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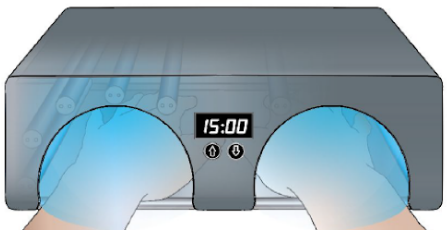
# Medical device for the treatment of Raynaud's phenomenon

**A novel therapeutic device that applies blue light and warmth for the treatment of Raynaud's phenomenon.**




**Technology ID**
20180346

**Category**
Life Sciences/Medical Devices

**View online page**

**IP Status:** US Patent Issued; Patent No. 11,865,357; Continuation Pending

### Applications

- Treatment of Raynaud's phenomenon
- Non-pharmaceutical vasorelaxation

### Technology Overview

Raynaud's phenomenon is a rare disorder that causes arteries to spasm leading to reduced blood flow in areas such as the fingers and toes. Currently, treatment options for Raynaud's phenomenon are extremely limited and ineffective in most patients. Researchers at the University of Minnesota have developed a medical device for the non-pharmaceutical treatment of Raynaud's Phenomenon. A light treatment unit causes vasorelaxation to occur by exposing hands, or other parts of the body, to specific wavelengths of blue light and heat. This reverses the spasming of arteries and restores blood flow.

### Phase of Development

**TRL: 1-2**
Prototype in development.

### Desired Partnerships

This technology is now available for:

- License
- Sponsored research
- Co-development

Please contact our office to share your business' needs and learn more.

### Researchers

- **Steven Saliterman, MD** Adjunct Professor, Department of Biomedical Engineering
- **Jerry Molitor, MD, PhD** Professor of Medicine, Division of Rheumatic and Autoimmune Diseases