RUD How laser therapy benefit you?

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CONTENT

01 How does laser work ?

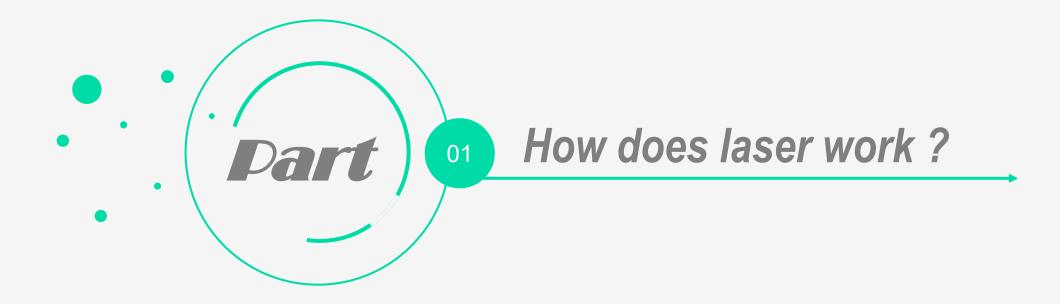
02 Features of RLT-24



⁰³ When should laser therapy be used?









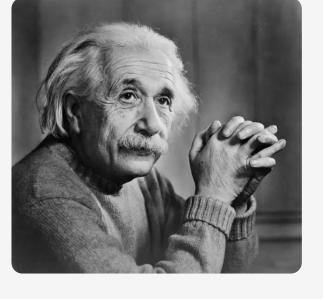
All life can not survive without light



LASER Light Amplification by Stimulated Emission of Radiation

Lasers are created by activating electrons to an excited state. The electron moves from an excited state to ground state, and release of photons. Atom absorbs a photon and after a short time another photon is absorbed a stimulated emission will be result.

The newly created photon has the same optical characteristics, and form a monochromatic, coherent, collimated light beam.





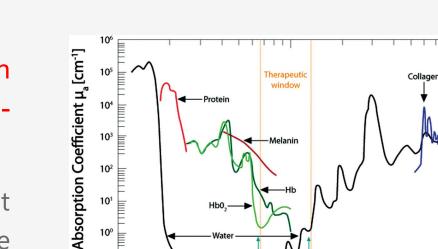
Albert Einstein first broached the possibility of stimulated emission in 1917

How does laser work?

Laser therapy also known as Photobiomodulation therapy (PBMT), is a treatment that is noninvasive, drug and surgery-free

Laser therapy uses specific wavelengths of light (red and near-infrared light) to stimulate the body's natural healing capabilities.

The laser beam releases energy to tissues. Then the cell will absorb the energy and produce a series of biochemical effects.



