

Pioneering  
**Non-Invasive**  
Surgery



## MEET THE EXPERT

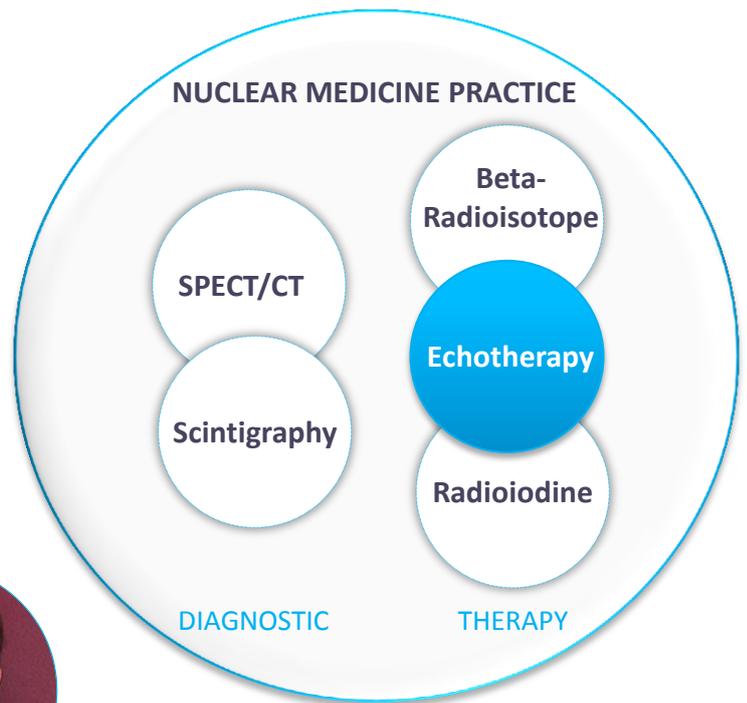
### Dr. Marc Hakman

Director of the Nuclear Medicine Center Hakman  
Paderborn, Germany

***“Echotherapy is strictly non-invasive, so it should be the first option when treating benign nodules.”***

## Dr. Hakman, can you please describe your institution?

My institution is a private practice in nuclear medicine. Within the general nuclear medicine practice, the center offers a large range of diagnostic and therapeutic solutions for various pathologies related not only to thyroid but also to kidney, heart and bone. For over 20 years, I have diagnosed, treated and advised patients with thyroid diseases specifically.



## Dr. Hakman's medical assistants team



## Could you tell us the reasons why you chose to acquire the Echopulse®?

For two main reasons: First, **with the Echopulse®**, patients can avoid surgery or a **radio-iodine therapy (RIT)**. Secondly, which may be more important, while avoiding surgery or RIT, we also avoid the hypothyroidism that occurs after these therapies. Echotherapy is a gentle treatment option that does not need any cuts. It allows us to precisely treat the nodule, and only the nodule, while retaining the thyroid function, with the benefits of alleviating the pain or discomfort caused by the size or location of the nodule. It is a great advantage that the healthy tissue is completely preserved as the patients do not have to take medication for a lifetime. **Another very important point is, by treating nodules at an early stage, you can avoid surgery in the future.**



## Can you please describe your experience so far with the Echopulse® system?

Echopulse® is rather easy to handle and very safe. I am very pleased by the new software BEAMOTION that is much faster and enables treatment of several nodules in the same session and in a short period of time. In addition, the system integrates various safeties that make the user feels confident when treating patients.

