

Digital Infrared Thermal Imaging System



“New Concept of Pain & Breast Screening”

IRIS-XP

FDA cleared Medical Thermography Imaging System

Medical Thermography

NEW CONCEPT OF PAIN & BREAST SCREENING SYSTEM

► IRIS-XP?

IRIS-XP is FDA/CE approved Medical Infrared Thermography System and it displays the thermal images of sensitive changes on the pain area by detecting the extra minimum infrared ray emitting from the body.

It is very useful equipment to diagnose the Neuropathy, Breast cancer, Physiological Problems, Inflammation and Circulatory disorder which are difficult to be found by CT or MRI without any radiation.

► Why Shoud You Use IRIS-XP?

✔ High-Technology & Medical Study



- ❑ International Medical Certificates [FDA, CE, CFDA]
- ❑ Built the Standard Reference of Body Temperature for Normal People
- ❑ Researches for over 20 years internationally

✔ Benefits



- ❑ The procedure is totally Non-Invasive & No Pain [Available for Pregnant Women]
- ❑ As it's not involve ionizing radiation, there is no patient risk
- ❑ Provide Information for the Physiological Problems for which other imaging system couldn't detect
- ❑ Easy to Compare the Result Before and After the Treatment by Thermal Image

✔ Usefulness



- ❑ Quantitatively analyze and visualize the Physiological States of Pain
- ❑ Judge and screen the blood circulation and the underlying disease related to ANS dysfunction
- ❑ The unique tool to visually indicate the Musculoskeletal Disorder

► Clinical Applications

Cancerous Diseases

Breast Cancer Screening, Thyroid & Parathyroid Disease

Neural Diseases

Disc & Spinal Nerve Injury, Spinal Stenosis, Neuralgia, Chronic & Acute Back Pain, Carpal Tunnel Syndrome, Peripheral Nerve Injury, Causalgia, Autonomic Nerve Injury, CRPS, Hyperhidrosis, CVA, Facial Palsy, Migraine, Sensory Nerve Abnormality

Musculoskeletal Diseases

Myofascial Pain Syndrome, Arthritis, Brachial Plexus Injury, Rheumatoid Arthritis, Sprain & Strain, Myofascitis

Vascular Diseases

Deep Vein Disease, Varicose Vein, Thrombosis, Peripheral Vascular Disease, Buerger's Disease, Raynaud's Syndrome, Vascular Inflammatory Disease