0.3

650 nm

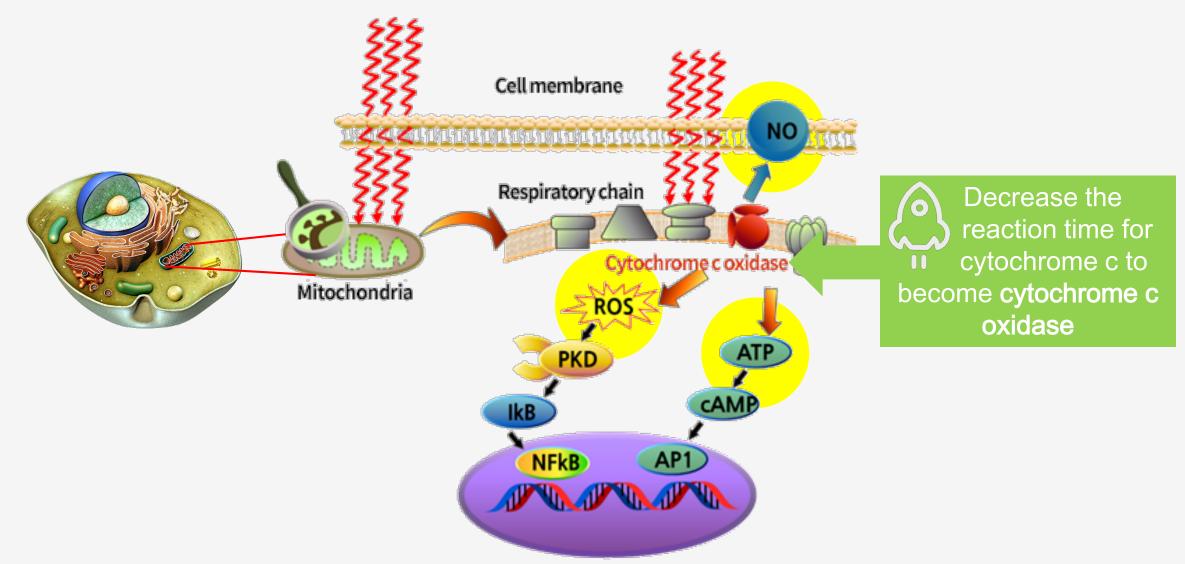
1.3 um

Wavelength λ [µm]

