RE 1℃ MISSION

HYPERTHERMIA

High-frequency heater

AdipoLABs

Research & Development Medical Company

ADIPOLABS HEALTHCARE (M) SDN BHD

info@adipomalaysia.com

CEO Greeting

We hope to bring "Healthy Life", human's biggest desire with REMISSION 1°C the high-frequency hyperthermia equipment.

The pioneer of medicine, Hippocrates says"Heat can cure all diseases"in his aphorism.

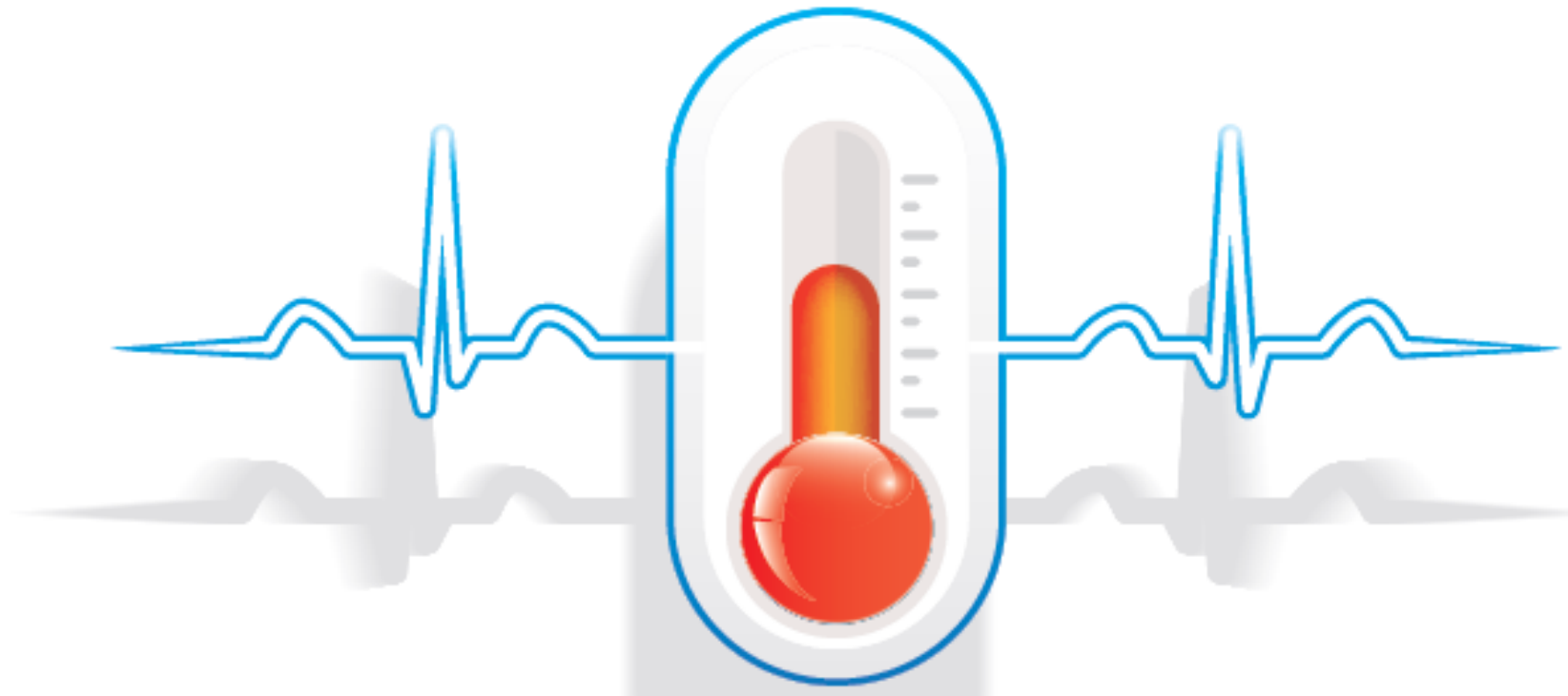
We are making our efforts to ease the pain of patients suffering from incurable diseases, opening a new field of "Hyperthermia treatment"through our continual R&D.

People must be healthy and happy free from the pain of diseases is our vision. We are working honestly and diligently to be the world best company to make our vision come true.

Guarding our life

The Miracle of 1°C (1.8°F)

