

Laser Therapy Accelerates Pain Relief and Healing



**We Utilize The
ML830 Cold Laser**

First Cold with FDA Approval

Assists Patient With Chronic Pain

**Arthritis .. Carpal Tunnel
Knee Pain .. Plantar Fasciitis
Shoulder and Neck Pains**

FDA Cleared ML830[®] Cold Laser

The ML830[®] Laser & its family of products treat Carpal Tunnel Syndrome, Arthritis, Muscle & Joint Pain, Stiffness & more!



Deep penetration of approx. 5cm

Reduce Inflammation

Improve Nerve Conduction

World's First FDA-Cleared 3-B Laser

2 Double-Blind Studies

Used In America For Over 16 Years

Patented Technology

Non-Invasive Technology

The ML830 Laser

We use the ML830 laser that is FDA approved and utilizes the patented 830nm wavelength proven to penetrate through human tissue to help heal the injured area

The ML830 laser photons find the injured tissue, they stimulate and energize the cells to repair and strengthen at a remarkable rate

Collagen production is stimulated so the ligaments and tissues grow stronger than with normal healing

The ML830 cold laser light photons penetrate the skin which activates a chemical mechanism called photo biostimulation

The cold laser is tuned so that it penetrates to a level necessary to activate cellular mechanisms of anti inflammation, tissue healing and pain control

Cold Laser .. What It Does?

Relieves Pain

Reduces Inflammation

Increases the speed and tensile strength of tissue repair

Increases blood supply

Stimulates the immune system

Stimulates nerve function

Develops collagen and muscle tissue

Helps generate new and healthy cells and tissue

Promotes faster wound healing and clot formation

Inactivates Myofascial trigger points

Laser

**Photobiomodulation
in
Target Tissues**

Thermal

- ↑ Nerve conduction
- ↑ Capillary dilatation

Bioenergetic

Acupuncture meridian
point stimulation

Biochemical

- Releases nitric oxide
- ↑ ATP production
- ↑ Fibroblast migration
- ↑ Macrophage activity
- ↑ Keratinocyte activity
- ↑ RNA/DNA synthesis
- ↑ Enzyme production
- ↑ SOD production

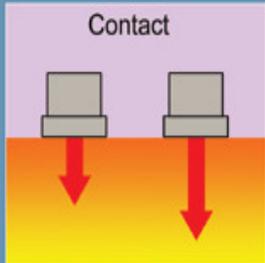
Bioelectric

- ↑ Electromotive action
acting on membrane
bound ion channels
- ↑ Intracellular/extracellular
ion gradient changes

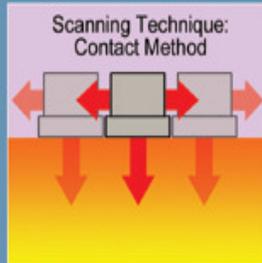
CLINICAL EFFECTS

- Reduced spasm • Pain relief • Increased circulation
- Improved flexibility and function • Improved healing
- Reduced symptoms associated with osteoarthritis

Treatment Techniques:

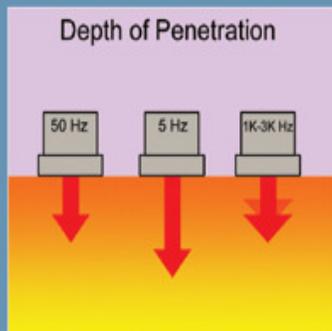


Contact: Surface contact with mild over pressure will provide not only better overall depth of penetration but also a more consistent dose.