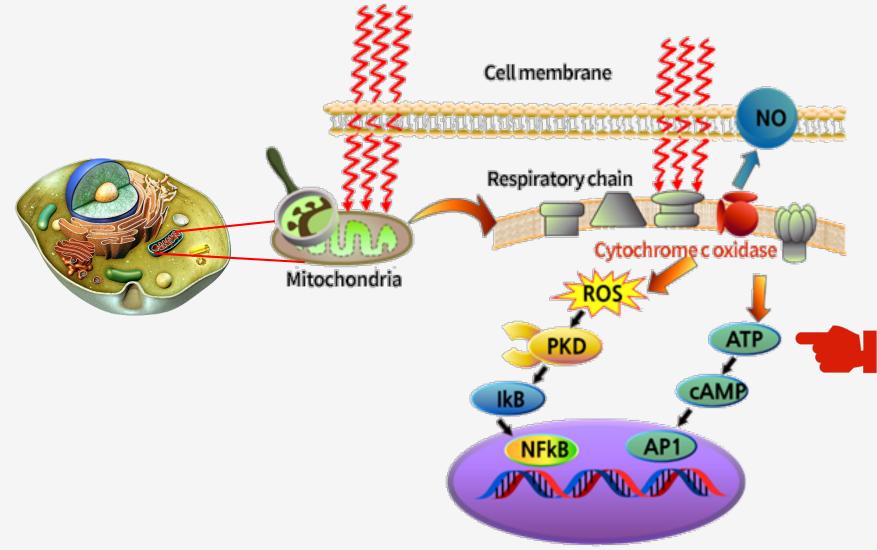
3

0.1





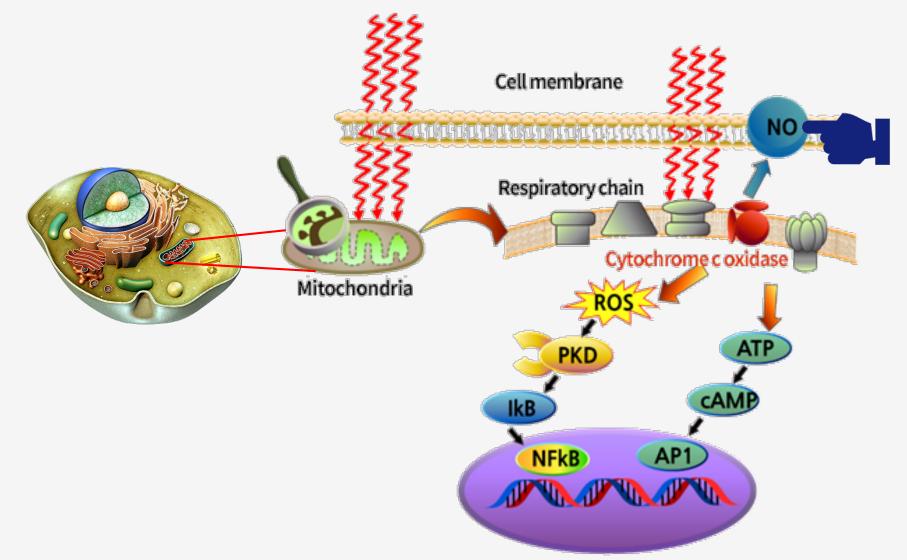
RUD 瑞沃德 Wdls.com



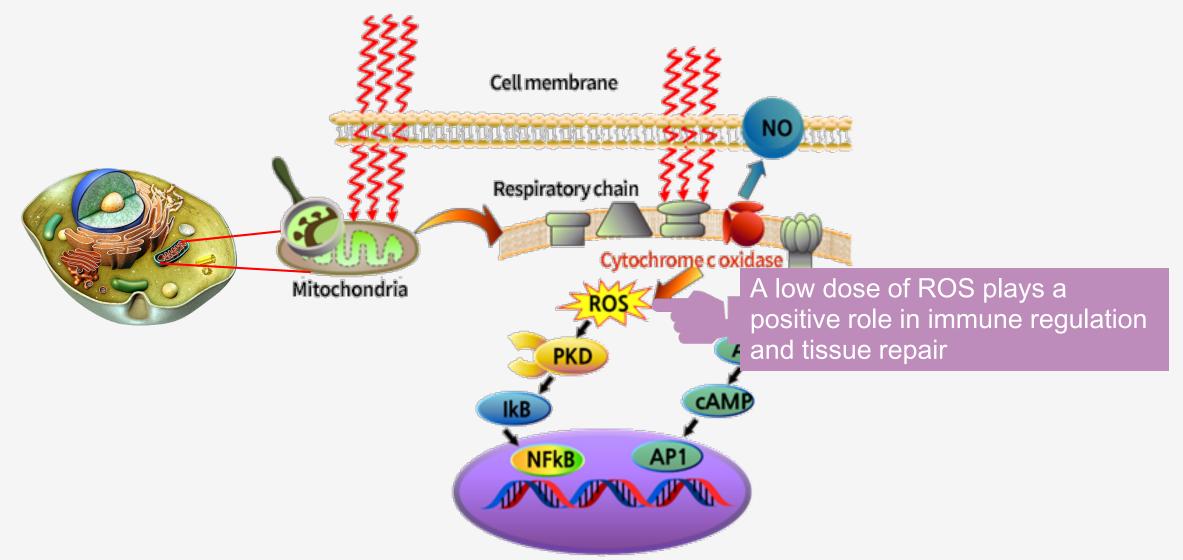
It affect many favorable biologic responses or secondary mechanisms, including reduction of pain and inflammation, and tissue healing

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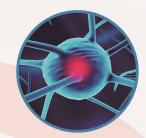


Vasodilator. It will improve micro circulation to deliver O_2 , sugars and proteins and remove the wastes.



RUD 瑞沃德 Increased Metabolic Activity

> Improve/Boost microcirculation by increasing vasodilation



Reduce Inflammation

Reduce inflammatory edema and promote lymph flow

RLT-24

Promote Bone Tissue Healing



Activate bone cells to stimulate bone formation

Improve Muscle

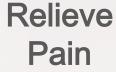
Injury

Reverse muscle atrophy and regenerate muscles

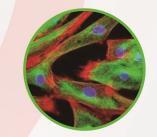


RMD





Increase the production of β-endorphin to relieve pain



Accelerated Tissue Repair

Stimulate fibroblasts to promote tissue regeneration







RLT-24 Animal Laser Therapy



RWD Animal Laser Therapy

1300+ Built-in treatment programs



Smart operation & Easy to use

RWD Animal Laser Therapy

24W High power





Good result & reduce treatment time

Class 4 laser systems

RWDI HASER therapy power

Lasers are classified for safety purposes based on their potential for causing injury to humans' eyes and skin. Most laser products are required by law to have a label listing the Class. It will be listed either in Arabic numerals (1 2, 3R, 3B, 4) or in Roman numerals (I, II, IIIa, IIIb, IV).

