

Introduction to



Douglas Johnson has over 25 years in the clinical practice and serves as the Senior Vice President, Clinical and Scientific Affairs at **Multi Radiance Medical** and Chief Science Officer at **PhotoOpTx**. He is involved in numerous research studies involving PBM that focus on human performance enhancement and rehabilitation. His present area of research involves evaluating the effects of photobiomodulation on degenerative diseases and diabetes.

Named as a clinical advisor to **Laser Therapy U**, Mr. Johnson attended Wayne State University and The University of Detroit-Mercy where he earned a Summa Cum Laude Bachelor of Science degree in Sports Medicine in 1994. Johnson is current a fellow of the **Laboratory of Phototherapy and Innovative Technology**, Sao Paulo, Brazil.



Douglas Johnson
ATC, EES, CLS

Notice of Copyright

Introduction to My Pet Laser 2.0

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Today's Agenda

- *My Pet Laser 2.0* Overview
 - Features and Benefits
 - Device Parameters and Specifications
 - Indications of Use
- Operating your *My Pet Laser 2.0*
 - Device Operation, Navigation and Options
 - Setting and Choosing Parameters for Treatment
 - Mode Selection
 - Safety and Reprocessing
- Getting Started
- Summary




The #1 Vet Laser Device

- Vets love helping their patients and they trust the outcomes they get with Multi Radiance Lasers
- Used for 100s of commonly seen conditions
- Evidence based, proven technology
- Multi Radiance Medical is a world leader in super pulsed laser therapy
- SPLT provides accelerated pain relief, reduced inflammation for faster, more complete healing



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Let's go to
the Vet!

Come and
get me!!!



Senior Cats and Pet Care



Osteoarthritis:
20-25% of older dogs
42-92% of older cats

Getting to the vet's office or
clinic is going to be challenging
for months to come





 My Pet
Laser 2.0

The next best thing to being there!

- Stress-free home rental lasers could be the answer
- **Multi Radiance** makes the safest, most versatile lasers in the world



My Pet **Laser 2.0**



- 25,000 mW of peak power delivered by a super pulsed laser
- Super pulsing works like a camera flash, delivering a very large burst of energy, but it is short in duration, therefore it is safe to use on all skin types and coats
- Super pulsing means the laser never gets 'too hot'
- The addition of Red and Infrared LEDs provides a complete saturation of the photobiological window
- Drug-free, non-invasive, natural, safe
- Easy to use, lightweight and portable
- 5 Preset Programs designed to help with acute, chronic or post-surgical pain
- Rechargeable battery with 1 hours of continuous use
- Individual case, charger, manual and protective eye wear come with each laser
- Complete package for office marketing including posters for print, trifolds, LMN's, Rental Agreements, Estimated Income proformas



My Pet Laser 2.0

- 25 W - 905 nm Super Pulsed Laser
- 200 mW - 850 nm Infrared
- 120 mW - 640 nm Red
- Settings (in Hz): 50, 250, 1000-3000, 5-1000, 500-5000
- 4 cm² area

Power = Energy = Dose

Core = SPL + Red + IR

320 mW = 19.2 J/min





Veterinary Indications for Use

SPLT is used for many veterinary medical conditions, including:

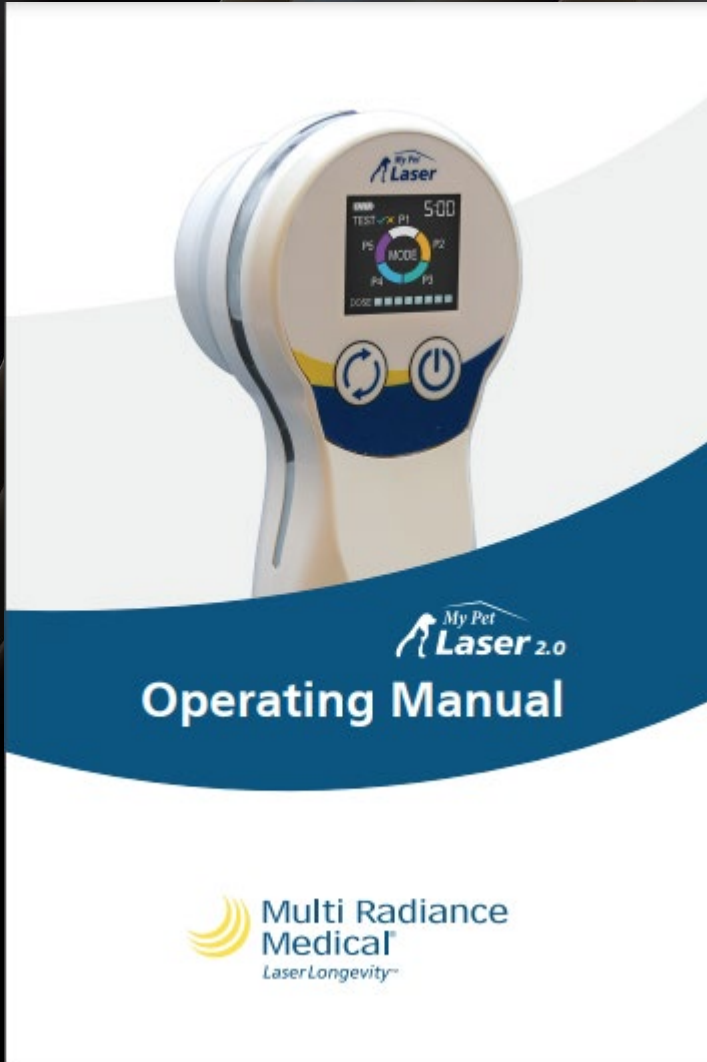
- Chronic arthritis
- Surgical incisions
- Tendon and ligament injuries
- Traumatic injuries

SPLT is particularly useful for pets with limited medical treatment options, such as:

- Pets who cannot take medications
- Cats, for whom only a few pain-control medications are approved
- Exotic pets for whom medication administration is difficult or impossible
- Older pets with diminished organ function



 *My Pet*
Laser 2.0
Device Operation & Navigation



Before using any Multi Radiance Laser device, the operator should become acquainted with the procedures, as well as the indications, contraindications, warnings and precautions.

It is important to keep these two references handy for a periodic review.




Call: 800.373.0955
help@multiradiance.com
www.MyVetLaser.com

Quick Reference Guide

Before using the MyPetLaser device:

- 1.) Review any potential contraindications prior to beginning a laser therapy program
- 2.) Familiarize yourself with the various methods for applying the MyPetLaser.
 - Review treatment protocols and guidance from the MyPetLaser Protocol Manual. Follow all operating and care instructions outlined in the Product Manual.

