

Mayo Clinic Medical Edge

Emergency Hypothermia

1:00

Log

Audio

<p>Intro with music</p>	<p>GIVING YOU THE EDGE ON HEALTHY LIVING, HERE'S MAYO CLINIC'S MEDICAL EDGE.</p>
	<p>HYPOTHERMIA IS A CONDITION WHERE THE BODY'S CORE TEMPERATURE DROPS SIGNIFICANTLY. ENOUGH OF A DROP CAN BE LIFE THREATENING. BUT DOCTORS AT MAYO CLINIC ARE TURNING THIS POTENTIAL KILLER INTO A LIFE SAVER.</p>
<p>Tyler Vadeboncoeur, M.D. Mayo Clinic</p>	<p>"A CARDIAC ARREST IS WHEN THE HEART STOPS."</p>
<p>[VAD-EH-BAHN'-CORE]</p>	<p>IF, AFTER CPR, PATIENTS MAKE IT TO THE HOSPITAL WITH A PULSE, THEY HAVE A 30 PERCENT CHANCE OF SURVIVAL. BUT DR. TYLER VADEBONCOEUR SAYS THOSE CHANCES ARE MUCH</p>

	BETTER IF PATIENTS ARE PUT INTO AN INDUCED STATE OF HYPOTHERMIA.
Dr. Vadeboncoeur	“WE CAN INCREASE THAT SURVIVAL RATE TO 50 PERCENT.”
	THERE ARE A FEW MAJOR THEORIES AS TO HOW HYPOTHERMIA BENEFITS CARDIAC ARREST PATIENTS. ONE IS THAT HYPOTHERMIA DECREASES INFLAMMATION IN THE BRAIN. ANOTHER IS THAT HYPOTHERMIA SLOWS YOUR METABOLISM SO THE BODY DOESN'T NEED AS MUCH OXYGEN-RICH BLOOD FLOWING TO THE BRAIN.
	WHATEVER THE MECHANISM, COOLING CARDIAC ARREST PATIENTS DOWN IS HELPING KEEP THEM ALIVE. FOR MEDICAL EDGE, I'M VIVIEN WILLIAMS.