REMISSION 1℃ gives



The human temperature is the most pure energy

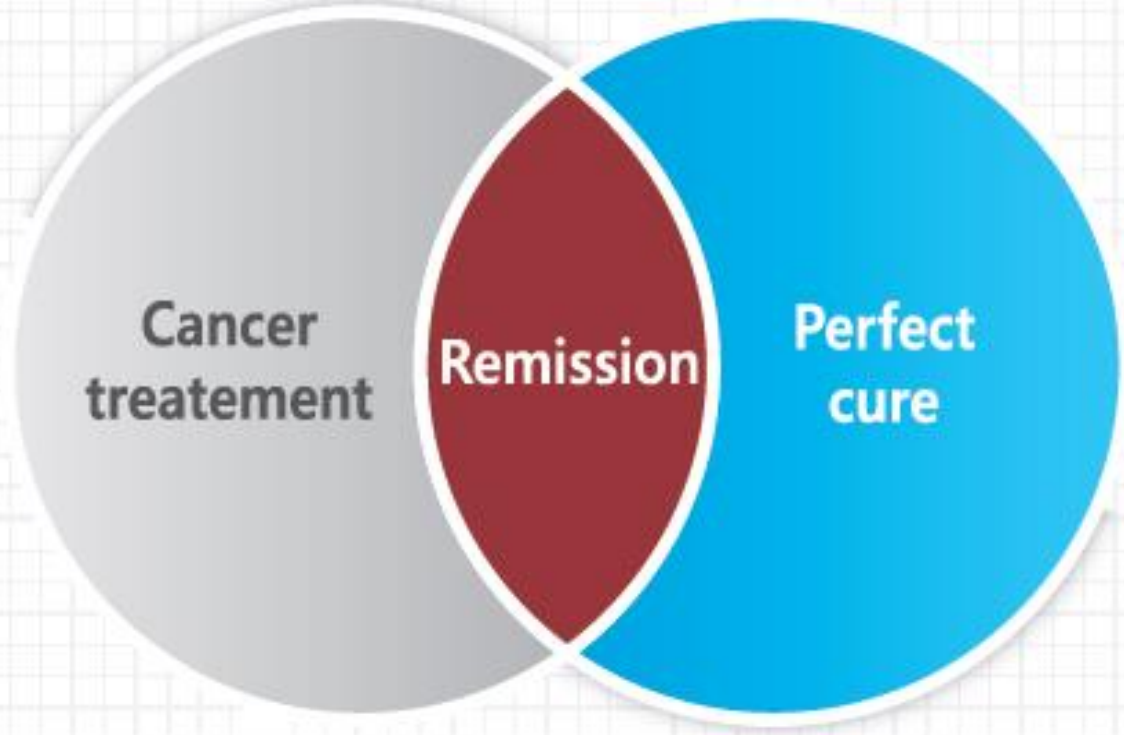
If the human temperature is decreased by 1°C,
12% of metabolism and 30% of immunity are decreased.
Once the body temperature is increased by 1°C,
our immunity is increased by 3~5 times.
Increasing of mere 1°C can prevent most of diseases.

The Miracle of 1°C, REMISSION1°C will be with you always.

Definitely!
We Wish To Save.

RE 1℃
MISSION

means complete cure



High frequency hyperthermia equipment

The Leader of HYPERTHERMIA

Our equipment can cure cancer by generating the strong deep heat by 0.46MHz frequency, increases the organ temperature deep inside our body.

Mechanism of medical high-frequency hyperthermia

take high-frequency to human body

induce vibration of water dipole ion

generate heat (frictional heat)

What is deep heat?

When the high frequency electric energy applied into the body and the direction of the current changes, the frictional heat is generated by the molecular movements such as their rotation, friction, twist, or collision. Unlike other electricity, the high frequency electricity which has no effect on sensory and motor nerves in the body has its advantages of heating up the specific parts of the body tissues without any discomfort or muscular contraction. Also the high frequency converted to heat energy has functions to increase the cellular functions and blood flow rate by the cellular temperature increase.

Generating heat in the organs by the molecular movements.

Necrosis of cancer cells by the deep heat over 42°C in the specific organs.

Body Heat → **Blood Flow Rate** → **Deep Heat**

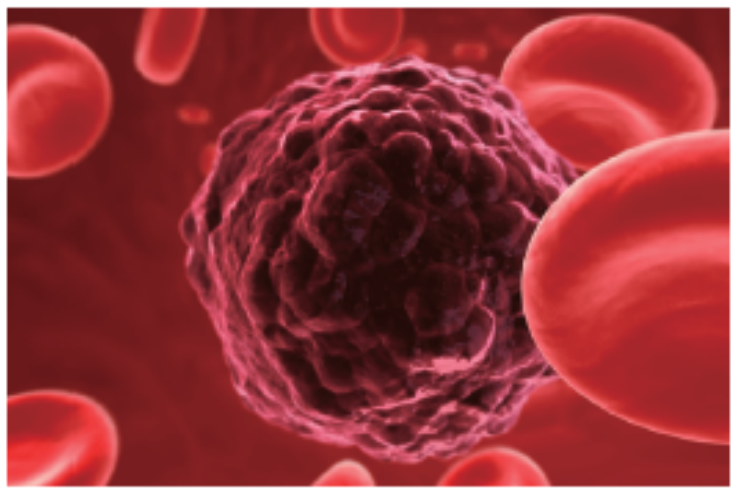
Increasing blood flow rate by the capillary vein expansion while the body temperature of specific parts increases over 40°C.

What is Hyperthermia by high-frequency?

Hyperthermia by high-frequency is the therapy that produces its own heat to raise body temperature by the way AC is energized to move cells around the body.
One of method to treat cancer with little pain and a stable increasing deep heat.

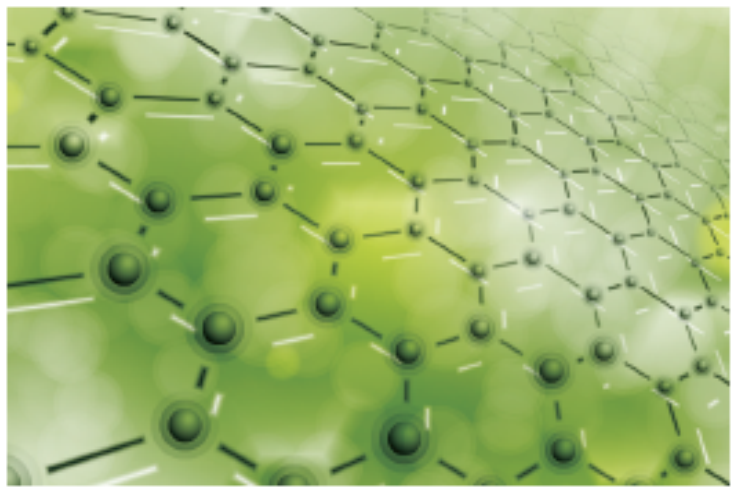
Hyperthermia of **REMISSION 1°C**

REMISSION 1°C is the first advanced cancer treatment equipment which take high-frequency into the body 460,000 times per second. By the molecular movements, it can generate heat to cancer and tumor cells, makes tumor cell itself killed, is new and efficient treatment.