## Without an Echopulse® system, how would you treat indicated patients?

When a treatment is required, the choice of the best alternative would be radioiodine therapy for hot nodules while surgery is indicated for cold nodules. Echotherapy can treat both. Currently, it is the last alternative to manage benign thyroid nodules. **Nevertheless it is strictly non-invasive, so it should be, even for ethical reasons, the first option.**

## Why do patients come to you for an echotherapy treatment?

Echotherapy is a therapy that requires neither anesthesia nor invasive surgery and which gently treats the affected tissue. This is what people with benign conditions are looking for. **They want to live without scar, without symptoms, without being obliged to take pills and echotherapy is today the only therapeutic solution that offers this to them.**

## How did the patients learn about this new technique?

Nowadays, patients look for medical information by themselves. As a result, they go on the internet or through newspapers to find therapeutic alternatives. Most of our patients came to me after having read an article about echotherapy or about our center offering this new alternative. We have been greatly helped by Theraclion to spread the word about echotherapy. Thanks to print media, people in the Paderborn area but also from the rest of Germany learn that we are offering echotherapy and they come to us.

## Did the introduction of Echopulse® treatment bring a new population of patients to your center?

Yes, since we have echotherapy in our center, we not only have the regular patient population from the neighborhood but also people coming from all over the country.

## Can you say a word about your relationship with Theraclion?

Ok, just one word: GREAT! 😊



*“ People come for echotherapy from all over Germany. ”*



*“With the Echopulse® patients can avoid surgery or a radio-iodine therapy.”*

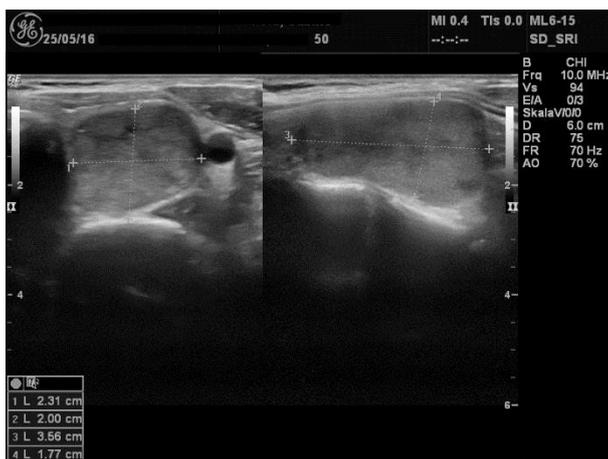
## Could you please describe your results with echotherapy?

I am very satisfied by the Echopulse® system. Literature about echotherapy for thyroid nodules shows very good results and I observed the same: volume reduction by half 6 months after the treatment and disappearance of symptoms. We have experienced **no major side effects**.

*"Echopulse® is easy to handle and very safe."*

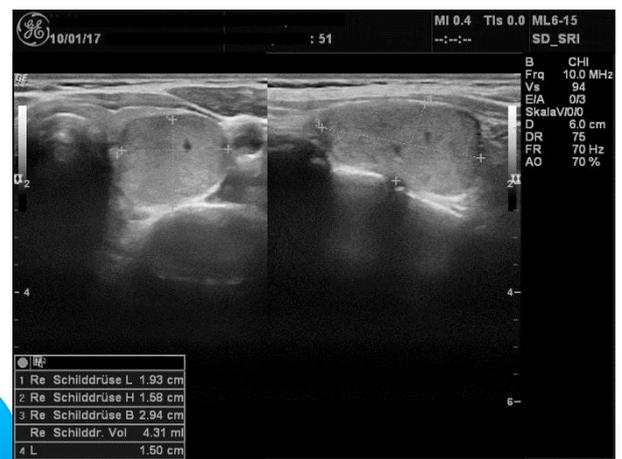
For instance, you can see hereafter the case of a **51-year old woman with a benign hypofunctional nodule in the left lobe and local symptoms**. The treatment with echotherapy led to very **good results in terms of efficacy and no side effects**.

Treatment details (28/6/16):  
Power: 3,98Kj



Before echotherapy

**-51%**



6 months after echotherapy

Echopulse® is a class IIb medical device (according to Directive 93/42/EEC) designed and marketed by Theraclion. Echopulse® has received CE-mark for non-invasive treatment of breast fibroadenomas and thyroid nodules – CE n° 0120. Not covered by statutory health insurance schemes in Europe (with the exception of Germany where it is covered by several insurance companies). Before use, read the instruction for use carefully.

Non contractual pictures

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