



ADVANCED
HYPERTHERMIA
TECHNOLOGY.

**MANUFACTURED
IN INDIA**

**MIRACLE 1°C DEEP HEAT.
PRECISE ENGINEERING. PROVEN SCIENCE.**

An advanced high frequency hyperthermia system, engineered for thermal therapy applications in oncology and allied medical disciplines.



**NON-
INVASIVE**



**PRECISION
ENGINEERED**



**ACCESSIBLE
TECHNOLOGY**

miracle[°]

hyperthermia machine

THE FUTURE OF **CANCER CARE**

DIVERT **CANCER.**

DELIVER **INNOVATION.**

Our advanced hyperthermia technology uses precise heat to target and dissolve cancer cells — safely, gently, and without pain.



Who We Are

Miracle 1°C

Advanced Hyperthermia Systems, **Made in India**

Miracle 1°C is an Indian medical technology company focused on the design, development, manufacturing, and global distribution of advanced high frequency hyperthermia systems. Our systems are distributed internationally through Oriental Healthcare & Research Pte Ltd, Singapore.

We are committed to building reliable, safe, and accessible hyperthermia technology that supports healthcare professionals and oncology institutions across Asia and beyond.



Core Capabilities

Miracle 1°C combines engineering expertise, research, and precision manufacturing to develop advanced hyperthermia systems for healthcare institutions worldwide. Our capabilities include:

- Medical Device Design & Engineering
- Research & Product Development
- Precision Manufacturing
- Quality Assurance & Validation
- Global Distribution & Technical Support

Why Partner with Miracle 1°C

Miracle 1°C is more than a medical device-it is a trusted technology partner for healthcare institutions and distributors.

- Designed, developed, and manufactured in India
- Research-driven product innovation
- Robust quality management and testing
- Global distribution network
- Clinical guidance through an expert advisory panel
- Distributor and OEM partnership opportunities

OUR VISION

To become a leading Indian manufacturer of hyperthermia technology and thermal therapy systems, recognised globally for engineering quality and research integrity.

OUR MISSION

To advance medical innovation through precision manufacturing, continuous R&D, and the delivery of hyperthermia systems that meet the needs of modern oncology practice worldwide.

OUR VALUES

- Engineering Excellence - Every unit is built to perform consistently, safely, and repeatably
- Research-Driven - Our technology is aligned with internationally published hyperthermia science
- Make in India - Proudly designed, developed, and manufactured in India
- Global Reach - Serving healthcare institutions and distributors across Asia and key international markets

A marble bust of Hippocrates, the Father of Medicine, is shown in profile on the right side of the image. The background features a blurred view of classical columns.

HEAT CAN CURE ALL

HIPPOCRATES THE FATHER OF MEDICINE

Research in thermal physiology has shown that body temperature is not merely a symptom marker - it is an active participant in the body's defence mechanism.

When body temperature decreases by just 1°C , metabolic activity reduces by approximately 12% and immune response drops by up to 30%. Conversely, a controlled increase of 1°C can stimulate immune response by 3 to 5 times.

This is the biological principle the Miracle 1°C system is engineered to harness - precisely, consistently, and safely.

ONE DEGREE. PRECISELY DELIVERED. CONSISTENTLY REPRODUCED.

WHAT IS HIGH-FREQUENCY HYPERTHERMIA?

High-frequency hyperthermia is a technology-driven thermal therapy modality that generates deep, controlled heat within body tissues using precisely calibrated radio frequency energy. Unlike surface-level heat applications, high-frequency systems deliver therapeutic temperatures deep within targeted tissue - a capability that Miracle 1°C achieves through its resistive duplex frequency transmission design.

HYPERTHERMIA OF MIRACLE 1°C

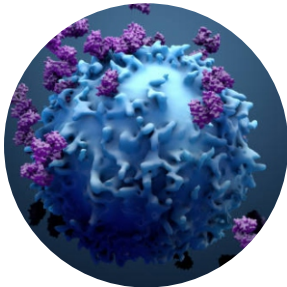
DEEP HEAT MECHANISM

TECHNOLOGY OF MIRACLE 1°C



THERMAL ACTION

High-frequency hyperthermia operates on the principle that different tissue types respond differently to elevated temperatures. At approximately 42–43°C, normal cells manage heat effectively through vascular expansion and increased blood flow. Tumour cells, which lack this efficient heat-dissipation mechanism, are subjected to a significantly different thermal environment at the same temperature. The Miracle 1°C system is engineered to deliver and sustain this targeted thermal range with precision.