Class 1

This class is eye-safe under all operating conditions. A Class 1 laser is safe for use under all reasonably anticipated conditions of use. Power < 0.4mw

Class 2

A Class 2 laser emits in the visible region (400-700nm). It is presumed that the natural aversion response to the very bright light will be sufficient to prevent damaging exposure, although prolonged viewing may be dangerous. Power: 0.4-1mw

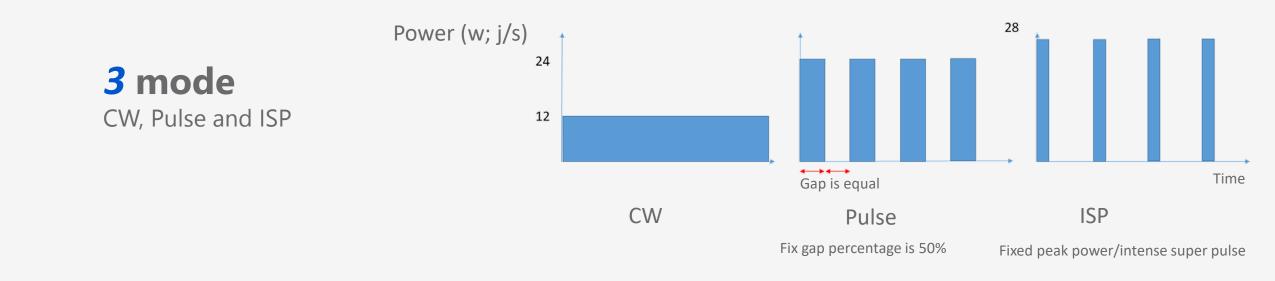
Class 3

A Class 3R laser is a continuous wave laser, which may produce up to five times the emission limit for Class 1, or Class 2 lasers. Not considered as a fire hazard or a major hazard to the skin Power 3a: -5mw; 3b:5-500mw

Class 4

(High power visible and invisible waves) Potentially serious harm to the eyes Power>500mw Even if the service time of 10W laser is prolonged, it can not achieve the effect of 20W laser

RWD Animal Laser Therapy

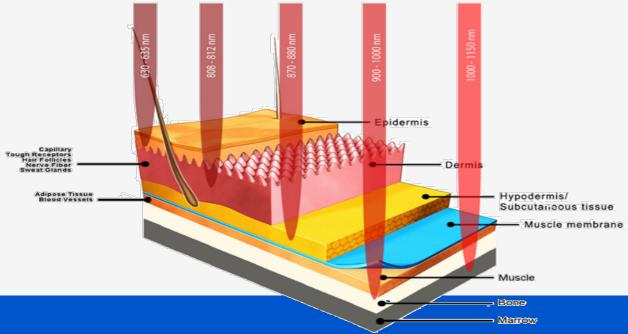


CW -- for chronic diseases Pulse -- for acute and subacute injuries. ISP -- for deeper treatments such as osteoarthritis

RWD Animal Laser Therapy

4 Wavelengths

650nm、810nm、915nm、980nm



The wavelength decide the depth of treatment. For example, 650 suit to the shallow layer, and the longer wavelength suit to the deep tissue

According to different treatment target, the built-in program will intelligently match the wavelength and frequency.



650nm-Accelerates surface repair. Eg. Surgical wounds, infected wounds, skin diseases 810nm-Increases ATP production. Eg. Has anti-inflammatory and swelling effects 915nm-Enhanced oxygen delivery. Eg. Shock, poisoning, cyanosis, analgesia 980nm-Improves Circulation, Insufficient organ supply

The depth and function of laser beam with different wavelengths are different and cannot be replaced. Without any wavelength, the effect will be greatly reduced