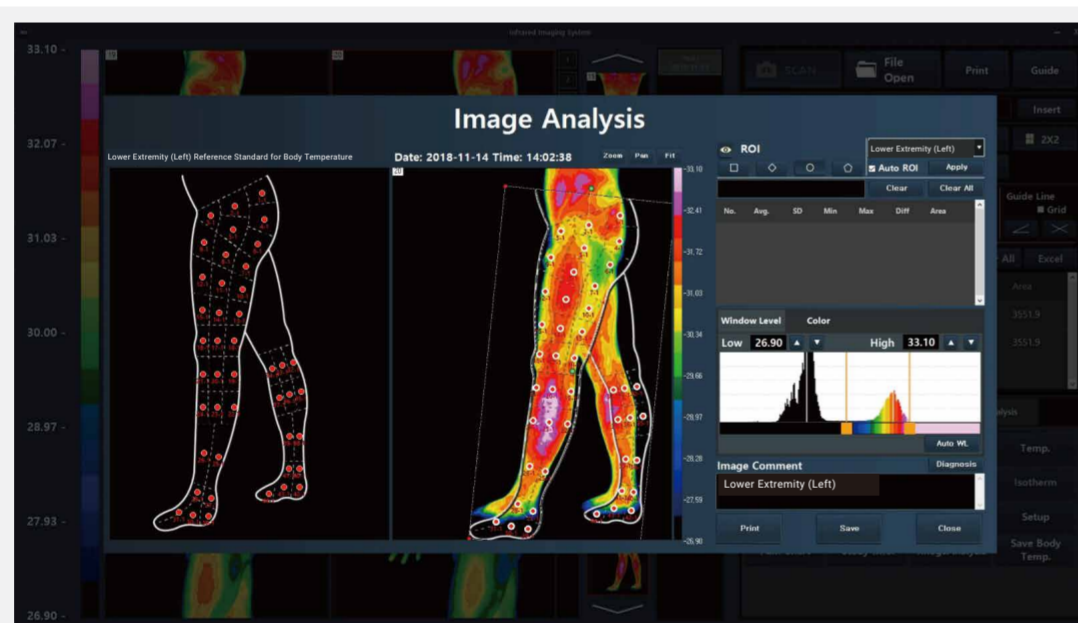
Optimized in Medical Use

DESIGNED FOR MEDICAL THERMOGRAPHY

► Features

- ❑ World-Class IR Imaging Resolution
- ❑ Digital Zooming & Auto Focusing Technology
- ❑ Motorized Stand & Rotatable Camera Head by Remote Control
- ❑ Actual Temperature Realization
- ❑ Auto Temperature Compensation Function according to Room Condition
- ❑ Automatic Diagnosis Function
- ❑ Provide Standard Temperature Data of Normal People
- ❑ Region of Interest [ROI]
 - Automatic ROI & Thermal Pattern Identification
- ❑ Automatic Win Level Adjustment
- ❑ Positioning & Clinical Guide Program
 - Positioning guide for 22 poses and clinical guide for 53 diseases are provided
- ❑ Pain Drawing Chart
 - Draw the actual pain area and compare it with thermal image

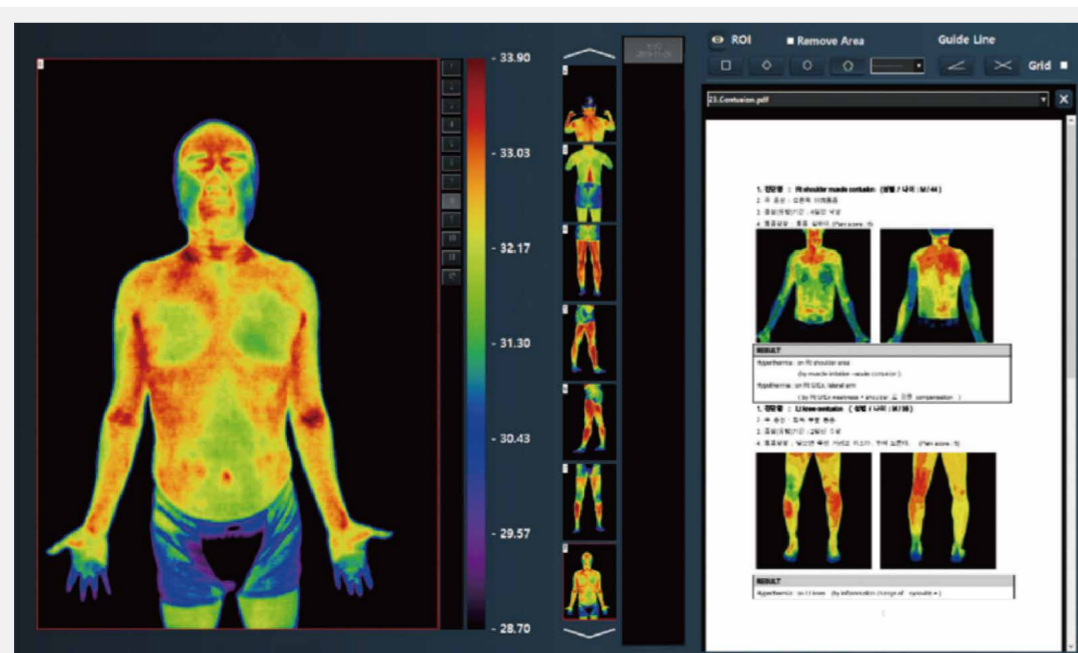
Auto ROI & Thermal Pattern Identification