PHYSIOLOGICAL RESPONSE

Thermal elevation achieved through high-frequency hyperthermia has been studied for its role in supporting the body's natural immune mechanisms. Research indicates that a controlled increase of 1°C in body temperature may stimulate immune response by 3 to 5 times - supporting the body's ability to identify and respond to abnormal cell activity.

What is DEEP HEAT?

When high frequency electric energy is applied, frictional heat is generated through molecular movements - rotation, friction, twist, and collision - within the body's own tissues.

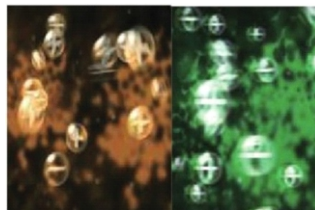
This high frequency energy has no effect on sensory or motor nerves, allowing targeted areas to reach therapeutic temperatures without discomfort or muscular contraction.

The resulting heat energy increases local cellular function and blood flow through controlled temperature elevation.

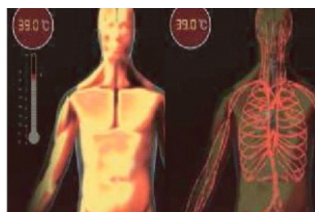
Take high-frequency to human body



Induce vibration of water dipole ion



Generate Heat (Frictional Heat)



BODY HEAT

Molecular movement within tissue generates heat from within

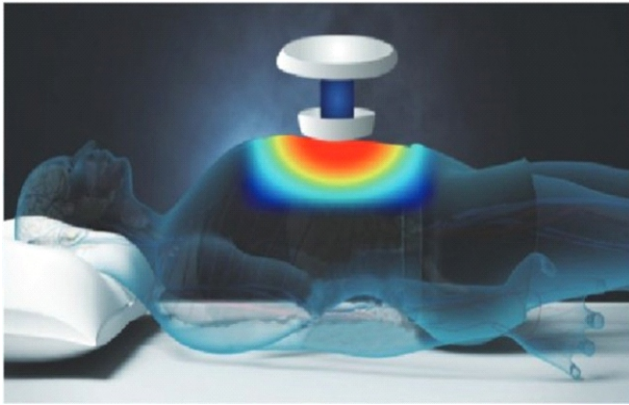
BLOOD FLOW RATE

Thermal elevation over 40°C causes capillary expansion, improving local circulation

DEEP HEAT

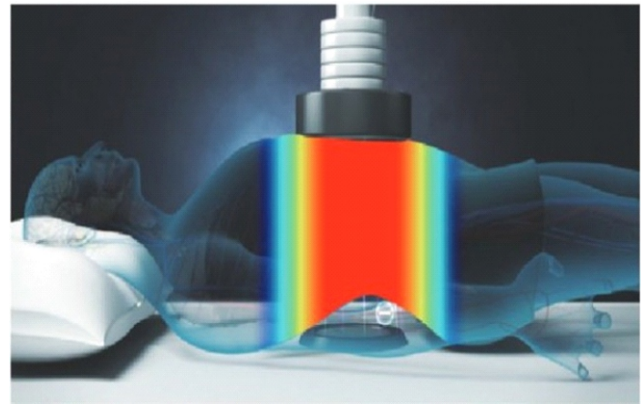
Sustained, controlled deep heat penetrates targeted tissue uniformly

Differences in Method. Differences in Result.



CONVENTIONAL CAPACITIVE SYSTEMS

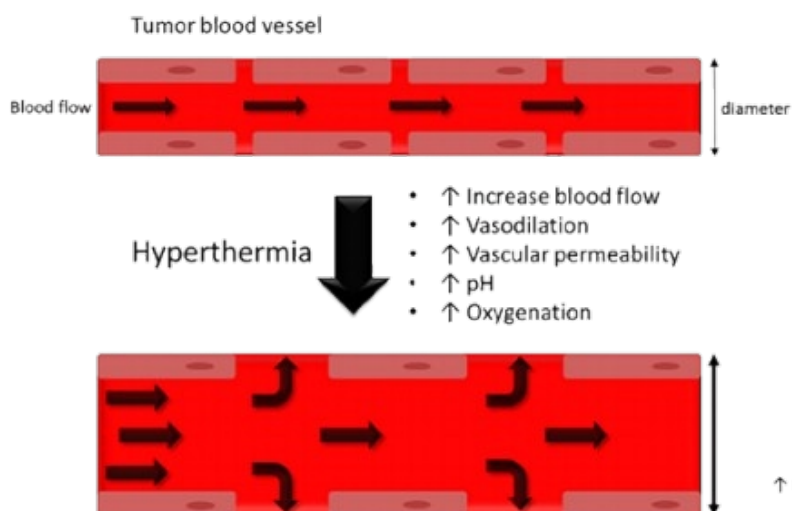
Most conventional hyperthermia equipment operates on a capacitive principle, concentrating heat in the subcutaneous layer. Deep tissue penetration is limited, reducing the effective therapeutic reach of the system.