Heat Treatment

REMISSION 1°C is applied to most cancer diseases, using the principle that tumor cell is vulnerable to high heat. At 42.5°C for 50 minutes, the normal cell disperses heat with the expansion of blood vessels. Rather, because the tumor cell cannot disperse heat, it is annihilated by the heat.



Immunity Treatment

When the body temperature is increased by 1°C, the immunity of human body is increased by 3~5 times. And enhanced immunity may increase the chance to kill the cancer cells, helping to prevent recurrence or metastasis of cancer.

Advantages of Hyperthermia

Enhanced treatment effect for metastasis of cancer or last-stage cancer patients	Enhancement of patients' quality of life	Safe treatment without side effects or complications	Cure to deep inside the body	Cure to various cancers	Outstanding safety
can be solely effective in the difficult case of running radiation or chemotherapy.	can reduce the amount of painkillers taken by the patients, vitalizing their immunity and metabolism and reducing their pain as well.	has no side effects or complications, such as vomit, nausea, lost appetite, indigestion, hair loss, and arms legs numbness.	enables to cure the tumor, delivering heat into the cancer cells located at deep inside the body.	can be applied to most cancer diseases.	guarantees the hazard free treatments such as erythema or burns, applying the temperature control system to the electrodes on the skin.

RE 1°C MISSION

For your "precious" body temperature,
REMISSION 1°C will make the world warmer.

Hyperthermia Medical Equipment

REMISSION 1°C

Combination treatment with REMISSION 1°C

Radiation therapy

making metabolism and blood circulation more vital increases the effect of the ionizing radiation therapy by increasing the sensitivity for radiation

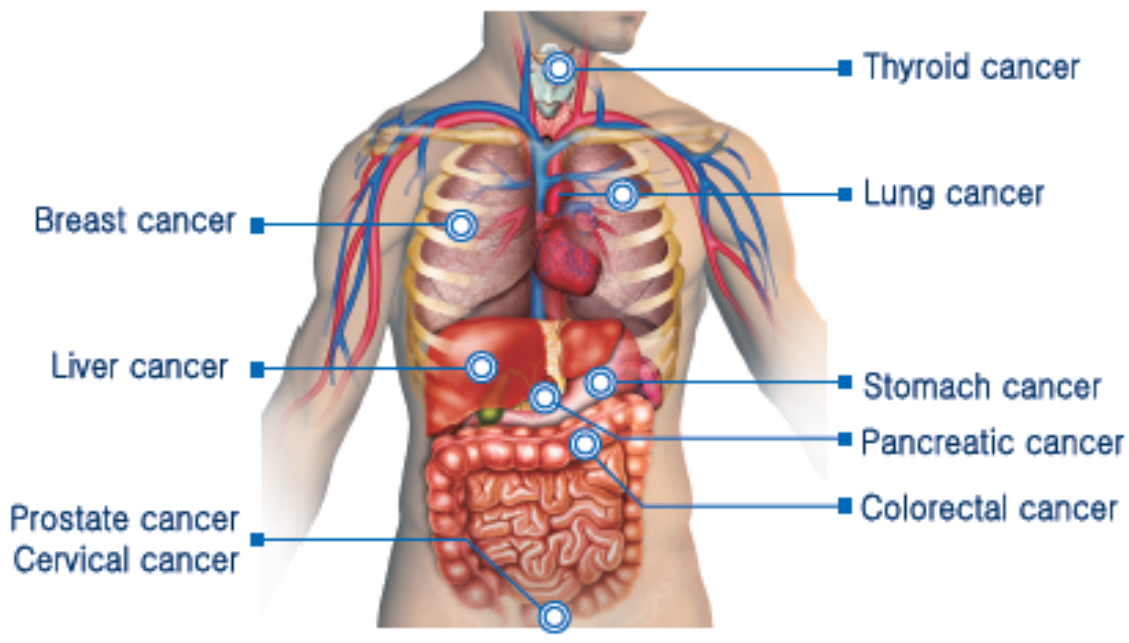
Chemotherapy

increasing the temperature of tumor cells improves the effect of chemotherapy and minimizes the risk of immune deficiency, helping to deliver anticancer agents to the space of tumor cells as a result of the volume increase of cell membrane

Pain alleviation

reducing the amount of painkillers taken by cancer patients and improving the quality of their life

Coverage of **REMISSION1°C**



REMISSION 1˚C is a medical high-frequency hyper-thermia equipment increasing deep heat with the duplex frequency transmission. It cures cancer cells and increases immunity by increasing the temperature of organs, such as liver, lung, olorectal, and other organs. REMISSION 1˚C is applicable for all cancer with the doctor's diagnosis