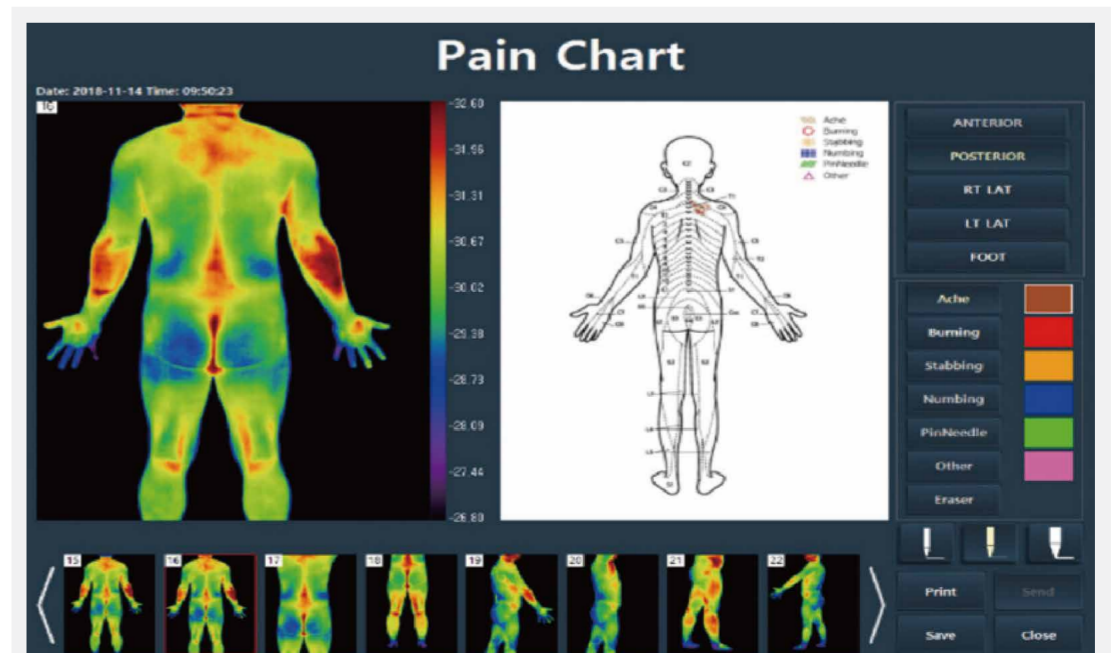
Automatic Diagnosis



Clinical Guide Program

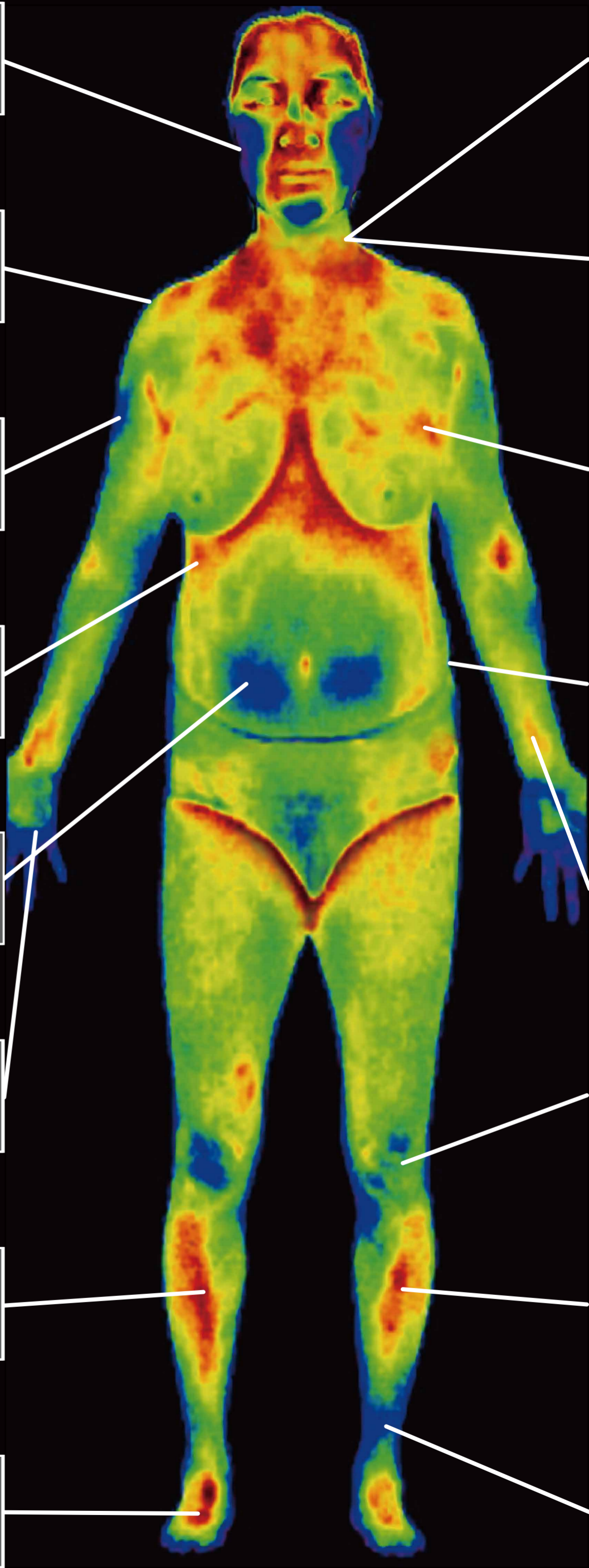