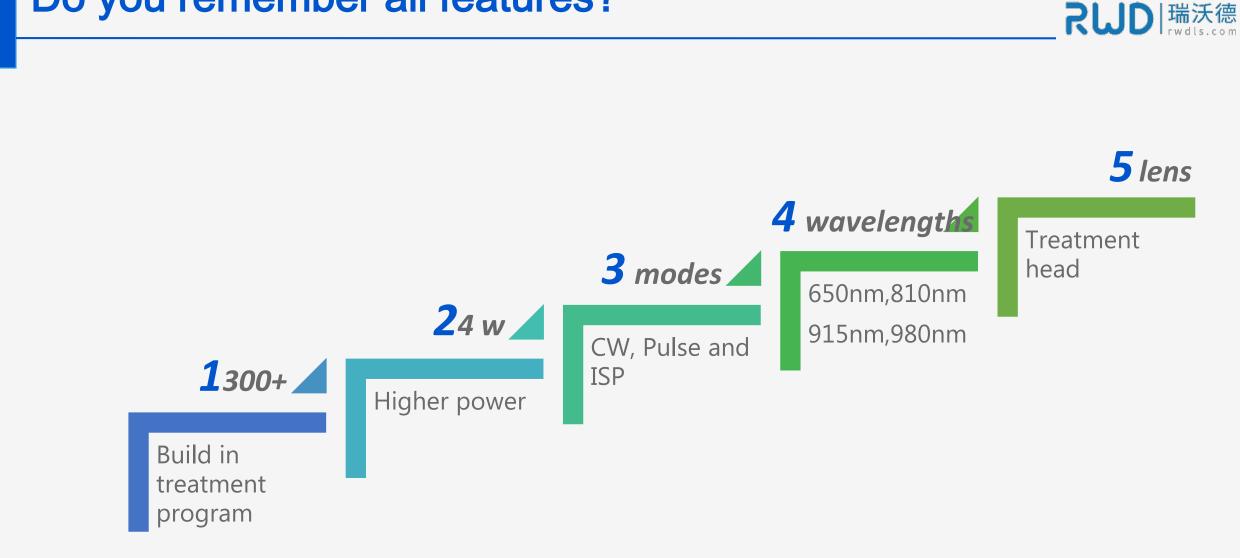
RWD Animal Laser Therapy

5 Lens



Can be flexibly selected according to the size of the treatment site, treatment methods, etc., while ensuring the treatment efficiency and covering a wide range of cases

Do you remember all features?





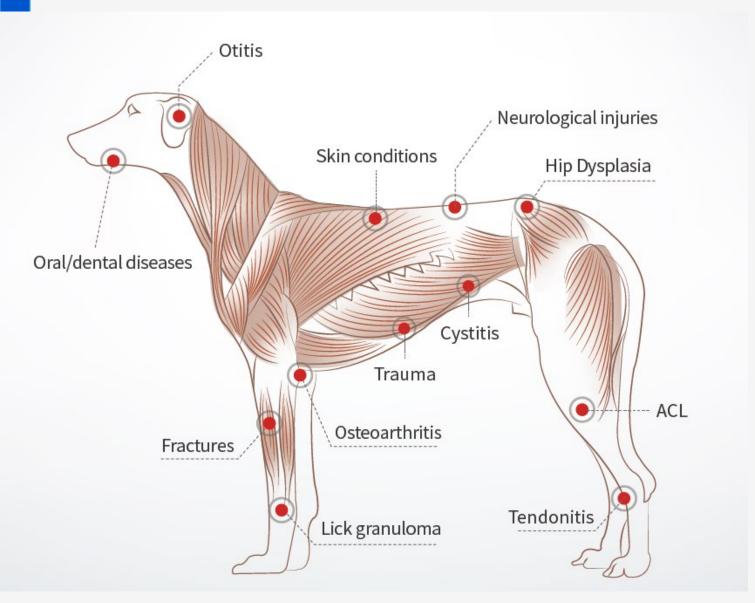


- Built in battery
- Touch screen
- Optical fiber winding disc
- Build-in instruction videos





Clinical Application



Laser therapy can help about 80% + of clinical cases



Clinical Application

Pain management

- Surgical Pain
- Acute Pain
- Chronic Pain

Wound

- Surgical Incisions
- Granulomatous
- Burns
- Autoimmune
- Aural Hematoma
- Oral Wounds

Dermatosis

- Acral Lick Dermatitis
- Moist Dermatitis
- Pyotraumatic
 Dermatitis
- Anal Sacculitis
- Anal Sac Abscess
- Bacterial Folliculitis
- Non-Inflammatory Alopecia
- Cellulitis
- Otitis Externa
- Pemphigus
- Pododermatitis
- Allergic Dermatitis

Oral disease

Periodontal

Disease

- Feline Stomatitis
- Tooth Extractions
- Ulcer

Neurological Conditions

- Intervertebral Disk
 Disease
- Degenerative Myelopathy

Orthopedic Diseases

• Arthritis

- Myopathies
- Tendinopathies
- Cranial Cruciate
 Ligament Injuries
- Fractures
- Osteomyelitis





What are advantages of laser therapy in Relieving Patients' Pain

Quick-relief

You will find obvious effect after 1-2 times treatment.