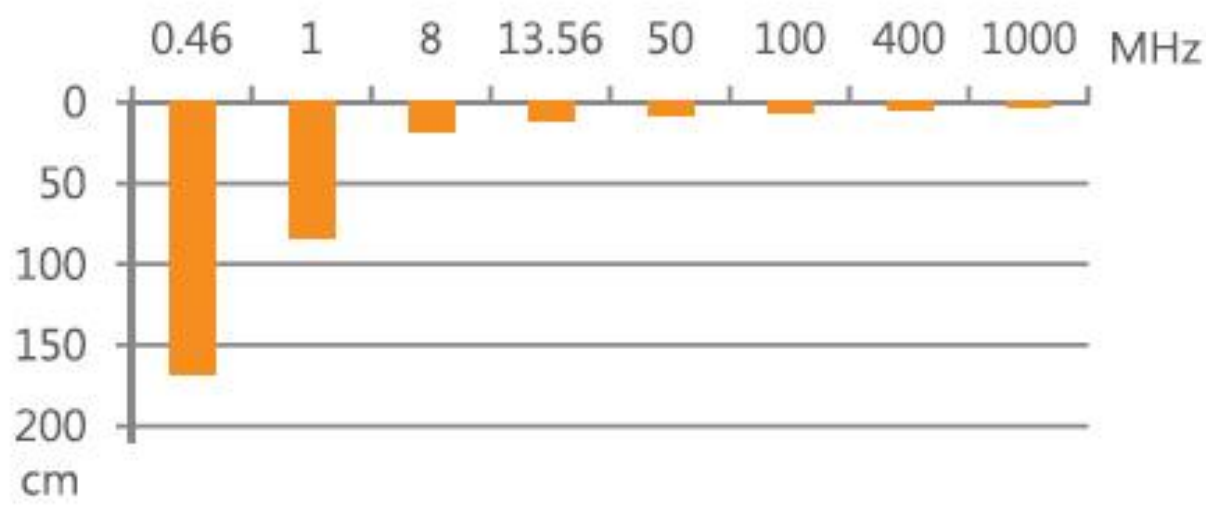
Patients applicable for **REMISSION 1°C**

- Patients before/after surgery
- Patients taking anticancer drug
- Patients taking radiation therapy
- Patients with severe pains
- Patients who haven't gotten better after chemotherapy
- Intractable patients with recurrence or metastasis

Distinction of REMISSION1℃

Thermal depth difference by frequency

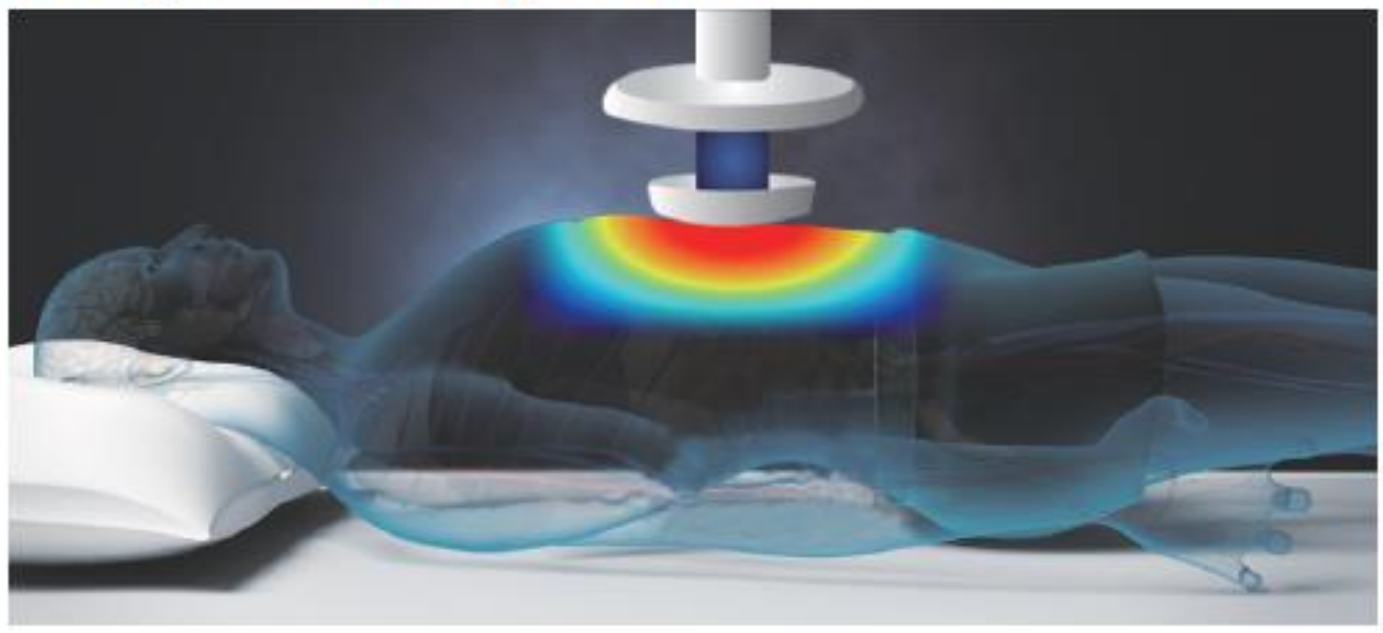
REMISSION1℃ Frequency 0.46MHz



The higher the frequency, the greater the decrease and the lower the penetration depth.