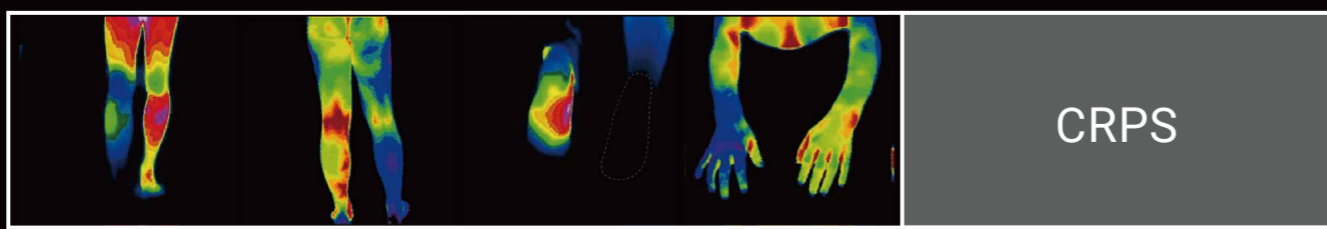
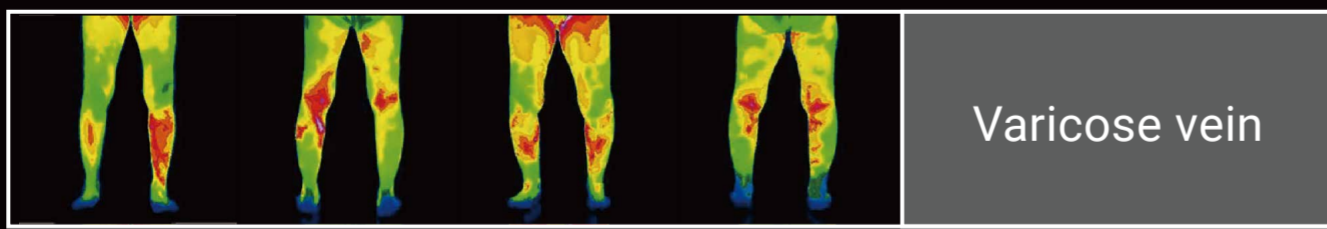
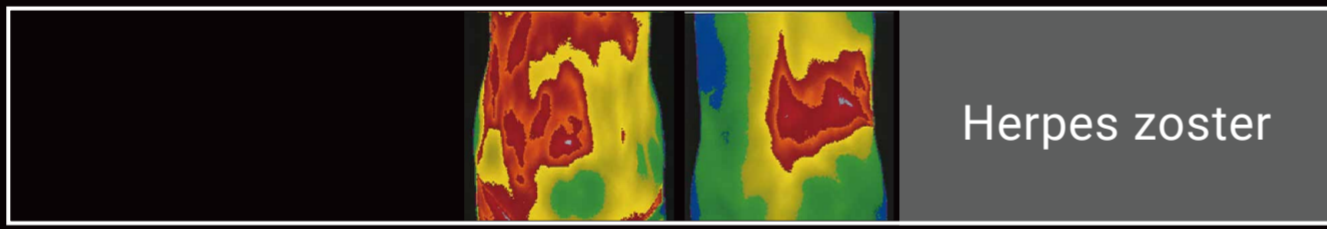
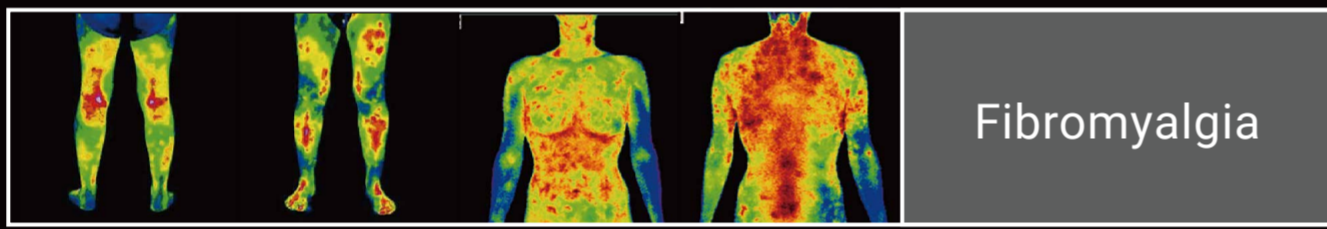