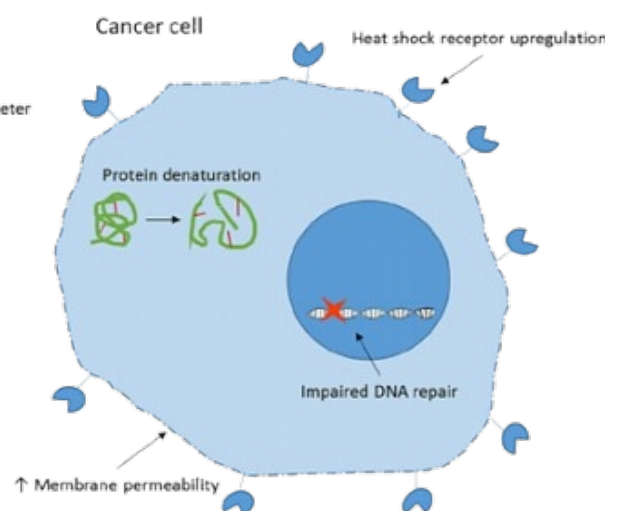
MIRACLE 1°C - RESISTIVE DEEP HEAT SYSTEM

Miracle 1°C operates on a resistive principle, generating frictional heat directly within body tissue through molecular movement. This produces uniform heat distribution across both the subcutaneous and deep tissue layers - enabling effective thermal delivery to targeted areas at depth.