Differences in methods cause differences in effectiveness

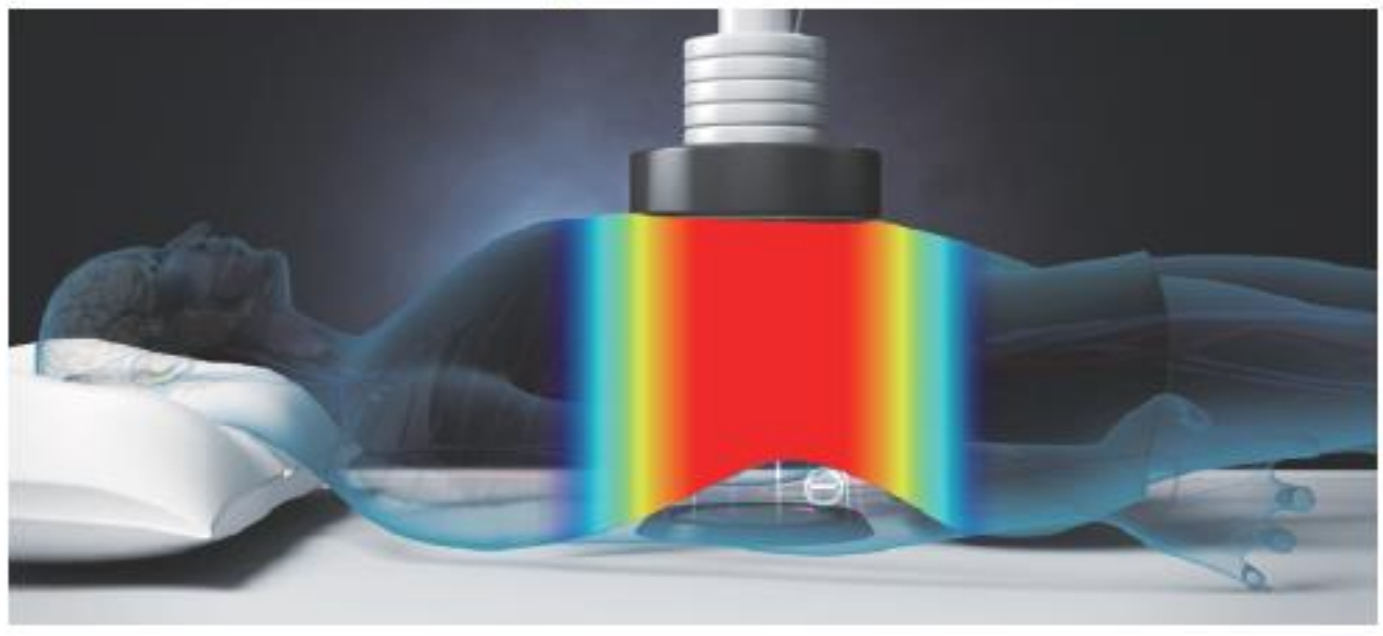
Existing thermal therapy of Others



Most conventional equipment is capacitive.

Since most capacitive methods only produce heat in the subcutaneous layer, deep heat is not enough.

Advanced thermal therapy of REMISSION1℃



REMISSION1℃ , the equipment is a resistive method to generate friction heat from the body.

Resistive methods produce heat evenly in the subcutaneous layer and in the deep areas.
So heat transfer is enough for the deep body.

REMISSION 1°C SYSTEM

various applicators

any part of the body available with six different sized applicators

temperature check function

checking real time temperature trend for patients

optional time selection system

treatment time may be manually modified based on the patient's condition

applicators crane

comport positioning on the treatment area with 4 joints control

output control system

be manually controlled based on the patient's condition and diagnosis

mobility

is easily movable and requires only small space

medical electronic auto bed

adjust the height and back angles with the remote control

patient emergency button

patient can stop alone in bed during the operation, just one button

In 2015 we have proved generating deep heat

REMISSION 1℃ Animal Clinical Experiment about Deep Heat

- **Date** May 30, 2015
- **Place** Animal Research Center of Korea University Medicine College 1F, Seoul.
- **Subject** 3 Yorkshire pigs sterilized
- **Equipment** REMISSION 1℃

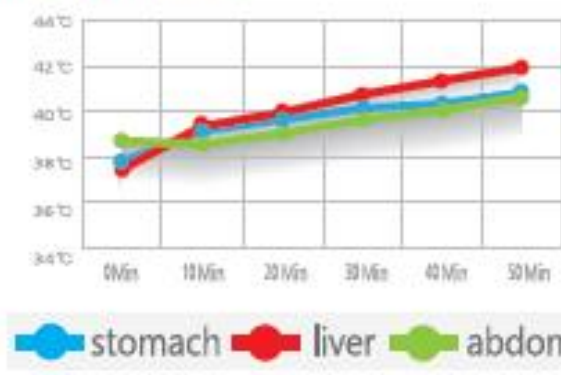
Exposing animals to electricity fields with high frequency has direct correlation with increase of body temperature.
Whether high frequency machinery(REMISSION1℃) functions in increasing body temperature and maintains that temperature was tested by measuring the accurate changes in the temperature increase(42℃ and higher) through sterilized pig experiment.

01 Measuring blood flow of anesthetized pigs

02 Insert thermometer in stomach, liver, abdomen

03 Measuring average temperature of each organs

Average increasing temperature of organs for 50 minutes

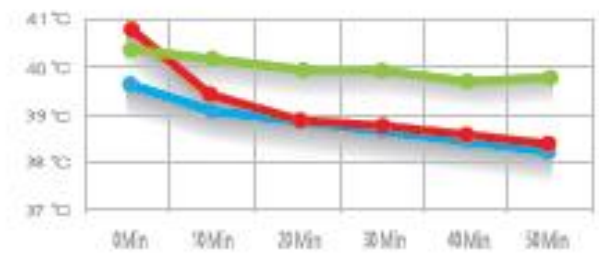


04 Starting REMISSION 1℃ for 50 minutes

05 Proving increasing deep heat over 42℃

06 Measuring residual heat for 50 minutes

Average residual temperature of organs for 50 minutes



The paper of animal clinical experiment about deep heat

This is an animal experiment that we have generated deep heat about 42 ℃ in organs(stomach, liver, abdomen).