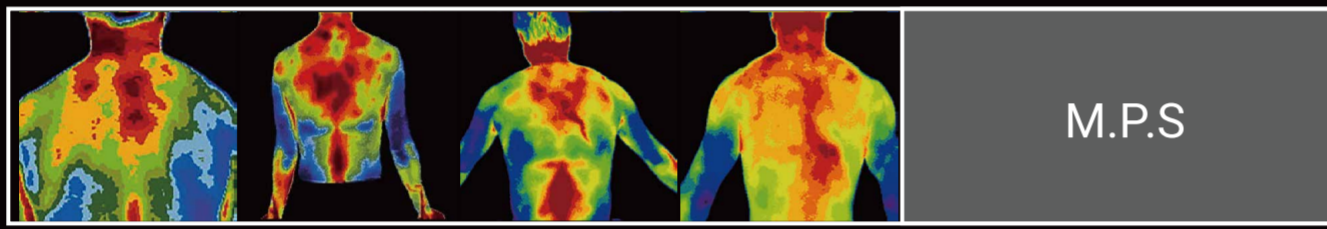
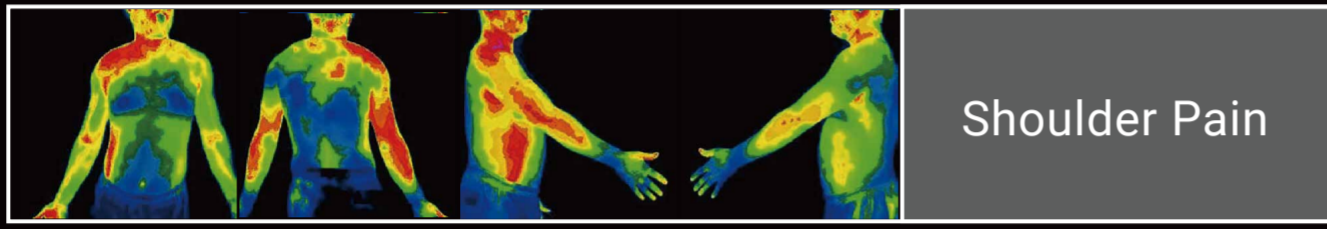
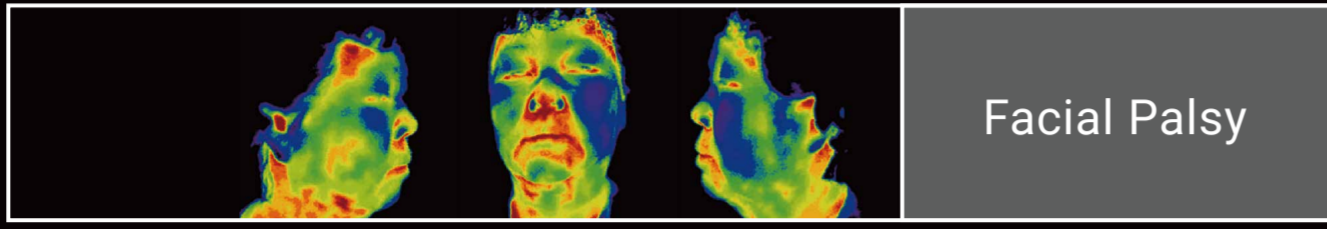


