR THE PATIENT**

Focused ultrasound offers patients a non-invasive alternative that does not leave scars. Based on a totally non-ionizing method, the Echopulse offers patients and physicians complete safety. The outpatient procedure does not require general anesthesia, enabling patients quick recovery.



It is attractive to patients because it avoids the need for a surgical procedure for benign tumors. They do not need to be hospitalized or have general anesthesia. It reduces recovery time after the treatment.

Pr. Roussanka Kovatcheva, Endocrinologist, Endocrinology University Hospital of Sofia - Bulgaria

**PATIENTS  
TALK ABOUT IT**

"Ultrasound treatment is done in just one session under sedation. I went to the hospital as an outpatient one day and came out early afternoon the same day. It all went very well, I did not feel any pain during or after the treatment."

"I chose echotherapy instead of surgery simply because I'm afraid of surgery. This method is non-invasive. Why do you need to be opened up when you have a benign tumor?"

"I had several fibroadenomas, one of which was quite large and painful. As I did not like having them there, I wanted to get rid of them, but I would not have gone as far as having surgery, as I was afraid of scalpels and the possible complications. For me, echotherapy was the perfect opportunity to get rid of this burden."

**ECHOPULSE™ : FLEXIBILITY  
FOR MEDICAL CENTERS**

With an outpatient procedure under conscious sedation, the Echopulse frees up operating rooms and reduces the length of hospital stays. Its mobility and integrated functions make the Echopulse a compact, manageable device and incredibly user-friendly. It can be moved from one room to another easily, thus offering great flexibility when it comes to planning.