In 2016 we have announced cases of patient improvement

A Case Report Recurred Liver Cancer Patients Treated with REMISSION 1℃

- **Date** Aug 23 2016 ~ Nov 17 2016(20 times)
- **Place** East West Cancer Center of Dunsan Oriental Medicine Hospital, Daejeon University
- **Subject** recurrence of liver cancer (Age 51, male, Mr. Lim)
- **Equipment** REMISSION 1℃

High-frequency hyperthermia improves the treatment effect through immuno-therapy, and it also helps improve the life quality of patients.

CT scan certifying tumor size change

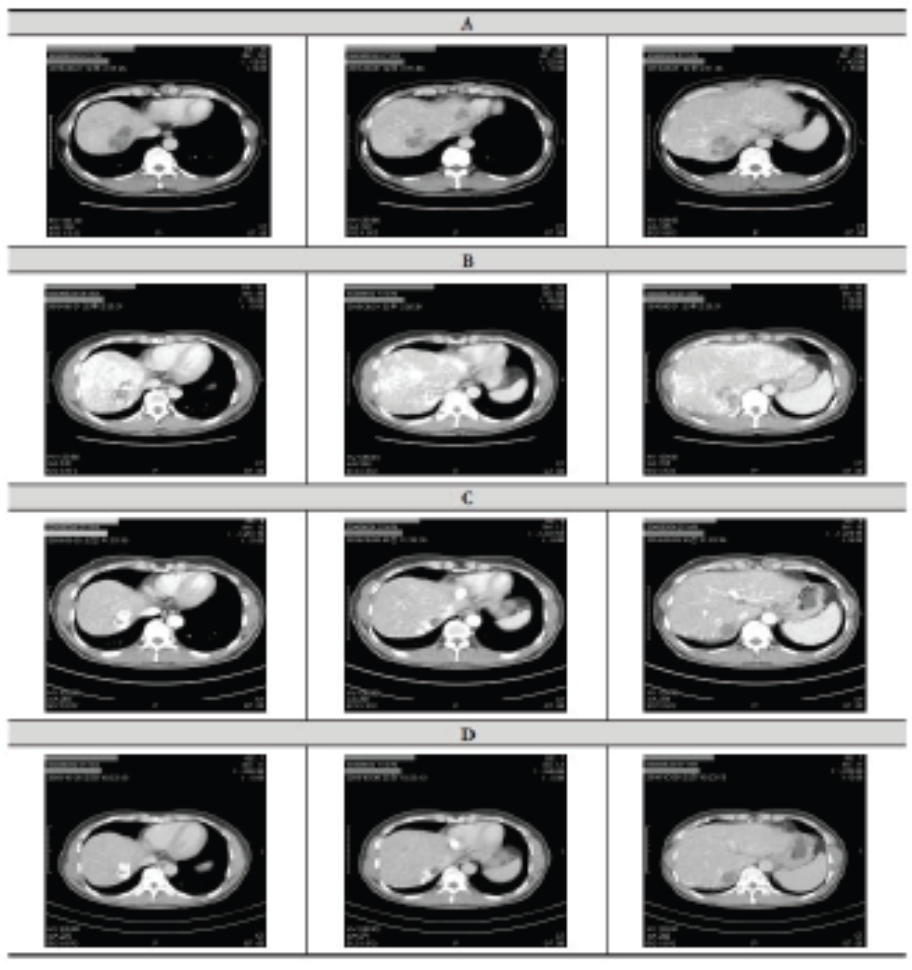
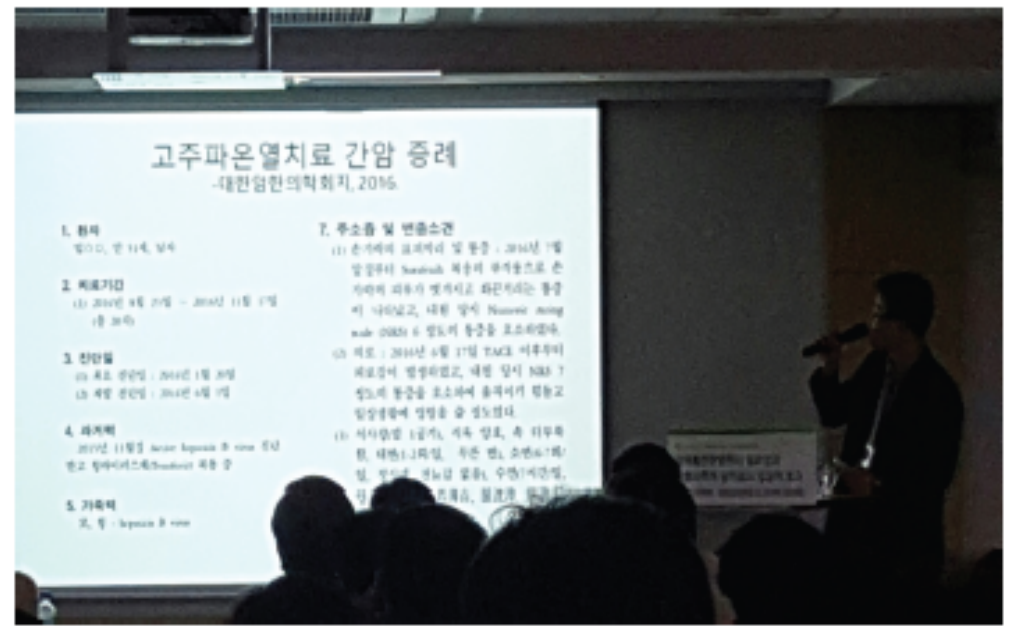


Fig 1. Comparison of Abdomen Computed Tomography

A: Recurred Hepatocellular Carcinoma. The tumor sizes were 5.5x6 cm (S5, 3) and 1x1.2 cm (S6) respectively (2016/06/03).
B: After Transarterial Chemoembolization (2016/06/21).
C: After Radio-Frequency Hyperthermia treatment 6th times. The tumor sizes were 3.7x4.0 cm (S5, 8) and 2x2.5 cm (S4) respectively (2016/09/05).
D: After Radio-Frequency Hyperthermia treatment 11th times. The tumors showed no interval changes (2016/10/20).