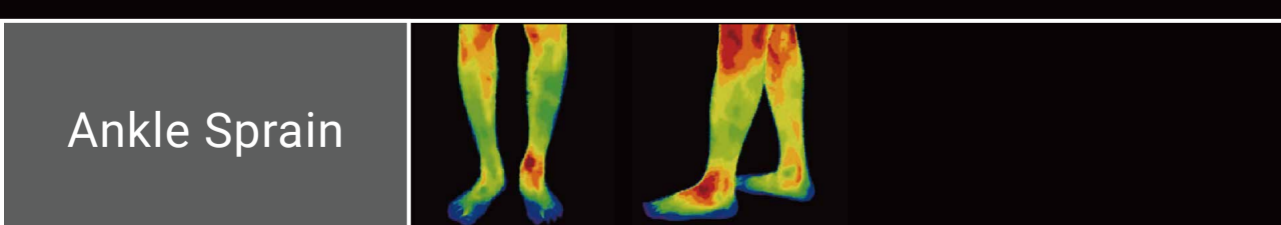
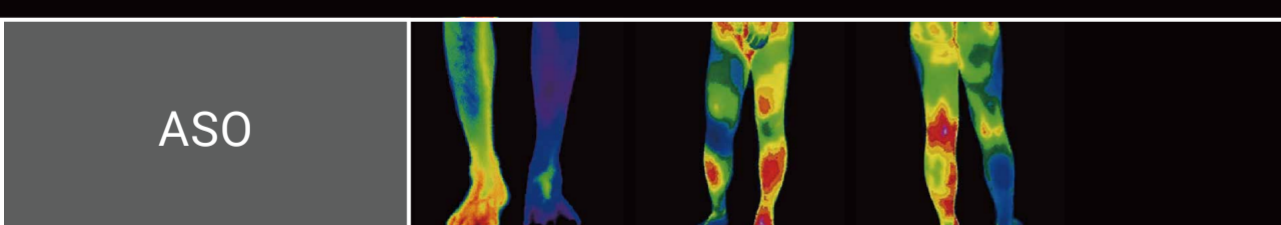
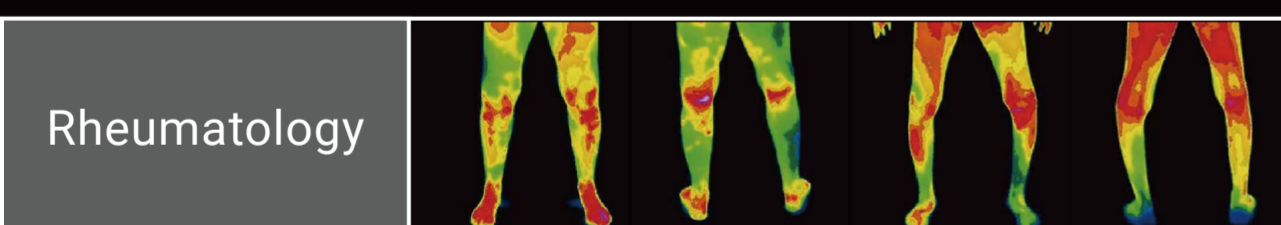
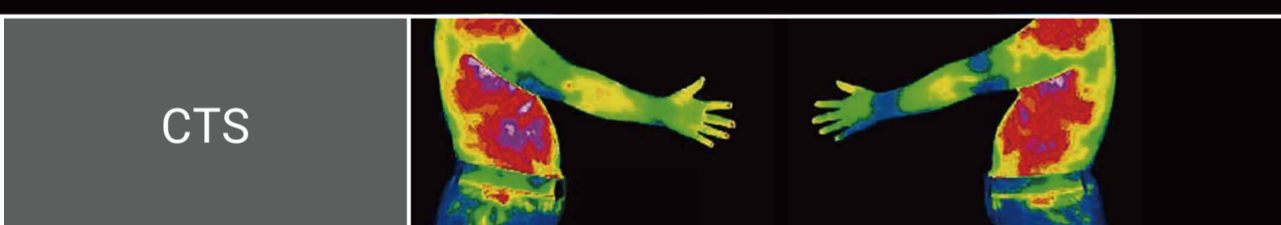
