

**Injury Detection and Prevention  
Course Program Part I**

**November 3 - 4, 2016**

**Medical Infrared Imaging  
in biomechanics and  
the use in sport medicine**

**The Netherlands**



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



**Thermografie  
Centrum**

**Visit the website for more information about  
course fee, course dates and online registration.**

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



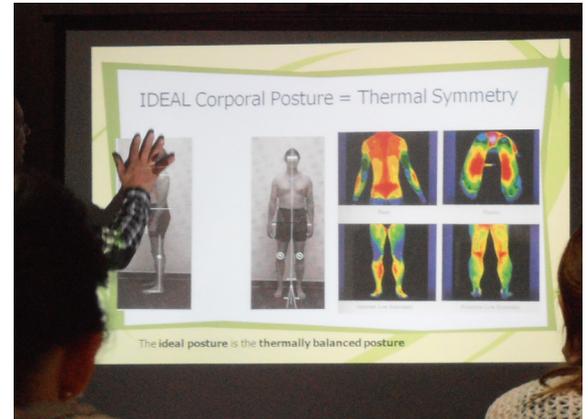
# Medical Infrared Imaging in biomechanics and the use in Sport Medicine Course

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

**For whom:** Medical doctors, physiotherapists, employees medical rehabilitation clinics and other health care professionals.

## Course description:

Postural deviations results in thermal imbalance. Thermal imbalance can cause serious damage combined with misguided physical activity and inappropriate intensity. Thermal imbalances can guide the type of exercise that may or may not to do. The aim of this course is to implement the use of Medical Infrared Imaging for evaluation of biomechanics and muscle overloads during patient treatments. And also the thermographic identification of mechanical overload, assessment of muscle fatigue and injury prevention with thermographic biomechanical analysis. With appropriated training, it is possible to use Medical Infrared Imaging in many situations.



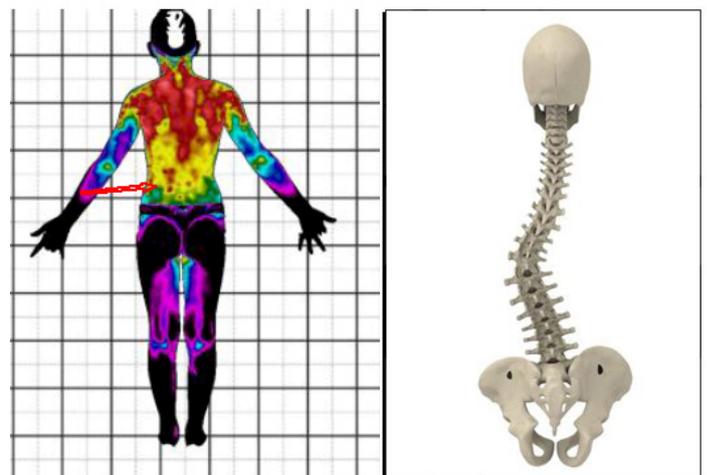
## Topics of this course:

- Historical Background
- Uses of medical thermography
- Anatomic and Physiologic Thermographic Basis
  - Muscles thermophysiology
  - Human being normal pattern
- Thermographic Postural Assessment
- Technical aspects
  - Infrared Electronic Instrumentation (cameras & software)
- Patient and laboratory preparation
  - Artifacts: instrumentation-induced and patient-induced
- Thermographic examination – Image acquisition in biomechanics and the use in sport medicine.
- Thermographic interpretation (postural deviations, mechanical overloads, deficits)
- Podothermography
- Hands on with software

After completion of the entire course, you will receive a certificate of attendance.

## For more information about:

Course dates, course fee, location and online registration, please visit the website [www.thermografie-centrum.nl](http://www.thermografie-centrum.nl) or send an email to: [irma.wensink@thermografie-nl.com](mailto:irma.wensink@thermografie-nl.com)



*Medical Infrared Imaging provide you the pathophysiological information, nerve dysfunctions and nerve compression in patients with scoliosis.*

**Medical Infrared Imaging is a proven technique, save, easy, fast and painless to detect functional pathology. It is used in addition to clinical evaluation with structural techniques as X-ray, ultrasound, and MRI.**

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