

## SPECIFICATIONS:

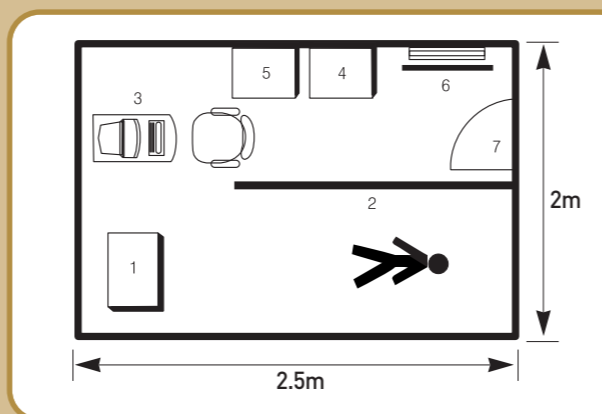
1. Temperature resolution: 0.05 °C
2. Temperature measurement range: 14.5 ~ 40 °C
3. Automatic & manual focus : Both all available
4. Image resolution: 320(H) x 240(V) or 640(H) x 480(V)
5. Display resolution: 640(H) x 480(V)
6. Detector type: Microbolometer
7. Wave length: 7.5~14 microns
8. Field of view: 37.5°(H) x 50°(V)
9. Imaging output: RS-170(NTSC)
10. Focus range: 40cm ~ Infinity
11. Rotatable camera head: Available & Remote controller
12. Color mode: 8,16,16(chroma), 32, 64, 256, Gray Scale, (7 Type)
13. Image process functions: Zoom, Inverse, Flip, Reset, Magnify, Pan, Fit Subtraction, etc.
14. Real time image storage
15. Compensation function of room temperature
16. Software functions: Win level, ROI, DROI, SROI, Pain draw chart, Data Backup, AVI save
17. Image network system: PACS System
18. Computer Specification
  - Operating System\_ MS Windows 10
  - CPU\_ Intel CORE i5 (3.0Ghz, Quad-Core)
  - HDD\_ 500 GB
  - RAM\_ DDR3 8GB
  - MONITOR\_ 19.5inch LCD Monitor
19. Electric power: AC 100~220V, 50/60Hz, 250W

# IRIS-XP

## Real Time infrared *Digital Thermography* IRIS-XP

- ➔ Medcore acquired the patent in Korea for the thermography technology as we invested in a new development for over 20 years and have been positioned in a leading company through the world.
- ➔ Medcore guarantees the high quality and best technical service to the clients as we have the best production process.
- ➔ Medcore cooperates with the research center in several universities and we have a lot of clinical experiences and materials. Particularly, we support The Korean Society of Thermology which is held every year.

### Thermo-Room



- 1 : Camera    2 : Curtain    3 : Console
- 4 : Air-conditioner    5 : Heater
- 6 : Curtain    7 : Door





# IRIS-XP

Medicore Co., Ltd. is a leading company of Infrared Thermography.

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Versatile Clinical Applications by High Quality Medical Infrared Thermographic Images

## ❖ What is the Infrared Thermography Imaging System?

It displays the thermal images of sensitive changes on the skin surface or the pain area by detecting the extra minimum infrared ray emitting from the body. And it is a sole equipment to diagnose the neuropathy, muscle pain syndrome and circulatory disorder which are difficult to be found by CT or MRI.

## ❖ What are the main advantages of Infrared Thermography?

- It does not give any damages on the body and it is possible to measure the pregnant women without any radiation.
- It is non-invasive and has no pain at all.
- It is possible to evaluate the pain objectively.
- It can be detecting the physiological problems.
- It is easy to compare the result before and after the treatment.
- It helps to figure out the malingering ill.

+ Medicore Co., Ltd. makes the standard of Infrared Thermography.

+ Medicore Co., Ltd. has the market share over 80% in medical market.

## Advantages of IRIS-XP

- ◆ Highly advanced technology
- ◆ Best clinical support and remote-diagnosis system
- ◆ PACS & EMR are available to the connection
- ◆ One-stop service for the client from A to Z
- ◆ Main sponsor for The Korean Society of Thermology

## MAIN FEATURES

### 1. HIGH RESOLUTION COLOR

It is an excellent temperature resolution to display the color at maximum of 256 scales, making it possible to display delicate body temperature patterns.

### 2. REAL TIME IMAGING RECORDING

It is possible to save the images of taken at real time.

### 3. SUTABLE TEMPERATURE RANGE FOR HUMAN BODY

It measures the temperature range at 14.5-40°C.

### 4. AUTO FOCUSING TECHNOLOGY

It is possible to control the focus of images and the patient's posture as well.

### 5. PACS AND EMR COMMUNICATIONS

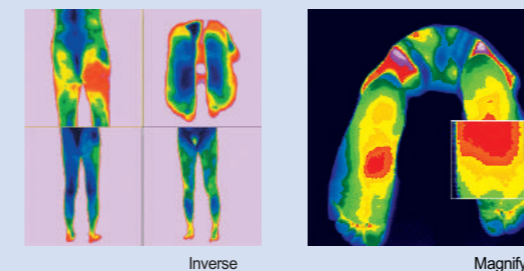
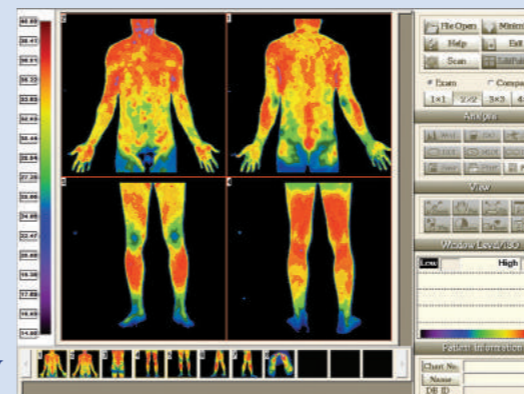
### 6. USEFUL & INGENIOUS DATABASE

### 7. VARIOUS COLOR - PATTERN SELECTION

It can be applied to select the various patterns with 7 different colors.