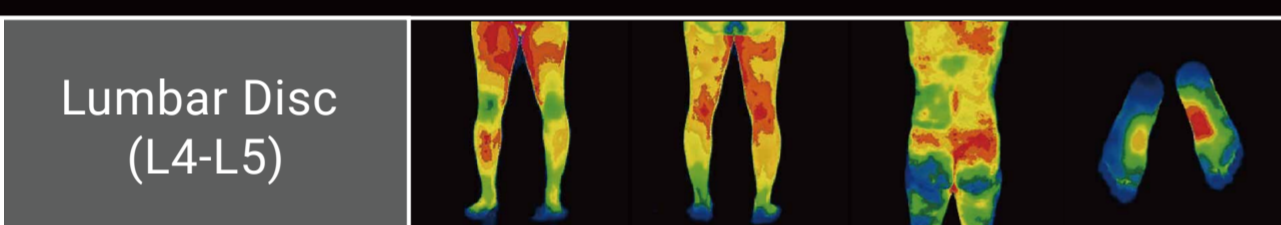
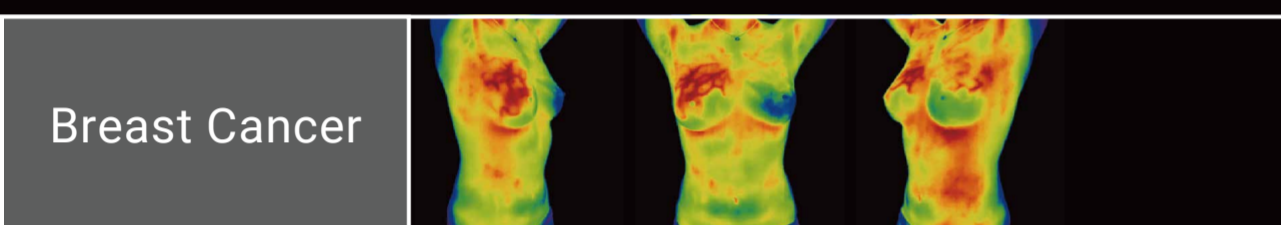
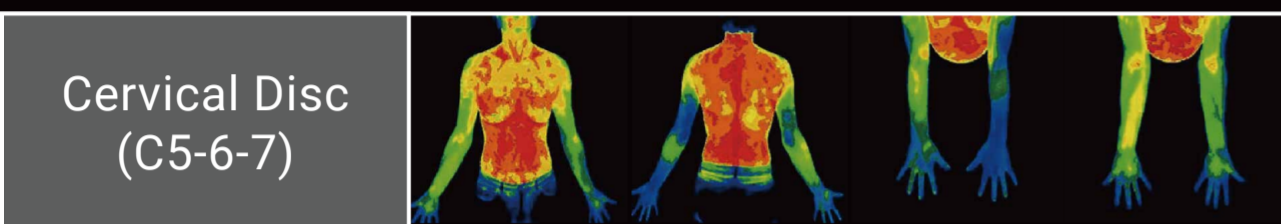
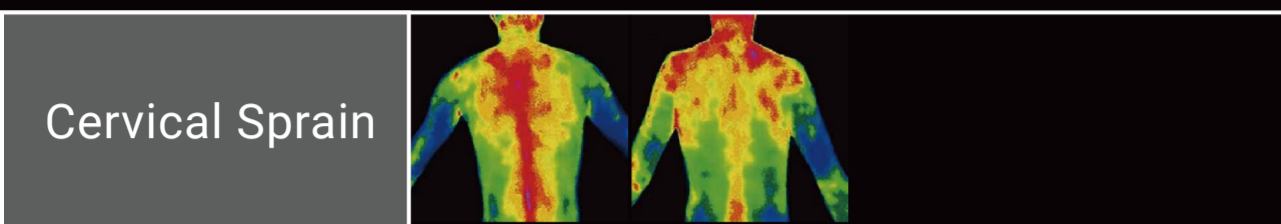
Pain Drawing Chart



