VON ARDENNE APPLIED BIOMEDICAL TECHNOLOGIES

Science in Alliance with Nature

IRATHERM®1000M

Life in evolution with hyperthermia: improving health and quality

of life.



wIRA infrared penetrates up to 7 cm deep



Boosts immunity / metabolism / nervous system & overall balance **40**⁺

Backed by **40+** clinical studies





MEDICAL INNOVATION
- MADE IN ■ GERMANY

The basic principles of hyperthermia

" Give me a means to create a fever, and I will heal any disease."

Parmenides

Fever is one of the body's innate and powerful defense mechanisms. It activates the immune system, while the heat expands blood vessels, enhances circulation, and improves perfusion in deficient areas.

Deep perspiration promotes the elimination of accumulated toxins, supporting detoxification and metabolic balance. It also relaxes tense muscles, restoring harmony to body and mind.

Moderate hyperthermia provides a safe and controlled way to simulate the body's natural fever response, transforming this primal defense into a therapeutic power.



- Enhanced perfusion of organs and tissues
- Accelerated metabolism
- Stimulation of the hormonal system
- Stimulation of the immune system
- Reduction of muscle tension
- Acceleration of nerve conduction

Discover how IRATHERM $^{\circ}$ 1000M infrared hyperthermia system can enhance preventive medicine, wellness centers, or anti-aging programs. Contact our professional team for tailored solutions.



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Forms of whole-body moderate hyperthermia

The IRATHERM® process creates an artificial fever safely. It uses water-filtered infrared A (wIRA) radiation, simulating sunlight filtered through water vapor.

This radiation penetrates deep into tissue, absorbed in the dermis and distributed quickly, leaving the epidermis almost unaffected.

Evidence-Based Medicine (EBM) Comparative Table

Initial exam determines therapy plan.

Patient lies unclothed on a mesh net (head outside), covered with sheet and reflective foil.

Heat radiation comes from below.

Pulse, blood pressure, body and skin temperature are monitored.

Treatment lasts 60 – 90 minutes, target core temperature 38.5 – 40°C.

Staff adjust radiation as needed.

After warming, patient rests 30 minutes.

Final medical exam concludes therapy series.

Indications for moderate hyperthermia

- Muscle tension,
- chronic back pain
- neuralgia
- Fibromyalgia
- ankylosing spondylitis
- Chronic and subacute inflammation
- rheumatic diseases
- Bronchial asthma
- Allergic conditions (hay fever, neurodermatitis, etc.)

- systemic scleroderma
- Detoxification
- metabolic support
- blood pressure regulation
- Chemotherapy adjunct
- oncological pain relief & immune support
- Post-exercise recovery
- weight management

Evidence-Based Medicine (EBM) Comparative Table

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Category	wIRA Whole-body Hyperthermia	Sauna	LED Infrared Cabin
Medical Device Certification	CE/MDR certified medical device	None	None
Chronic Inflammation	Converts chronic inflammation to acute, promotes immune clearance	Short-term relief only, no conversion effect	Short-term pain relief, no long-term data
Immune Enhancement	Enhances immune activity and regulation	No supporting evidence	Preliminary findings, no clinical validation
Detoxification	Heat induces deep sweating + elimination of heavy metals	Lacks detox-related studies	No clinical validation
Cardiovascular Prevention	Improves microcirculation, blood pressure control, vascular dilation	No long-term evidence	No solid clinical support
Autonomic Nervous SystemImprovement	Proven regulation of sympathetic / parasympathetic balance	Only relaxation effect	Lacks medical evidence