

Infrared Workouts: Six Things Clinicians Should Know

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The fitness industry continually introduces new modalities, often with claims of enhanced benefits. Infrared workouts, which involve exercising in a room heated by infrared lamps, are among the latest trends. Understanding the underlying mechanisms and purported advantages is essential for clinicians advising patients on exercise regimens.

KEY TAKEAWAYS

- **The Pivot:** Infrared heat aims to amplify the physiological effects of exercise, particularly sweating and cardiovascular strain.
- **The Data:** While infrared exposure can increase core body temperature and heart rate, direct evidence of superior fitness outcomes compared to conventional heat or exercise alone is limited.
- **The Action:** Advise patients that infrared workouts are a form of heat therapy combined with exercise, and caution against overexertion or dehydration, especially for those with cardiovascular conditions.

Infrared workouts involve physical activity performed in an environment where the air is heated by infrared light. Unlike traditional saunas or hot yoga studios that heat the air directly, infrared heaters emit radiant heat that penetrates the body more directly, raising core body temperature. This method is often promoted for its ability to induce a deeper sweat at lower ambient temperatures compared to conventional heating systems.

Proponents of infrared workouts suggest a range of benefits, from improved cardiovascular health to enhanced detoxification and muscle recovery. The physiological response to heat, regardless of its source, includes increased heart rate, vasodilation, and sweating. These responses are well-established mechanisms for thermoregulation and can contribute to cardiovascular conditioning when sustained during exercise. For example, regular physical activity, even without infrared, is a cornerstone of preventive health services, as discussed in our coverage of four lifestyle factors that add a year to life expectancy.

Understanding the Heat Mechanism

The primary mechanism of infrared workouts centers on hyperthermia, the elevation of core body temperature. Infrared radiation directly heats the body's tissues, prompting a thermoregulatory response. This response includes increased blood flow to the skin, a higher heart rate, and profuse sweating. These physiological changes mimic those experienced during intense aerobic exercise, even if the physical exertion itself is moderate.

The increased heart rate and vasodilation can place additional strain on the cardiovascular system. For healthy individuals, this might contribute to cardiovascular conditioning. But, for patients with pre-existing cardiac conditions, hypertension,

or those on certain medications, this added strain warrants caution. Monitoring blood pressure, perhaps with a Omron M3 Comfort Blood Pressure Monitor, before and after such sessions could be prudent.

Purported Benefits and Clinical Relevance

One of the most frequently cited benefits of infrared workouts is enhanced detoxification through sweating. While sweating does eliminate some waste products, the kidneys and liver are the body's primary detoxification organs. The extent to which infrared-induced sweating contributes significantly beyond normal physiological processes remains largely unquantified in a clinical context.

Another claim involves improved muscle recovery and reduced soreness. Heat therapy, in general, can increase blood circulation to muscles, potentially aiding in the removal of metabolic byproducts and delivering oxygen and nutrients. This mechanism is not unique to infrared heat, but the direct penetration of infrared radiation is posited to enhance this effect. Still, the evidence specifically supporting infrared's superiority over other forms of heat or active recovery for muscle soreness is not robust.

Considerations for Patient Safety

Dehydration is a significant risk with any activity that induces profuse sweating, and infrared workouts are no exception. Patients should be advised to maintain adequate hydration before, during, and after sessions. Electrolyte imbalances can also occur, particularly with prolonged or frequent exposure. Clinicians should inquire about hydration practices when patients report symptoms such as dizziness or fatigue after these workouts.

Patients with certain medical conditions, including cardiovascular disease, uncontrolled hypertension, or those prone to heatstroke, should approach infrared workouts with extreme caution or avoid them altogether. Pregnancy, fever, and certain skin conditions are also contraindications. The elevated core body temperature can exacerbate existing conditions or induce adverse events. This is particularly relevant given the increasing focus on lower drinking limits for health, as alcohol consumption can further impair thermoregulation.

