

# The use of Medical Infrared Imaging in Rehabilitation Medicine

*Thermoguided Treatments in Pain Medicine  
In theory and practice*

**3 day course  
October 30, 31 and November 1**

*Medical Infrared Imaging Course for measurement and analysis of naturally emitted infrared radiation from the human skin surface. Using infrared cameras and preparation of reports for Medical Thermography.*

**Location:** Epe, The Netherlands

**Course fee:** 1750 euro (1446,28 excl. vat)

**Lecturer:** Prof. Dr. med. Marcos Leal Brioschi

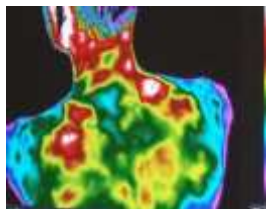
## What is Medical infrared Imaging (Thermography)

Medical infrared imaging (MII) provides a non-radiating and contact-free method to display sympathetic skin vasomotor response, inflammation or vascular skin perfusion. Skin galvanic impedance, vasomotor and sudomotor functioning can be assessed through infrared skin response studies. The efficiency of new high definition MII systems make it a valuable auxiliary for detecting thermal abnormalities characterized by increases or reductions in skin heat.



## Topics of this course:

- Introduction Medical Thermography.
- Basic Thermal Science and Ambient control (moisture meters, temperature control).
- Infrared cameras.
- Image capture technique (practical "hands on" session).
- Laboratory preparation.
- Thermoregulation and Patient preparation.
- Qualitative and Quantitative analysis (practical session with software).
- Report Preparation Thermography (practical session with software).



- Myofascial pain (Muscle Tear, Musculoligamentous Spasm, Referred Pain Syndrome, Trigger Points)
- Tendonitis, Bursitis, Ligament Tear, Sprain/Strain
- Peripheral Nerve Injuries (Carpal Tunnel Syndrome, Thoracic Outlet Syndrome, Nerves Impingement)
- Reflex Sympathetic Dystrophy, Causalgia
- Thermographic quantification and qualification of physical and functional limitations
- Lumbar pain (Nerve Root Irritation, Facet Syndromes, Disc disease)
- Inflammatory Diseases/Synovitis/arthritis
- Orofacial pain (Trigeminal Neuralgia, Temporal Arteritis, TMJ Dysfunction)
- Headache Evaluation

In fibromyalgia patients, Medical Infrared Imaging is very helpful to make a differentiation between Fibromyalgia pain and pain caused by another problem or illness.

*Medical Infrared Imaging is a method that does not replace current radiological techniques (as radiography, ultrasound, CT, MRI). Infrared Imaging will show the physiological changes in the body reflected by microcirculation, inflammatory, metabolic and sympathetic changes from the skin.*



## Thermografie Centrum

The Dutch International Thermography Center located in Epe, The Netherlands offers Medical Thermography training in English Language.



In 2015 we offer several medical Infrared Imaging courses. The course language is English.

Your lecturer in Medical Thermography:  
**Prof. Dr. med. Marcos Leal Brioschi**

Prof. Brioschi has Post-doctoral at Hospital of Clinics of the University of São Paulo Medical School, Department of Neurology. He is specialist in general surgery and Forensic Medicine. Expertise in Trauma surgery and Clinical Thermology (infrared imaging, thermography). Certificate in Pain (SBED). Master-en PhD in surgery. Postdoc, Neurology USP. CNPq researcher. Medic pain Center IOT-HCFMUSP.

He is also: Ph.D in Thermology at Sao Paulo University, Medical director of InfraREDMed, Pain Center, Clinic Hospital, University of São Paulo, Brazil.



## Hotel information:

Princess Hotel Epe  
Dellenweg 115  
8161PW Epe  
The Netherlands  
Visit the website for special room rates.

For more information and online registration visit

[www.thermografie-centrum.nl](http://www.thermografie-centrum.nl)

Sign up before September 30<sup>th</sup>!!!

During the course there are infrared cameras available!