

# Avicenna™

Laser Therapy Centers of Excellence  
Revolutionizing Pain Management

***The Avicenna AVI HPLL-12 Class IV High Power Laser Is The Benchmark That All Other Therapeutic Lasers Are Compared To.***

## **Introducing a Revolutionary Advancement in Neuromusculoskeletal Pain Management**

Avicenna Laser Technology's high power therapeutic laser provides a non-surgical and painless treatment solution for even the most difficult neuromusculoskeletal, soft tissue and orthopedic injuries plaguing today's care providers. Medical outcomes come from the laser's ability to "bio-stimulate" tissue growth and repair. This results in accelerated wound healing as well as a dramatic decrease in pain, inflammation, and scar tissue formation. Unlike all other treatment modalities, laser therapy actually "heals" tissue as well as providing a powerful non-addictive and side-effect free form of pain management.

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**For More Information**  
**1-888-AVI-LASER**  
[www.avicennalaser.com](http://www.avicennalaser.com)

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## The Deepest Penetrating Therapeutic Laser on the Market

**Avicenna Laser Technology**

- Superficial Aiming Beam  
650 nm
- Deep Treatment Beam  
980 nm
- Penetration Depth  
up to 25 cm
- Treatment Area  
8 cm

The diagram shows a cross-section of human skin and underlying tissue. A red laser beam is shown entering from the top. A dashed white circle at the surface indicates the 8 cm treatment area. A dashed white oval just below the surface indicates the 0.5 cm penetration depth of the LLLT. A dashed white circle further down indicates the 25 cm penetration depth of the 980 nm beam. Arrows point downwards from the 980 nm beam, indicating deep penetration.

**Low-Level Laser (LLLT)  
“Cold Laser”**

Penetration Depth  
Only 0.5 cm

**DANGER**

LASER RADIATION-AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION

630 – 1000nm; 12.0 max CW  
Per EN60825-1  
CLASS IV LASER PRODUCT

Manufactured by:  
**Avicenna Laser Technology, Inc.**  
 Auburn Township, OH 44023 USA  
 Phone: 888-Avi-Laser

Model No.: AVI HPLL-12  
 Serial No.: 123456789  
 Manufactured: Month YYYY

Complies with 21 CFR 1040.10 and 1040.11

### Applications of High Power Laser Therapy

A recent review of over 2500 articles in the medical literature indicated that many acute and chronic conditions may be improved or eliminated with therapeutic lasers. Some of these conditions include:

- |                           |                                  |
|---------------------------|----------------------------------|
| ➔ Arthritis               | ➔ Trigger Points & Muscle Spasms |
| ➔ Neck & Back Injuries    | ➔ Sprains/Strains                |
| ➔ Herniated Discs         | ➔ Pain Following Surgery         |
| ➔ Spinal Stenosis         | ➔ Nerve Associated Pain          |
| ➔ Sciatica (Leg Pain)     | ➔ Foot & Heel Pain               |
| ➔ Shoulder Pain           | ➔ Plantar Fasciitis              |
| ➔ Rotator Cuff Tear       | ➔ Ankle Sprain                   |
| ➔ Tennis Elbow            | ➔ Achilles Tendonitis            |
| ➔ Carpal Tunnel Syndrome  | ➔ Morton's Neuroma               |
| ➔ Muscle & Ligament Tears | ➔ Bunion Pain                    |
| ➔ Hip & Knee Pain         | ➔ Non-healing Wounds             |

### AVI HPLL-12 Technical Specifications

<b>Input Voltage</b>	90-264 VAC
<b>Input Frequency</b>	47 – 63 Hz
<b>Laser Type</b>	GaAs Diode
<b>Classification</b>	Class IV Laser Product
<b>Treatment spot size</b>	Variable 2 - 8 cm
<b>Wavelength (Treatment Beam)</b>	980 nm Continuous Wave
<b>Output Power</b>	.25 - 12 Watts (250 -12,000 mW)
<b>Wavelength (Aiming Beam)</b>	650 nm visible red
<b>Diode (Aiming Beam)</b>	Fixed
<b>Programmable Presets</b>	9
<b>Warranty</b>	1 yr.
<b>Approved Testing</b>	EN 60825-1
<b>Compliance</b>	21 CFR 1040.10 and 1040.11
<b>Accessories Included</b>	Two Safety Glasses
<b>Patent</b>	Pending