Support long-term use

Painkiller free, no drug addiction and tolerance, no damage to liver and kidney.

Animals are happy to cooperate it

Patients do not need to be fixed forcibly.



The cat had just taken a tooth extraction operation. Vet use laser therapy to relieve pain and promote incision healing

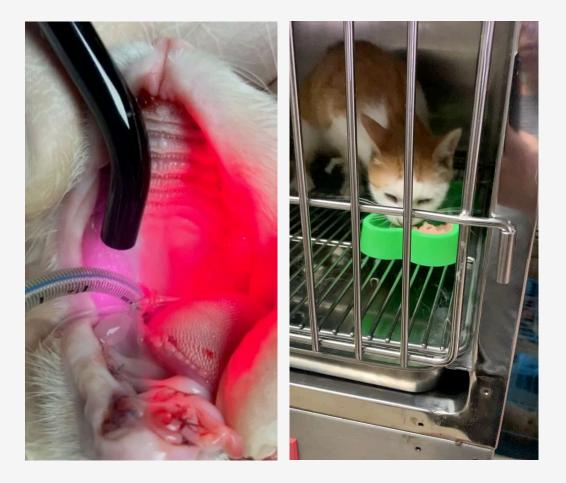
>>>Therapeutic schedule

Vet use the built-in "tooth extraction" and "full mouth" and " open mouth" protocol

One time immediately after procedure

>>>Result

3 hours later after procedure , the cat could eat happily



From YINUO pet clinic



What are advantages of laser therapy in **Oral Disease**.

Non extraction method

As a non-invasive, non-surgical treatment, it allows patients to keep their teeth

Instant effect

The pain and swelling can be relieved in most cases after the previous treatment

Effective when tooth extraction is ineffective

Laser physiotherapy can be used as a long-term care plan to make the animals live better.

Cat, Stomatitis



Oral disease

- Periodontal
 Disease
- Feline Stomatitis
- Tooth Extractions
- Ulcer



The cat came to the hospital with poor appetite and weight loss. The gums seem red, swollen and sensitive. It must be very painful.

The owner can not accept tooth extraction, and wants to keep the cat's tooth, so they try laser therapy.

>>>Therapeutic schedule

Vet use the built-in "stomatitis" and "shut up" protocol Once daily in the 1st week; Every other day in the 2nd week; Every 3 days in the 3rd week

>>>Result

After the first two times treatments, the pain had been decreased and the appetite recovered

After two weeks treatment, the swollen had basically subsided Two months have passed and there is **no recurrence** until now

From YINUO pet clinic 2022/1/5



What are advantages of laser therapy in dermatosis.

Shorten the course

It can shorten about 30%~50% healing time.

Reduce the use of hormone drugs

There are a lot of side effects of hormone drugs, like recurrent, decreas skin resistance, drug dependence, etc.

Avoid scratching

Reduces pain, patient will not scratch the lesions, to avoid the further development of lesions.

Incurable, super-bacterial infection

Dog, acute eczema





Diagnosis: Because the owner frequently disinfects the environment, the animal lies on the ground for a long time, causing acute eczema



times a week with laser treatment

>>>Therapeutic schedule: Laser therapy once every other day, Non-contact

>>>Result:

After four times laser therapy, the eczema already basically subsided, and there was no recurrence



From YINUO pet clinic

How laser therapy benefit you and the patient?