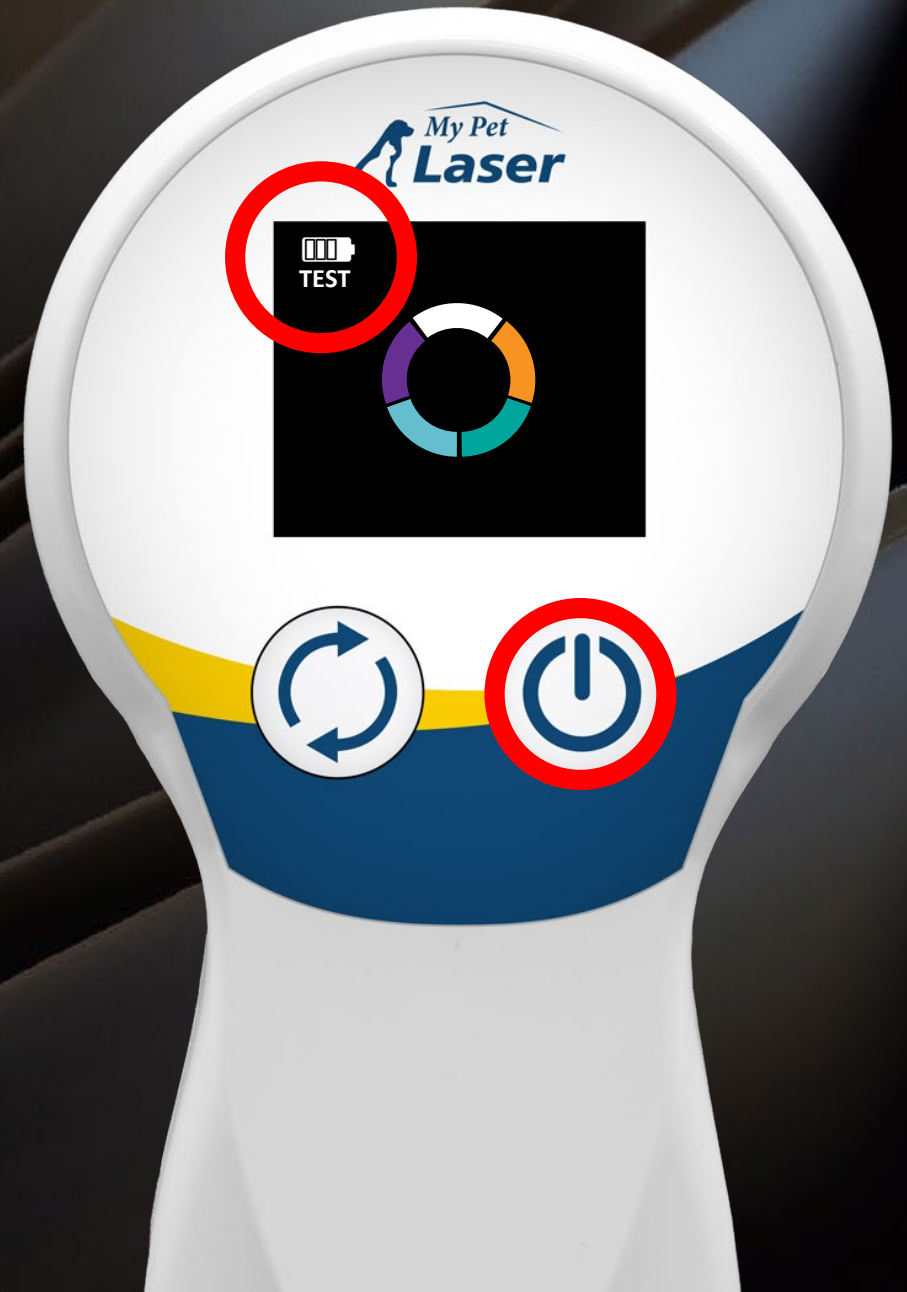
Multi Radiance Therapy Program

| Program | 1 | 2 | 3 | 4 | 5 |
|-------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------|
| Effect | Stimulatory | Stimulatory | Inhibitory | Stimulatory | Inhibitory |
| Depth | Deeper | Deep | Superficial | Variable | Superficial |
| Dose | Low | Low | High | Low | High |
| Preset Time | 1 minute | 1 minute | 3 minutes | 2 minutes | 5 minutes |
| Comments | Reduces inflammation, improves circulation, promotes healing | Promotes healing of bone, muscle, tendon & ligament injuries reduces arthritic pain, stimulates bone repair | Reduces edema, provides pain relief | Rescue, for injuries, trauma, surgery less than 48 hours | Pain |

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Powering On the Device and Battery Status

- Power On: Hold the **START/STOP**
- Power OFF: Hold the **START/STOP**
- Battery indicator shows the current level of charge remaining
- Battery may be charged anytime
- Charging status will be displayed on the screen during active charging
- The device will not operate in charging mode
- 1-hour approximate usage
- 45 min to 1 hour for a complete charge cycle



Device Operation and Navigation

- Self Test: An optional test that checks the operation of each of the 3 light sources
- If Yes, press **START/STOP**



Device Operation and Navigation

- Self Test:

- If NO, press **SELECT**



Device Operation and Navigation

Select Preset Modes

- Press **SELECT** to cycle through all available Modes
- Press **START/STOP** to begin treatment
- Treatments cannot be paused once started





 *My Pet*
Laser 2.0

MODES and PROGRAMS

MODE SELECTION

Select Mode: **P1 Inflammation**

- 50 Hz
- Stimulatory effect
- Deeper penetration
- Low power
- 1 minute
- *Modulates the inflammatory process, improves circulation, promotes healing*
- Indicated by 1 bar



MODE SELECTION

Select Mode: **P2 Repair**

- 250 Hz
- Stimulatory effect
- Deep penetration
- Medium power
- 1 minute
- *Promotes healing of bone, muscle, tendon and ligament injuries, reduced arthritic pain, stimulate bone repair*
- Indicated by 3 bars



MODE SELECTION

Select Mode: **P3 Edema**

- 1000-3000 Hz
- Inhibitory effect
- Superficial penetrations
- High Power
- 3 minutes
- *Reduces swelling, provides pain relief*
- Indicated by 6 bars



MODE SELECTION

Select Mode: **P4 Rescue**

- 5-1000 Hz
- Stimulatory Effect
- Variable penetration
- Medium power
- 2 minutes
- *Injuries, trauma, surgery less than 48 hours*
- Indicated by 4 bars