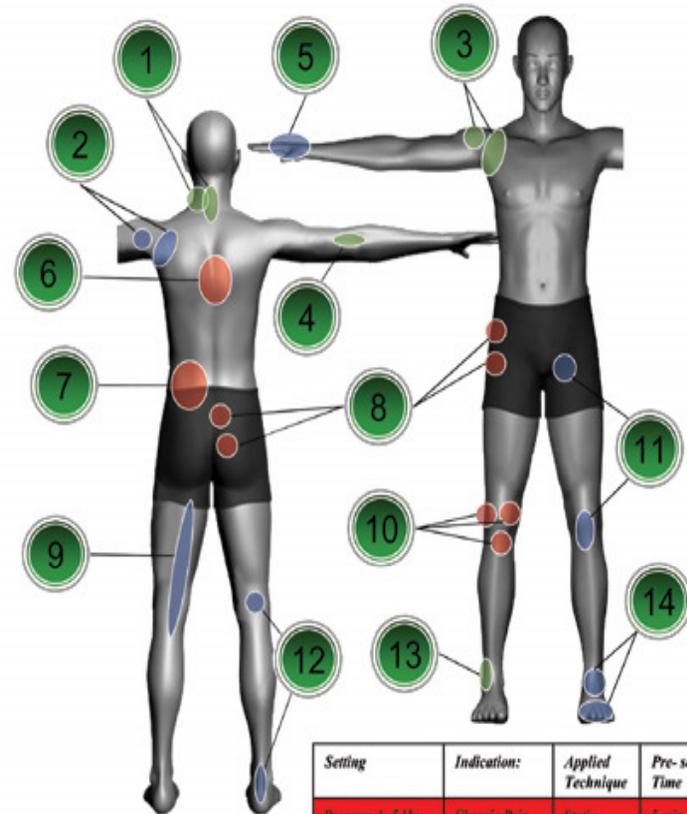
Scanning method: This technique is used when a large area must be treated. The applicator is moved in the appropriate direction at a speed of 0.5 to 1.5 cm per second. Ideally suited for larger treatment targets, however, due to an increase of surface area, treatment times may need to be increased to deliver a uniform dose to the entire area.

Laser Depth:



14 Common Phototherapy Treatments:

- 1) Neck Pain:**
50 Hz, Static, 5 min to the painful side;
Variable 5 min to painful area.
- 2) Rotator Cuff Tendonitis:**
50 Hz, 5 min, Static the top and back of the shoulder;
Variable, Scan, 5 min at the site of the pain;
50 Hz, Static, 5 min to cervical spine
- 3) Shoulder Strain:**
50 Hz, Scan, 5 min if chronic, if acute
Variable, Scan 5 min to the front of the painful shoulder;
50 Hz, Static, 5 min on the painful area
- 4) Tennis Elbow:**
Variable, Scan, 5 min slowly scan the elbow;
50 Hz, Static, 5 min to axilla of affected side
- 5) Wrist Pain and Arthritis:**
Variable, Scan, 5 min to the painful joints of the hand;
50 Hz, Static, 5 min to the bend of the elbow of the painful hand
- 6) Rib/Thoracic Pain:**
5 Hz, Scan, 5 min for each painful area;
Variable, Scan, 5 min to painful area
- 7) Low Back or SI Joint Pain:**
5 Hz, Scan the painful side for 5 min;
Variable, Scan, 5 min to painful area
- 8) Hip Sprain:**
5 Hz, Static to 3-4 spots around the hip joint 5 min each;
50 Hz, Static, 5 min to groin of the affected hip
- 9) Hamstring Strain:**
50 Hz, Scan, 10 min along the tendon and muscle
- 10) Knee Sprain:**
50 Hz, Static to the back of the painful knee 5 min;
5 Hz, Static to the front of the painful knee in 3 or more spots 2 min each
- 11) Patellar Tendonitis:**
50 Hz, Scan the painful patellar tendon for 5 min;
50 Hz, Static, 5 min to the groin of the painful knee
- 12) Achilles' Tendonitis:**
50 Hz, 5 min, Scan the painful ankle and tendon;
50 Hz, Static, 5 min to the back of the knee of the painful foot



Setting	Indication:	Applied Technique	Pre-set Time
Program 1: 5 Hz	Chronic Pain	Static	5 min
Program 2: 50 Hz	Acute Pain	Static	5 min
Program 3: Variable	General Pain	Scan	5 min

- 13) Ankle Sprain:**
50 Hz, Static, 5 min to back of the knee of the affected leg;
Variable, Scan the sprained ankle for 5 min

- 14) Arthritis of the Foot/Ankle:**
50 Hz, Static, 5 min to the top of the foot;
Variable, Scan, 5 min the painful joints of the foot

● The Static technique is most commonly used. Hold the emitter over the area of pain with firm pressure, avoid moving the laser

● The Scanning technique is used to treat a large area. The laser is moved slowly around the painful area