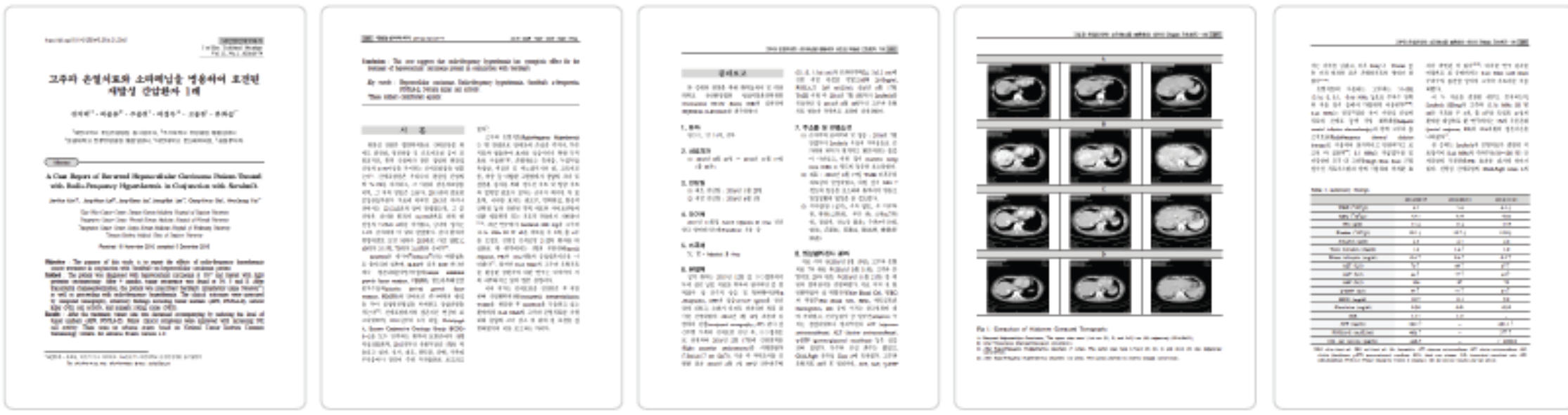


▼ After 3 months, NKcell activity changed

NK Cell Activity (pg/ml)	2016.08.19	→	2016.11.21
	468.9		> 2000.0

*Nkcell(Natural Killer Cell) is one of anti-cancer immune cell that attacks cancer cell.

A Case Report Recurred Hepatocellular Carcinoma

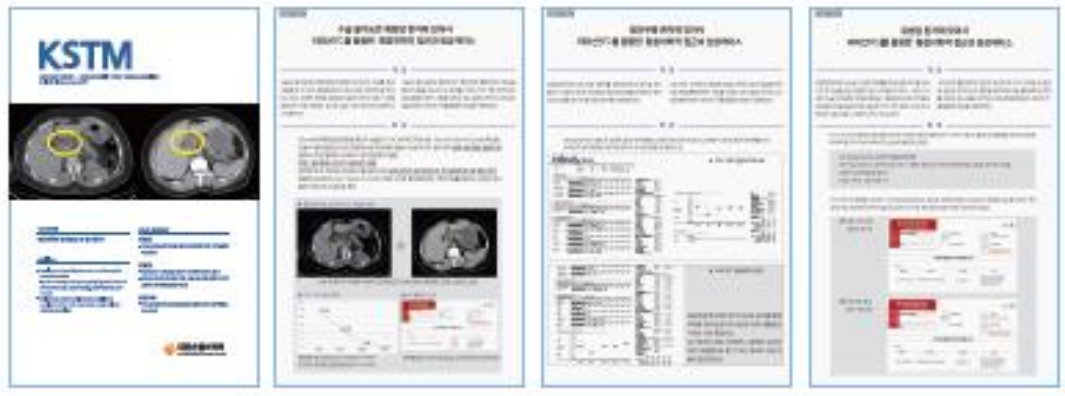


고주파 온열시료와 소파메닌을 병용하여 호전된 재발성 간암환자 1례

This is a paper that proved increasing of immunity and the improvement the patient by treating with REMISSION1℃ concurrently.

KSTM
KOREAN SOCIETY FOR THERMAL MEDICINE

Paper report using REMISSION1℃

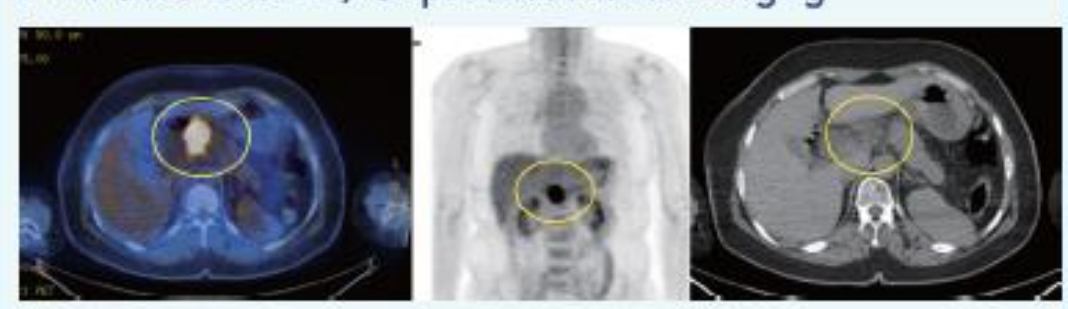


CASE 1 Inoperable Pancreatic Cancer stage 3 (60 year, female)