Clinical Cases

A UNIQUE THERMAL IMAGE INTO YOUR HEALTH





► **Breast Thermography**

It is a valuable procedure for alerting doctor of changes that can indicate early stage breast disease.

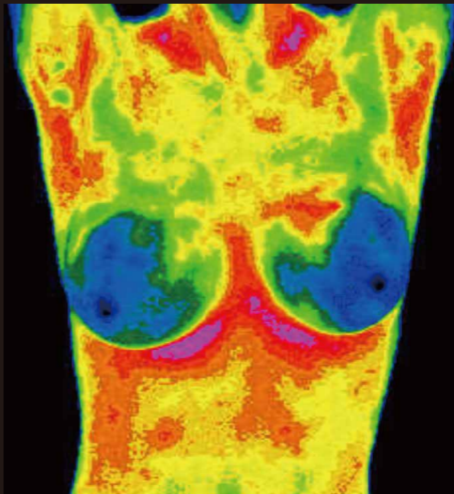
We offer the opportunity of earlier detection of breast cancer than has been possible than has been possible by mammography alone.

► **Painless & Non-Invasive**

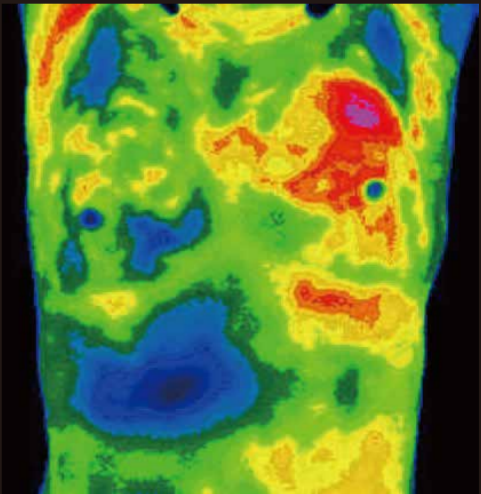
Unlike mammography, the procedure for thermography is painless, non-invasive, and radiation free.

- No radiation
- Closer monitoring available without being exposed to radiation
- No painful compression
- Detects early warning signs before a lump formation
- Effective for women with dense breast tissue
- Effective for women with fibrocystic breasts
- Effective for women with breast implants
- Effective for younger women/teens
- Comfortable
- Convenient

Abnormal Breast



F/23
Lt UIQ 3.5cm
Phyllodes tumor
M/US: suspicious Ca.
ΔT=1.7



F/53
Lt upper Ca.
4cm palpable
with axilla
III LN mets

Specification

<p>Type</p>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>Premium Type</p> <ul style="list-style-type: none"> • Camera • Motorized Stand • Work Station </div> <div style="text-align: center;">  <p>Standard Type</p> <ul style="list-style-type: none"> • Camera • Motorized Stand • Software </div> <div style="text-align: center;">  <p>Economy Type</p> <ul style="list-style-type: none"> • Camera • Tripod Stand • Software </div> </div>
<p>IR Camera</p>	<ul style="list-style-type: none"> - IR Resolution : 384x288 pixels or 640x480 pixels - Pixel Size : 17um - Thermal Sensitivity (NETD) : ≤50mk - Focal Length : 8.1mm - FOV : 49° x 36° - Spatial Resolution(IFOV) : 1.1mRad - Spectral range : 8~14 Microns - Detector Type : Uncooled Micro-bolometer - Frame Rate : 9 or 30 Hz
<p>H/W</p>	<ul style="list-style-type: none"> - Focusing Type : Auto Focusing [Premium], Manual Focusing [Economy / Standard] - Stand Type : Motorized Stand [Premium / Standard], Tripod Stand [Economy] - Rotating Camera Head by Remote Control [Premium] - Electric Power : AC 100~220V, 50/60Hz, 250W
<p>S/W</p>	<ul style="list-style-type: none"> - Color mode : 19 different color modes - Auto Temperature Compensation Function - Image process functions : Zoom, Crop, Isotherm, Flip, Reset, Magnify, Pan, Fit etc. - Software functions : Auto Win Level, ROI, Auto ROI & Thermal Pattern Identification, Automatic Diagnosis by AI, Real time IR image recording - Image network system : PACS System
<p>Certificates</p>	<div style="display: flex; justify-content: center; align-items: center; gap: 20px;">      </div>

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