

# INFLUENCE

SAUNA

## REFERENCES

### Hormesis

Mattson M. P. (2008). Hormesis defined. *Ageing research reviews*, 7(1), 1–7.  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2248601>

### The Science of Saunas

Sauna Use and Building Resistance to Stress with Dr. Rhonda Patrick <https://www.foundmyfitness.com/episodes/biohacker-summit-2016>

### Weight Loss

Dean W. (1981). Effect of Sweating. *JAMA*. 1981;246(6):623. <https://jamanetwork.com/journals/jama/article-abstract/360118>

McLeod K. <https://infraredsauna.com/weightlossstudy.pdf>

### Immunity

Yoshimizu N. (2009). The Fourth Treatment for Medical Refugees: Thermotherapy in the New Century.

### Detoxification

Rogers, M. (2001). Detoxify or Die.

Genuis, S.J., et al. (2016). Human elimination of organochlorine pesticides: blood, urine, and sweat study. *BioMed Res Int*. <https://www.hindawi.com/journals/bmri/2016/1624643>

Genuis, S.J., et al. (2011). Blood, urine, and sweat (BUS) study: monitoring and elimination of bioaccumulated toxic elements. *Arch Environ Contam Toxicol*. 2011; 61: 344–357 <https://www.ncbi.nlm.nih.gov/pubmed/21057782>

Genuis, S. J., et al. (2012). Human excretion of bisphenol A: blood, urine, and sweat (BUS) study. *Journal of environmental and public health*, 2012, 185731. <https://www.hindawi.com/journals/jep/2012/185731>

Rea, W.J. (2018). A large case-series of successful treatment of patients exposed to mold and mycotoxin. *Clin Ther*. 2018; 40: 889–893. <https://www.ncbi.nlm.nih.gov/pubmed/29861191>

### Cancer

van der Zee J. (2002). Heating the patient: a promising approach? *Annals of Oncology* 2002; 13(8):1173–1184 <https://www.ncbi.nlm.nih.gov/pubmed/12181239>

Tatsuo, I. et al. (2009). Non-thermal Effects of Far-Infrared Ray(FIR) on Human Hepatocellular Carcinoma Cells HepG2 and their Tumors. *Journal of Cancer Science & Therapy*. 01. 10.4172/1948-5956.1000012. <https://www.omicsonline.org/nonthermal-effects-of-farinfrared-rayfir-on-human-hepatocellular-carcinoma-cells-hepg-and-their-tumors-1948-5956.1000012.php>

### Cardiovascular Health

Dean W. (1981). Effect of Sweating. *JAMA*. 1981;246(6):623. <https://jamanetwork.com/journals/jama/article-abstract/360118>

# INFLUENCE



Laukkanen, T., et al. (2015). Association Between Sauna Bathing and Fatal Cardiovascular and All-Cause Mortality Events. *JAMA Internal Medicine* 175, no. 4 (April 2015): 542. <https://www.ncbi.nlm.nih.gov/pubmed/25705824>

Masakazu I., et al. (2001). Repeated thermal therapy improves impaired vascular endothelial function in patients with coronary risk factors. *J Am Coll Cardiol*. 2001 Oct, 38 (4) 1083-1088. <https://www.ncbi.nlm.nih.gov/pubmed/11583886>

Zaccardi, F., et al. Sauna Bathing and Incident Hypertension: A Prospective Cohort Study. *American Journal of Hypertension* 30, no. 11 (June 2017): 1120–25. <https://www.ncbi.nlm.nih.gov/pubmed/28633297>

Ketelhut, S., et al. (2019). The blood pressure and heart rate during sauna bath correspond to cardiac responses during submaximal dynamic exercise. *Complementary Therapies in Medicine*. 44. 218-222. <https://www.ncbi.nlm.nih.gov/pubmed/31126559>

Tei, C., et al. (2016). Waon Therapy for Managing Chronic Heart Failure Results From a Multicenter Prospective Randomized WAON-CHF Study *Circulation Journal* 80, no. 4 (2016): 827–34. <https://www.ncbi.nlm.nih.gov/pubmed/27001189>

Setor K. K., et al. (2018). Sauna bathing reduces the risk of stroke in Finnish men and women. *Neurology*. May 2018, 90 (22) e1937-e1944; <https://n.neurology.org/content/90/22/e1937>

## **Inflammation & Pain**

Internal Medicine (Tokyo) Aug 15, 2008 by Matsushita K, Masuda A, Tei C. The First Department of Internal Medicine, Kagoshima University Hospital, Kagoshima, Japan.