MODE SELECTION

Select Mode: **P5 Pain**

- 500-5000 Hz
- Inhibitory effect
- Superficial penetrations
- High power
- *Analgesia*
- 5 minutes

- Indicated by 8 bars





 *My Pet*
Laser 2.0
Frequency & Time Settings

Laser Frequency is

The number of times
per second the Super
Pulsed Laser fires

Hz



↑ Hz = ↑ Energy



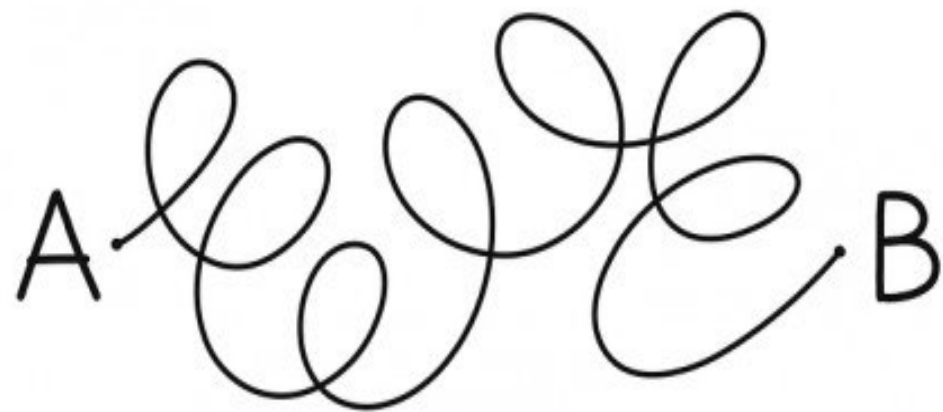
A close-up photograph of a green and black spray nozzle. The nozzle is tilted, and a white, conical spray of water is being emitted from its tip. The background is a soft-focus green, suggesting foliage. The nozzle has a black ring with white text that reads "CENTER" and "FLAT".

Δ Frequency = Δ Dose and Rate





Simplify



Choosing Treatment Settings

| Program | P1 | P2 | P3 | P4 | P5 |
|-----------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------|-------------|
| Frequency (Hz) | 50 | 250 | 1000-3000 | 5-1000 | 500-5000 |
| Effect | Stimulatory | Stimulatory | Inhibitory | Stimulatory | Inhibitory |
| Depth | Deeper | Deep | Superficial | Variable | Superficial |
| Power | Low | Medium | High | Medium | High |
| Preset Time (minutes) | 1 | 1 | 3 | 2 | 5 |
| Comments | Reduces inflammation, improve circulation, promotes healing | Promotes healing of bone, muscle, tendon and ligament injuries, reduced arthritic pain, stimulate bone repair | Reduces edema, provides pain relief | Rescue, for injuries, trauma, surgery less than 48 hours | Pain |



MODE Selection



Example #1

3 y/o cat injured her right wrist jumping from atop a piece of furniture, there is pain and swelling but x-rays were negative for fracture.

Treatment #1 Frequency + Time Selection

- Select **P4 Rescue**
- *Deliver treatment to the affective joint*

TIPS

- No other laser treatment necessary
- Repeat PRN every hour
- Re-evaluate symptoms after 48 hours



MODE Selection



Example #2

Anxious 3 y/o dog with a Acral Lick Dermatitis (Lick granuloma) presents for treatment

Treatment #2 Frequency + Time Selection

- Select **P3 Edema** and scan along the Bladder Meridian (adjacent to the spinal column)
- Select **P1 Inflammation** and treat the areas of inflammation on the skin

TIPS

- The “Unwind” will assist with anxiety
- Dress and repeat daily



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MODE Selection



Example #3

8 y/o German Shepard suffers from chronic joint abnormalities that contribute to her arthritis in her left hip.