Laser Mechanism of Action

Photobiomodulation in Target Tissues

Thermal

- ↑ Nerve Conduction
- ↑ Capillary dilation

Biochemical

Releases nitric oxide

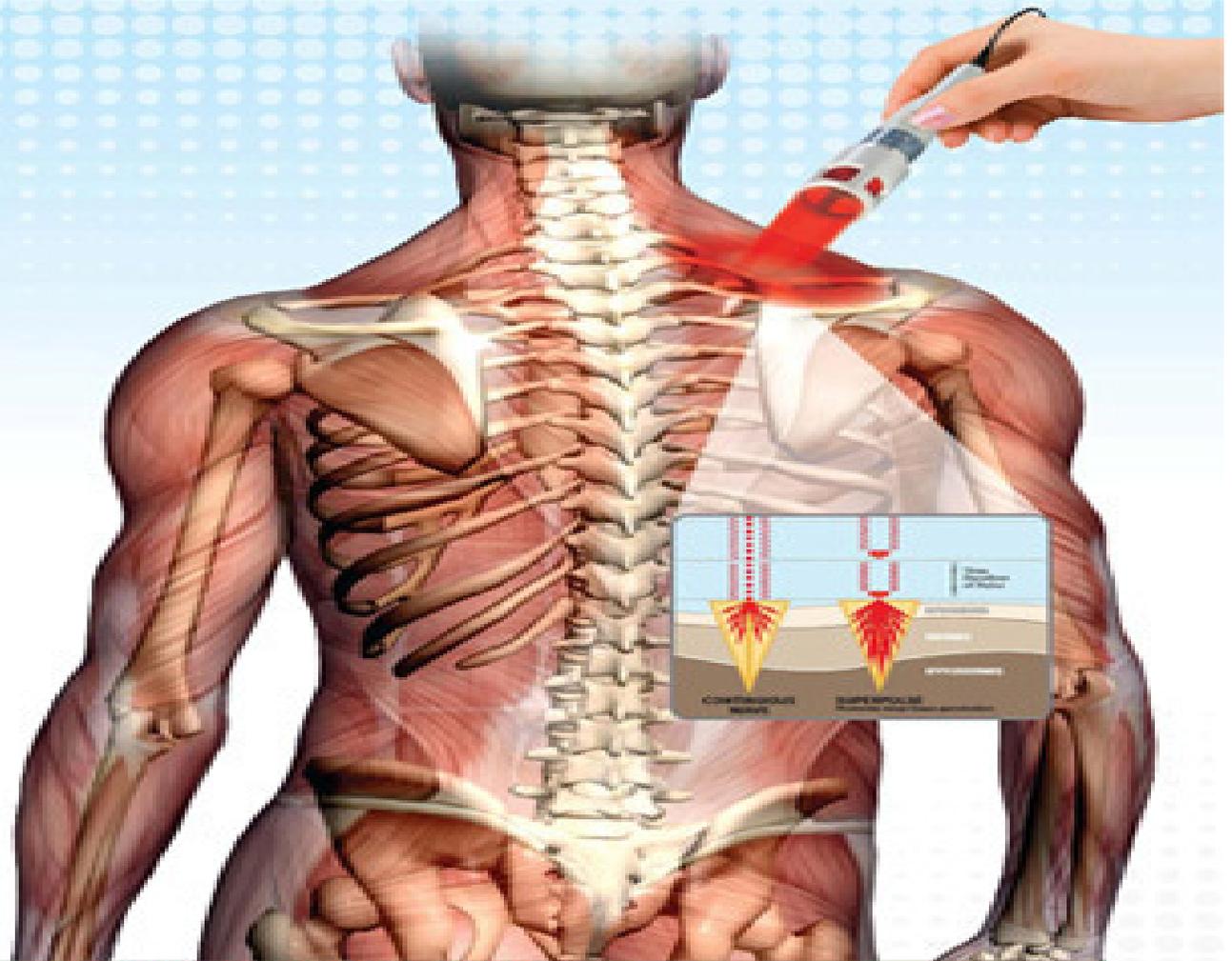
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CLINICAL EFFECTS