Lidija K., et al. (2003). Immunomodulatory Effects of Low-Intensity Near-Infrared Laser Irradiation on Contact Hypersensitivity Reaction. *Photodermatol Photoimmunol Photomed* 2003; 19: pp 203–212, Blackwell Munksgaard.

Laukkanen, J.A. et al. (2018). Sauna bathing and systemic inflammation. *Eur J Epidemiol* (2018) 33: 351. <https://www.ncbi.nlm.nih.gov/pubmed/29209938>

Matsumoto, S. et al. (2011). Effects of thermal therapy combining sauna therapy and underwater exercise in patients with fibromyalgia. *Complementary therapies in clinical practice*. 17. 162-6. <https://www.ncbi.nlm.nih.gov/pubmed/21742283>

## **Longevity**

Laukkanen, T., et al. (2015). Association Between Sauna Bathing and Fatal Cardiovascular and All-Cause Mortality Events. *JAMA Internal Medicine* 175, no. 4 (April 2015): 542. <https://www.ncbi.nlm.nih.gov/pubmed/25705824>

## **Dementia & Memory Loss**

Tanjaniina L., et al. (2017). Sauna bathing is inversely associated with dementia and Alzheimer's disease in middle-aged Finnish men, *Age and Ageing*, Volume 46, Issue 2, March 2017, Pages 245–249. <https://academic.oup.com/ageing/article/46/2/245/2654230>

## **Diabetes**

Imamura, M., et al. (2001). Repeated thermal therapy improves impaired vascular endothelial function in patients with coronary risk factors. *Journal of the American College of Cardiology* 38, no. 4 (October 2001): 1083–88. <https://www.ncbi.nlm.nih.gov/pubmed/11583886>

# INFLUENCE



Kokura, S.i, et al. (2007). Whole body hyperthermia improves obesity-induced insulin resistance in diabetic mice International Journal of Hyperthermia 23, no. 3 (January 2007): 259–65.

Beever, R. The effects of repeated thermal therapy on quality of life in patients with type II diabetes mellitus. The Journal of Alternative and Complementary Medicine. Jun 2010. <https://www.ncbi.nlm.nih.gov/pubmed/20569036>

## Physical Fitness

Scoon, Guy S.M., et al. Effect of post-exercise sauna bathing on the endurance performance of competitive male runners. Journal of Science and Medicine in Sport 10, no. 4 (August 2007): 259–62. <https://www.ncbi.nlm.nih.gov/pubmed/16877041>

## Beauty

B.A. Russell, et al. (2005). Study to Determine the Efficacy of Combination LED Light Therapy (633nm and 830 nm) in Facial Skin Rejuvenation. Journal of Cosmetic and Laser Therapy, 2005; 7: pp 196-200. <https://www.ncbi.nlm.nih.gov/pubmed/16414908>

Lee, J. H., et al. (2006). Effects of infrared radiation on skin photo-aging and pigmentation. Yonsei medical journal, 47(4), 485–490. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2687728>

	Influence Sauna	Sunlighten	Clearlight/ Jacuzzi	Health Mate
FIR Source & Range	Spectrum Plus Incoloy + Spectrum Carbon; 7-14 micron / 9.4 micron max	Carbon 7-14 Micron; long wave far infrared only	Carbon Heater	Ceramic Rod
Combination Therapy	YES Incoloy (ceramic) + Carbon 360°	NO	NO	NO
MIR Source	Spectrum Plus incoloy; 1.4-7 micron	Polyimide film, not proven to be effective	Dangerous quartz heaters. Food heat lamps	Ceramic Rod 1.4-7 micron
NIR Source	Cold light LED therapy 660nm. High wattage.	LED lights built into heaters Possible high failure rate	Dangerous quartz heaters. Food heat lamps	Cold Light LED therapy
Full Spectrum	All models	Only in more expensive Mpulse models	Upgrade charge. \$600 per heater	Only Enrich Models
Max Temperature	170°	140°	145°	170°
Radiation	Full sauna protection EMF   ELF   EMI   RF	Low EMF carbon heaters. High ELF wiring, Wifi antenna in sauna	Low EMF carbon heaters. High EMF Quartz heaters	Low EMF
Upgraded Wiring (to lower ELF)	14awg twisted with proprietary grounding to lower ELF	NO	NO	NO
Manufacturing	45 Year old sauna factory	Furniture factory	Sauna factory	Sauna factory
*Certified by The Infrared Sauna Foundation	YES	NO	NO	NO
Antimicrobial Cedar	YES	YES, More Money	YES, More Money	YES

\*Infrared Sauna Foundation is a non-profit organization specializing in consumer protection and awareness surrounding the dangers of purchasing an infrared sauna from the wrong manufacture, re-seller or affiliate.