PHYSIOLOGICAL CHANGES IN TUMOR TISSUE WITH HYPERTHERMIA



VASCULAR EFFECTS

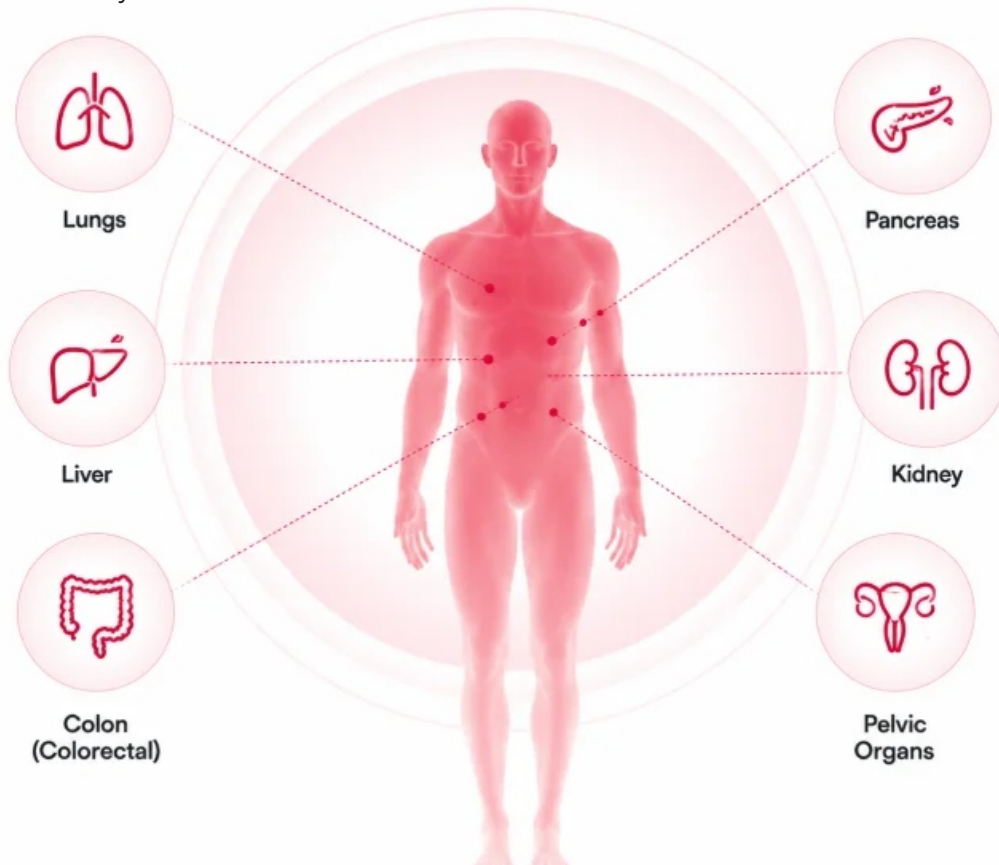


CELLULAR EFFECTS

APPLICABLE AREAS

MIRACLE 1°C

Miracle 1°C is a high-frequency hyperthermia system that uses duplex frequency transmission to generate controlled deep heat in targeted areas of the body. The system has been clinically applied across a broad range of anatomical sites, including the lungs, liver, colon, pancreas, kidneys, and pelvic organs. Its resistive heat delivery mechanism makes it suitable for deep-seated tissue areas where conventional thermal systems have limited reach.



DESIGNED FOR HEALTHCARE INSTITUTIONS

The Miracle 1°C system is designed for deployment in oncology departments, radiation therapy centres, integrative medicine clinics, and specialist hospitals. It complements existing therapeutic protocols without requiring changes to a facility's primary treatment approach.

Specification

Detail

Operating Frequency	0.46 MHz
Transmission Mode	Resistive - Duplex Frequency
Session Duration	60–120 minutes
Treatment Frequency	2–5 sessions per week
Target Temperature Range	40–43°C (tissue level)
Applicator	Interchangeable - selected per target area
Control System	Advanced real-time temperature management

ADVANTAGES OF **HYPERTHERMIA**

Complementary by Design

Engineered to work alongside radiation and chemotherapy protocols, the system enhances overall therapeutic effectiveness without disrupting existing treatment plans.

Supports Quality of Life

By addressing thermal needs at the physiological level, the technology may contribute to reduced dependence on supplementary pain management.

No Known Side Effects

The system produces no vomiting, nausea, hair loss, or skin numbness - delivering therapeutic heat without the systemic impact associated with chemical or radiological interventions.

Deep Tissue Reach

Duplex frequency resistive transmission delivers therapeutic heat uniformly to deep tissue layers - areas inaccessible to surface-based or capacitive systems.

Broad Clinical Applicability

The Miracle 1°C platform supports application across a wide range of anatomical sites and oncological indications, as directed by the treating physician.

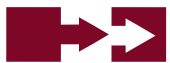
Precision Temperature Control

An advanced real-time temperature management system regulates heat delivery continuously, preventing surface reactions such as erythema or skin burns throughout each session.

MIRACLE 1°C SYSTEM

HIGH FREQUENCY THERMOTHERAPY

The Miracle 1°C system applies precisely calibrated high frequency energy to generate deep therapeutic heat within body tissue - safely, without discomfort, and without stimulating sensory or motor nerves.



Deep Heat Penetration



Non-Invasive & Painless



No Nerve Stimulation

miracle^{1°}
hyperthermia machine



MANUFACTURED IN INDIA



Every Miracle 1°C system is designed, developed, and manufactured in India, under stringent quality engineering standards. Our manufacturing process covers the full product lifecycle - from component sourcing and engineering design through to system assembly, quality control, testing, and validation before dispatch.



MANUFACTURING PROCESS



**RESEARCH &
DEVELOPMENT**



**ENGINEERING
DESIGN**



**COMPONENT
SOURCING & INTEGRATION**



**SYSTEM
ASSEMBLY**



**QUALITY
CONTROL & TESTING**



**VALIDATION, CERTIFICATION &
GLOBAL DISTRIBUTION**

GLOBAL REACH

Serving healthcare institutions and distributors across Asia and key international markets.



MANUFACTURING & INDIA HQ
PUDUCHERRY, INDIA
Manufacturing, R&D, Quality Control



INTERNATIONAL SALES & MARKETING
SINGAPORE
Oriental Healthcare & Research Pte Ltd

REGIONAL PRESENCE



BUSINESS PARTNERSHIPS

Miracle 1°C welcomes strategic collaborations with healthcare organizations and industry partners across global markets.

We offer:

- Distributor Partnerships
- OEM Manufacturing
- Institutional Procurement Support
- International Market Development
- Technical Training & Product Support

ADVISORY PANEL

Miracle 1°C works with a distinguished panel of oncologists and medical specialists across India who provide clinical guidance and product feedback.





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