### 8. VARIOUS IMAGE TOOLS

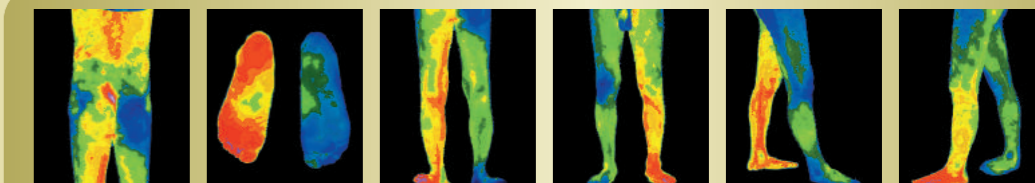
Temperature window level control / Region Of Interest (ROI) / DROI / Isothermal Zone / Fit / PAN / Zoom / Magnify / Save all data



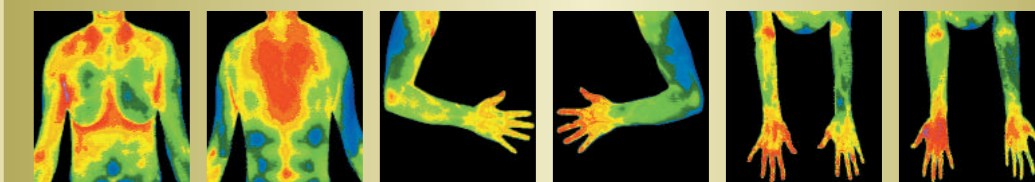
## CLINICAL APPLICATION

- 1 Neural Disease : Peripheral nerve injury, Spinal cord disorders, Hyperhidrosis, Migraine, Trigeminal neuralgia, CVA
- 2 Musculo Skeletal Disease: Myofascial pain syndrome, Arthritis, Brachial plexus injury, Rheumatoid arthritis, Musculoligmentous spasm, Sprain & strain, Myofascitis
- 3 Vascular Disease : Deep vein disease, Varicose vein, Thrombosis, Burger' s disease, Raynaud' s syndrome, Vascular inflammation
- 4 Breast Screening
- 5 Internal Secretion : Thyroid gland
- 6 ENT/Urinary/Dental : Paranasal sinusitis, Impotence, TMJ
- 7 Skin Disease : Burn, Eczema, Allergic skin, Effect of skin grafting

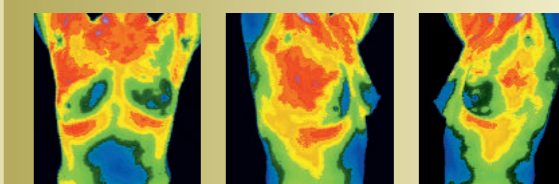
Lumbar Neural Disease



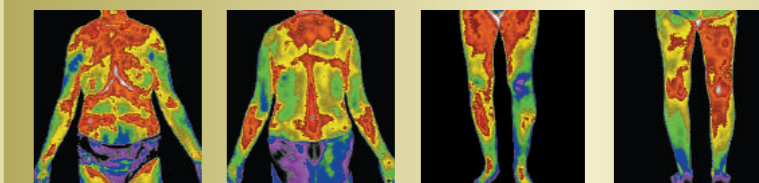
Cervical Neural Disease



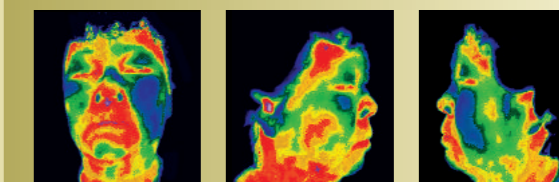
Breast Cancer



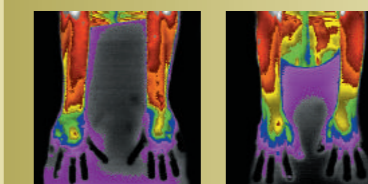
CVA



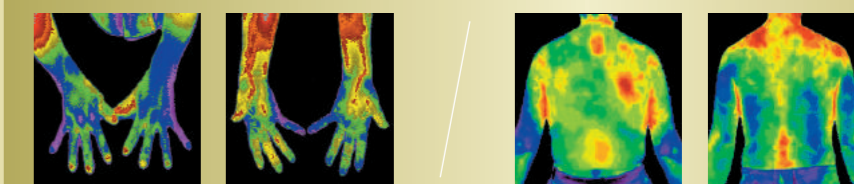
Facial Palsy



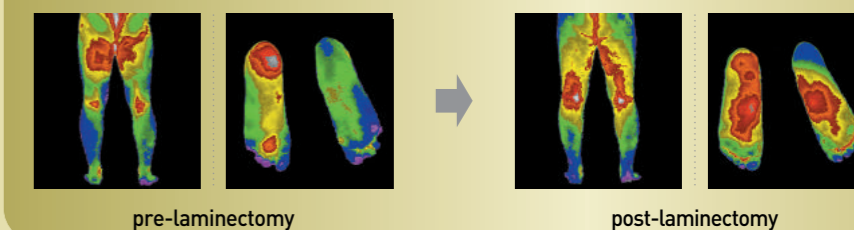
Raynaud's Syndrome



CTS / MPS



Comparison of Pre and Post-Treatment



pre-laminectomy

post-laminectomy