The Role of a Fitness Expert

A fitness expert's perspective on infrared workouts often highlights the subjective experience of deep relaxation and increased flexibility. The warmth can make muscles more pliable, potentially improving range of motion during exercise. This can be beneficial for individuals looking to enhance their flexibility or warm up muscles more effectively before strenuous activity. But, these benefits are largely anecdotal and vary widely among individuals.

The expert might also emphasize the mental health benefits, such as stress reduction and improved mood, which are common outcomes of many forms of exercise and heat exposure. The combination of physical activity and a warm, calming environment can certainly contribute to psychological well-being. But, attributing these effects solely to the infrared component, rather than the exercise itself or the general heat, requires more specific investigation.

What the Evidence Lacks

The primary limitation of current knowledge regarding infrared workouts is the scarcity of high-quality, controlled clinical trials comparing their efficacy directly against conventional exercise or heat therapy. Much of the enthusiasm stems from anecdotal reports and extrapolations from general heat therapy research. Specific data on long-term health outcomes, such as sustained weight loss, significant cardiovascular risk reduction, or superior athletic performance, are not widely available.

Without robust comparative data, it is difficult to definitively state that infrared workouts offer benefits beyond what can be achieved through traditional exercise and sauna use. Clinicians should advise patients that while these workouts may be an enjoyable way to exercise and experience heat therapy, they should not be viewed as a substitute for evidence-based exercise prescriptions or medical treatments for specific conditions. The Oxford Handbook of Clinical Medicine remains a reliable resource for established clinical guidance.

CLINICAL IMPLICATIONS

GPs and specialists will inevitably encounter patients asking about infrared workouts. The key is to manage expectations and emphasize safety. While the physiological responses to heat are real, the specific advantages of infrared over other forms of heat or exercise are not yet clearly delineated by rigorous clinical evidence. Patients should understand that this is an adjunct, not a panacea.

For patients with cardiovascular risk factors, the increased cardiac strain from heat exposure warrants a cautious approach. A thorough medical history is paramount before endorsing such activities. Advise them to start slowly, stay hydrated, and be vigilant for symptoms of overheating or dehydration. The perceived benefits of 'detoxification' should also be contextualized within the normal functioning of the liver and kidneys.

The fitness industry's enthusiasm for novel modalities often outpaces the scientific validation. Clinicians should remain grounded in evidence-based recommendations for exercise and heat therapy. If a patient enjoys infrared workouts and has no contraindications, there is likely no harm, but they should not be presented as a superior alternative to established exercise regimens.

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REFERENCES

1. Ferguson T, Olds T, Curtis R, et al. Effectiveness of wearable activity trackers to increase physical activity and improve health: a systematic review of systematic reviews and meta-analyses. *Lancet Digit Health*. 2022;4(8):e615-e626. doi:10.1016/S2589-7500(22)00111-X
2. Kljajevi V, Stankovi M, or evi D, et al. Physical Activity and Physical Fitness among University Students-A Systematic Review. *Int J Environ Res Public Health*. 2021;19(1). doi:10.3390/ijerph19010158
3. Lavie CJ, Ozemek C, Carbone S, Katzmarzyk PT, Blair SN. Sedentary Behavior, Exercise, and Cardiovascular Health. *Circ Res*. 2019;124(5):799-815. doi:10.1161/CIRCRESAHA.118.312669
4. Stiglic N, Viner RM. Effects of screentime on the health and well-being of children and adolescents: a systematic review of reviews. *BMJ Open*. 2019;9(1):e023191. doi:10.1136/bmjopen-2018-023191
5. Yuksel HS, ^ahin FN, Maksimovic N, Drid P, Bianco A. School-Based Intervention Programs for Preventing Obesity and Promoting Physical Activity and Fitness: A Systematic Review. *Int J Environ Res Public Health*. 2020;17(1). doi:10.3390/ijerph17010347
6. Ortega FB, Ruiz JR, Castillo MJ, Sjöström M. Physical fitness in childhood and adolescence: a powerful marker of health. *Int J Obes (Lond)*. 2008;32(1):1-11. doi:10.1038/sj.ijo.0803774

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