

**Bringing
hope
to
those
with
advanced
unresponsive
cancer
with
HEATT**

DELIVERING INNOVATIVE TREATMENT The Science Behind HEATT®



Heating the Body

Our perfusion circuit is a heart/lung machine with a recirculating dialysate system, charcoal filtration, and pCO₂/pH control using FDA-approved components to heat the body.



Temperature Regulation

Using our circuit, we use veno-venous perfusion to heat and tightly control blood temperature throughout the patient's body.



HEATT Circuit Flow

The HEATT® circuit circulates blood at 20% cardiac output (about one liter per minute) while heating the blood (approximately 50 minutes) to reach then maintain the target temperature of 42°C (107.6°F) for two hours.



Optimal Temperature

Throughout the procedure, HEATT is used to maintain the core body temperature at 42°C, which is the optimal temperature for destroying cancerous cells.

WHO CAN BENEFIT FROM HEATT®?

To qualify for HEATT, a patient should have advanced cancer that is unresponsive to conventional treatments. Individuals who have experienced a stroke or heart attack in the past 6 months may not qualify. Other contraindications include major organ dysfunction, an active infection, spontaneous bleeding, or recent high-dosage chemotherapy that may compromise HEATT. Often, patients who are hospice-eligible qualify. Some patients may also choose to avoid conventional therapies. Contact Verthermia today to discuss your HEATT qualifications.



ALL HEAT. NO CHEMICALS.

Verthermia® provides Hyperthermic Extracorporeal Applied Tumor Therapy (HEATT®) to patients with advanced tumors that are unresponsive to traditional cancer treatments. Our whole-body hyperthermia therapy (WBHT) is an innovative and alternative cancer treatment that works to destroy thermosensitive cancer cells and slow cancerous growth by heating the entire body through circulating heated blood. HEATT can be effective as part of an integrated oncology treatment plan.

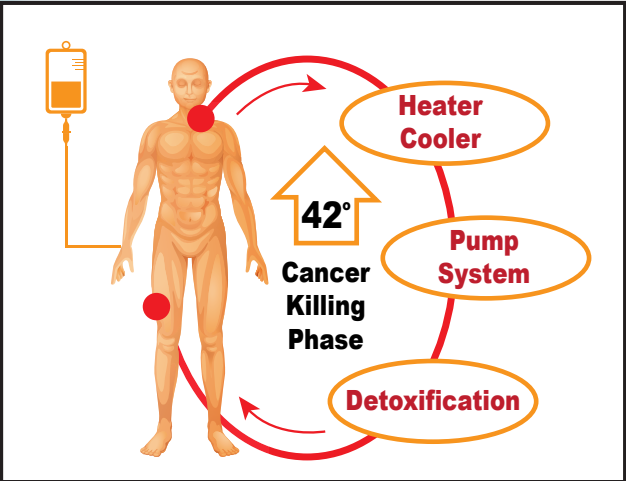
HEATT Treatment Process

Partnering with ThermaSolutions, at Verthermia, we work with local physicians to provide the best care possible with every patient's safety and comfort in mind.

We understand how difficult this process can be for some people, and our team is dedicated to being supportive and informative every step of the way.

					
Administration of Anesthesia	Blood is Heated	Distribution of Heat	Patient Body is Heated	Detoxification of Blood	Cancer Cell Suppression
The patient is put under general anesthesia to avoid discomfort throughout the procedure.	The blood is withdrawn then heated by a proprietary patented therapy (HEATT) using FDA-approved devices in an external circuit. The heated blood is then returned within a large vein to the right heart.	The right heart pumps the blood to the lungs, which act like a radiator to evenly distribute the heat then return blood to the left heart.	The left heart pumps the heated blood to the whole body including insulated and isolated areas (i.e. brain, bone marrow, mediastinum).	Using dialysis to restore and balance the body's natural chemistry, the blood is then detoxified by a filter.	HEATT potentially kills or suppresses cancer cells in all parts of the body by heating the body to 42° C (or 107.6 Fahrenheit) for 120 minutes.

"The treatment went great and I was able to go home and be with my family again. Since then, HEATT has kept my cancer stable and kept me off chemo for the past 7 months. So far, I feel wonderful."



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