Treatment #3 Frequency + Time Selection

Select **P2 Repair**

- *Deliver treatment directly to the affective joint at multiple projections, do not scan*

TIPS

- Consider bilateral treatment
- Inflammatory condition and will require more than 48 hours to notice results



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Setting the Dose

- Low dose
 - for small or superficial conditions/patients and to stimulate repair
- High dose
 - Needed to efficiently deliver enough energy (joules) to saturate/stimulate large areas/patients as well as deep-seated and/or chronic musculoskeletal conditions, to block pain
- In many instances, a non-significant effect may be attributed to providing too much or too little energy



Monitoring the Dose

- The status bar will indicate the total energy of the procedure
- The status bar will progress to full during the active treatment





 *My Pet*
Laser 2.0

Tying it All Together

Easy to Use

- **My Pet Laser 2.0** is an at home, stress free, safe and highly effective super pulsed laser treatment
- Treatment protocols are easy ...with only 5 settings, there is no complicated steps to perform to operate the laser
- For pets with arthritis, post operative wounds and pain management issues
- It reduces pain and inflammation without side effects
- Can be used for acute and chronic conditions
- Treatments feel good
- Treatments are 10 minutes or less and can be done multiple times daily



Quick Start

Which Mode to Use?

- 1 treatment per “location” per session
- Use **P4 Rescue** for acute conditions
- Do not mix **P1 Inflammation** and **P5 Pain** at the “same” targets
- Treatments are typically 10 minutes per day

| Program | 1 | 2 | 3 | 4 | 5 |
|---------|--------------|--------------------------------------------|-------|--------|------|
| | Inflammation | Bone, muscle, tendon and ligament injuries | Edema | Rescue | Pain |





 *My Pet*
Laser 2.0
Cleaning Questions, More
Information and Close

Cleaning and Disinfecting of Rental Lasers

How to clean and sanitize your Multi Radiance Laser

Step 1: Using PPE (gloves), turn off the device by holding down the power button on a cordless laser and disconnect from the wall charger

Step 2: Remove the protective lens from the laser, by twisting it counter-clockwise

Step 3: Using a Hydrogen Peroxide disinfecting wipe, 10% bleach/water solution on a lint free cloth, or Clorox Disinfecting Wipe clean the entire surface of the laser for 2 minutes

Step 4: Repeat procedure for the protective lens

Step 5: Use enough wipes for treated surface to remain visibly wet for 4 minutes

Step 6: Set the laser and lens aside to air dry, do not pat dry

Step 4: Once completely dry; it is ready to be used on the next patient





Rental Revenue Opportunity



Annual Passive Income

Veterinarians can rent our new and improved My Pet Laser to their clients, to generate income and allow pet owners to relieve pain, reduce inflammation, and heal wounds even more effectively than the original.



"Graph based on renting the My Pet Laser at \$250/week. Columns 2, 3 and 4 assume multiple rental lasers being utilized. Actual results may vary".

Questions & Answers

Email: info@multiradiance.com

Phone: +1 877.542.0761





LTU...You need to be here.

www.LaserTherapyU.org

Webinars



Protocols



Videos



Research



Multi Radiance
Super Pulsed Lasers

My Pet
Laser 2.0

Treatment Protocol Manual

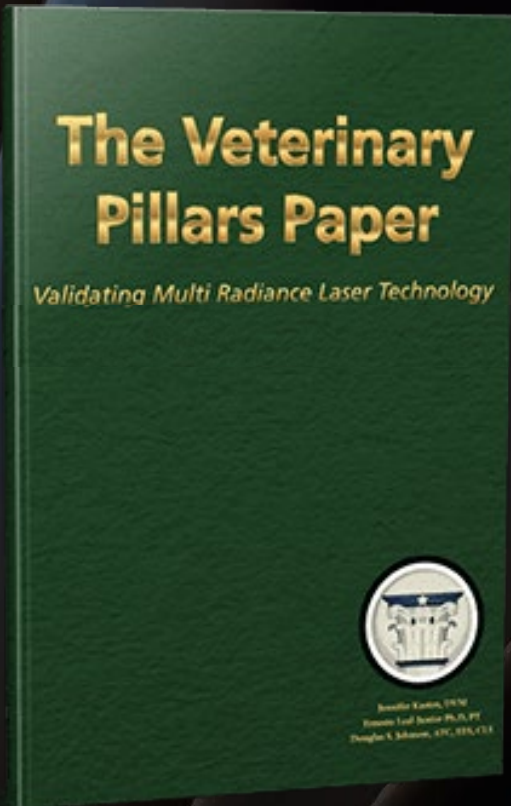


To learn more

Read the included Companion Protocol Manual



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To learn more

Request the new *The Veterinary Pillars Paper* that further explores the use of SPLT in Veterinary Practice



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Thank you for your participation



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SUPER PULSED LASER THERAPY

WORKS!