- Vascular invasion by cancer
- Leukopenia after chemotherapy,
- Treatment is discontinued due to impaired immune function → Inoperable

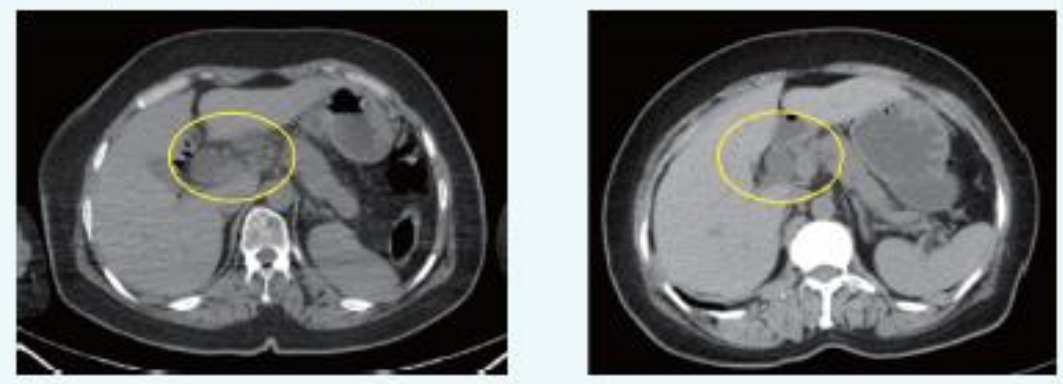
- After hyperthermia treatment (REMISSION1℃)
  Tumor size 3.5cm → 0.6cm X 0.5cm X 0.2cm reduced
- Confirmed pathologically the cancer was removed

▶ Pre-treatment PET / CT pancreatic cancer imaging



△ Before the treatment, inoperable.
PET/CT revealed a mass and surrounding vessels were invaded.

▶ Pre-post-treatment CT, pancreatic cancer



△ After the treatment, most of the mass was disappear and the blood vessels invaded was cleared.

CASE 2 Inoperable Breast Cancer (53 year, female)

2.8cm breast cancer.
be admitted for leukopenia in preparing chemotheraphy.

- Dx : Breast Ca, Lt, 2017.7.19. IDC, M/D, Impulse(+)
- Ki-67 : 50%, ER/PR/C-erbB 2 : +/+/+++
- Neutropenia at the time of anticancer(+)
- Tumor size : 2.8cm, Diffuse Clustered Ring Clumped
- Nonmass : 6.4 x 8.6x7.3cm

▶

Lymphatic biopsy, not surgery, determines complete removal

- Ki-67 : 50% → 3.87% , · HER-2 : +++ → +
- Involvement of blood vessels and lymph vessels(-)
- After surgery, biops results : breast cancer(-), lymphoid malignancies(-)

Tumor size **2.8cm** → Tumor size **0cm** complete removal after thermal treatment

CASE 3 Breast Cancer with side effects of chemotheraphy (50 year, female)

· Dx : Breast Ca, Rt, AMC · Mass : 4 cm, LN transition (+)

The size of 4cm breast cancer was reduced to 2cm and after the treatment, the NK activity exceeded 400times, and it became more than 2,000 units that could not be measured due to high immunity with the nationally approved measuring equipment.

▶ Before treatment(2017. 08. 31) NKcell activity : 4.5

▶ After 3weeks(2017. 09. 25) NKcell activity : over 2,000

REMISSION1℃ Treatment Program

Program Cycle

- Time : 60~90 minutes / session
- Number of Time : 2~5 Times / week (according to Program)

* Time and number may various on the patient's condition
* Combination Treatment is useful with other cancer treatments (surgery, radiation therapy, chemotherapy)

Determine the treatment schedule based on the results of the screening ▶ Consult with a doctor about treatment part, time, etc. ▶ Select the applicator to fit the diseased spot ▶ High-frequency thermal therapy using deep heat ▶ Follow-up planning according to patient's condition

Permission and Authentication


의료기기제조업 허가증


의료기기 제조허가증(RAH-HC)


의료기기 제조 허가증 AT


의료기기 제조 허가증 TT


의료기기 제조 허가증_RAH-PR


기술혁신형 중소기업 확인서


기업부설연구소


의료기기 제조 및 품질관리기준 적합인정서(GMP)1005


전자파적합 시험성적서 15ST0416_RAH-HC


제15-03-009호 시험성적서(KIMT)


특허증_고주파 치료장치


특허증_고주파 치료 장치 및 그 제어방법


특허증_고주파 지방흡입장치


실용신안등록증_비뇨기 계통용 고주파 치료장치


실용신안등록증_두피관리용 고주파 전극유닛

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HYPERTHERMIA

We give you a Miracle of 1°C

ADIPOLABS HEALTHCARE (M) SDN BHD

(1295320-A)

Tel+6 03 83143 202
Fax+6 03 83143 388
Email info@adipolabs-msia.com
Web www.adipolabs.com

Level 3 & 4 WismaSuria, JalanTeknokrat 6,
Cyber 5, 63000 Cyberjaya. Selangor. Malaysia.

Medical Device AUTHORITY MALAYSIA

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GMP

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