Staying

Higher patient

satisfaction

competitive in

the market



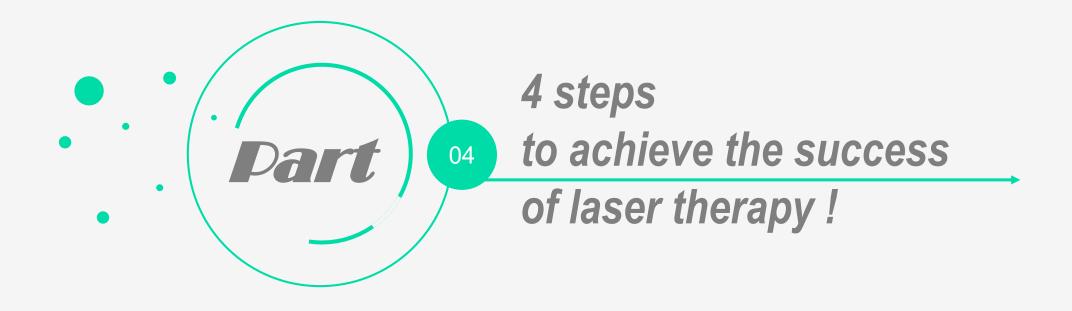
Increased patient flow

Increased cash flow



Treat more conditions and achieve better results







CONFIRM YOUR PATIENT AND SERVICE DEMOGRAPHICS

There are elderly animals with degenerative disease, patients with skin disease, nerve injury or orthopedic disease, cats with stomatitis...



If you have already provide acupuncture, massage, yoga, electrotherapy, oxygen therapy...



If your pillar service is immunization, deworming, terilization and castration

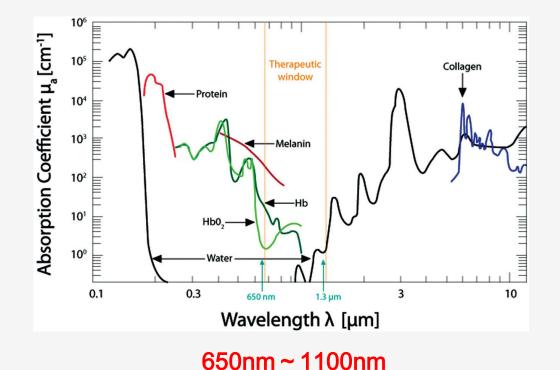




Some basic terminologies you should know

Wavelength: nm, The wavelength of a laser determines its absorption properties

The depth and function are different !

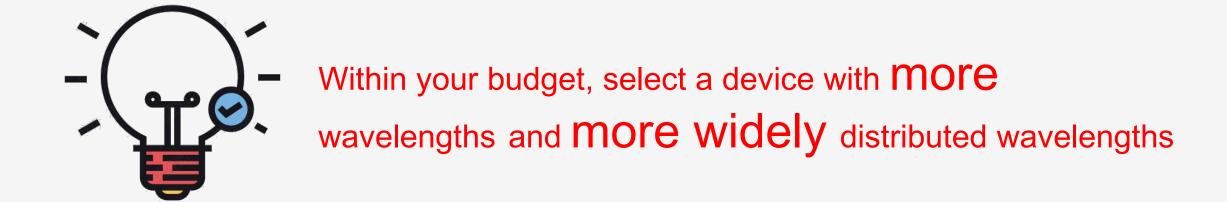


• 650nm-Accelerates surface repair.

- 810nm-Increases ATP production.
- 915nm-Enhanced oxygen delivery.
- 980nm-Improves Circulation, Insufficient organ supply

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GET A DEVICE AND PRACTICE TO USE IT

DOSE: J/cm2, density of energy delivered to the surface of the target tissue.

Energy = power × time

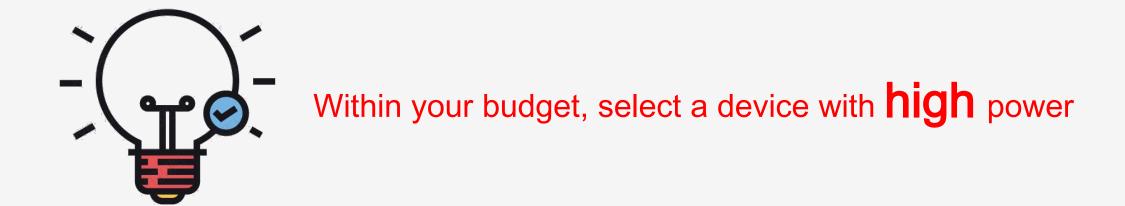
Power : W, The rate at which energy is emitted





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Laser Classes

Class 1 : It is eye-safe under all operating conditions. Power < 0.4mw

Class 2 : It emits in the visible region (400-700nm). It is presumed that the natural aversion response to the very bright light will be sufficient to prevent damaging exposure, although prolonged viewing may be dangerous. Power: 0.4-1mw

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Class 3 : A Class 3R laser is a continuous wave laser, which may produce up to five times the emission limit for Class 1, or Class 2 lasers. Not considered as a fire hazard or a major hazard to the skin

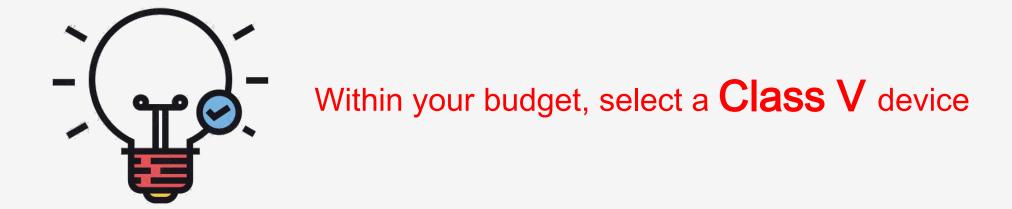
Power 3A: -5mw; 3B:5-500mw 10-20min

Class 4: (High power visible and invisible waves) Potentially serious harm to the eyes, Power > 500mw 2 min



Shorter single treatment time Better result





Are you ready?



1300+ Built-in more than 1300 treatment plans (including Canine, Feline, Exotic, Equine).

3 Modes

CW, Pulse and ISP. The combination of multiple modes can improve the treatment efficiency, reduce thermal burns, and intensify laser treatment.

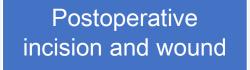
24W

The laser power is up to 24W, with remarkable treatment effect.

4 Wavelengths

650nm, 810nm, 915nm and 980nm; A wider range of clinical applications.





build in protocols to familiar with the operation of equipment and build your confidence



REDUCE PAIN REDUCE INFLAMMATION ACCELERATE HEALING

Improve/Boost Reduce inflammatory microcirculation by edema and promote increasing vasodilation lymph flow Activate bone Increase the production cells to stimulate of B-endorphin to bone formation relieve pain **Reverse** muscle Stimulate fibroblasts atrophy and to promote tissue regenerate muscles regeneration

Laser Therapy, also known as Photobiomodulation therapy (PBMT), is a treatment that is non-invasive, drug and surgery-free. It occurs when a dose of light energy reaches target tissue to effectively reduce pain, inflammation and accelerate healing, so it can treat a wide variety of conditions including pre-surgical, post-surgical, acute, and chronic disease states.

RWD Life Science

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in rwdveterinary

Post some posters in your clinic

Let owners know You Can Provide Such

A New Service

Let owners understand How Laser

Therapy Work ?

Let owners know Why Laser Therapy Effective ?

Share...

- Successful cases
- Group photos of patient and owners with goggles ['gpglz]. Super cool !
- Video of the treatment process.







Let the owner participate in

- Let the owner experience the effect of treatment first
- Let the owner fix his dog and he will know dog is very comfortable
- Let the owner hold the treatment head to increase the sense of achievement



Price fixing

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How Much Does Dog Laser Therapy Cost?

The costs of the procedure can also fluctuate. "Single treatments typically cost anywhere from \$40 to \$100 each, says Dr. Downing. "Most practitioners bundle treatments and provide a discount to make the treatments more affordable. Then the treatments can be used at whatever pace seems optimal for the patient." The fee often also includes other forms of care.

How much does cold laser therapy cost for dogs?

Asked By: America Carroll Date created: Thu, Feb 4, 2021 5:08 PM

Best answers

Cost of Laser Therapy in Dogs.

The cost of laser therapy ranges from \$25 to \$50 per session, depending on the length of exposure required.

Dogs may require a couple of sessions a week to start, with frequency declining as treatment progresses.

Treatment can go on for several weeks.

Answered By: Halle Runolfsson Date created: Fri, Feb 5, 2021 7:11 PM

One price for any cases

discount can be given for multiple treatments







Different price for different cases

Discount can be given for multiple treatments. Multiple items can be packaged for pricing.

- 1. Surgical incision, \$8-15
- 2. Feline Stomatitis, \$ 10-20
- 3. Chronic pain, \$ 20-30
- 4. Neurological Conditions, \$25-35
- 5. Osteoarthritis, \$ 25-35