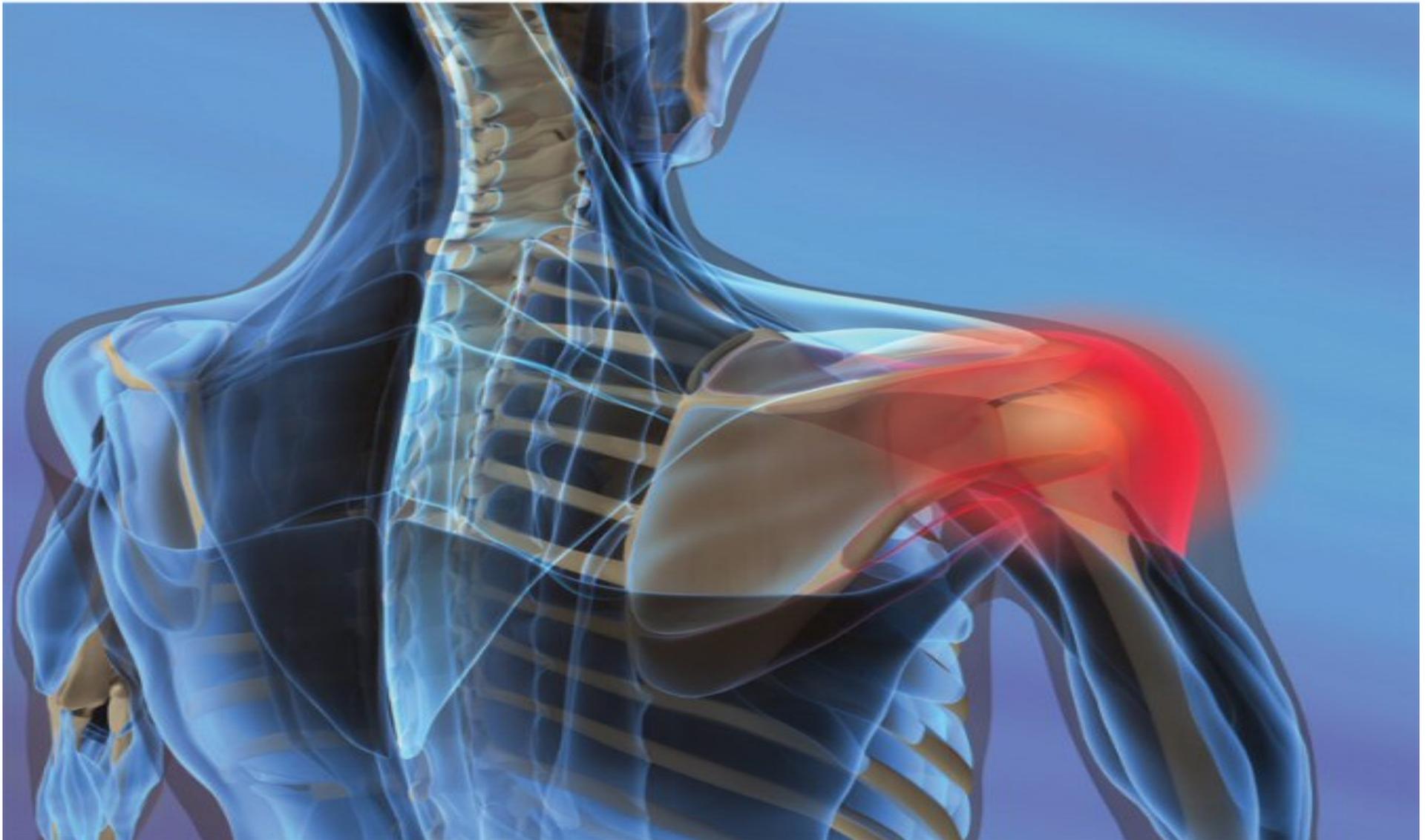
Reduced spasm | Pain Relief | Increased circulation
Improved flexibility and function | Improved healing
Reduced symptoms associated with osteoarthritis

Fred Kahn MD, FRCS(C)

LOW INTENSITY LASER THERAPY

THE NEW THERAPEUTIC DIMENSION

Volume 2



Non Invasive Procedure

Targets And Successfully Treats Most Muscle, Joint, Tendon And Nerve Pain Associated With:

**ARTHRITIS
BACK PAIN
BURSITIS
TENDINITIS
CARPAL TUNNEL SYNDROME
FIBROMYALGIA
PLANTAR FASCITIS
HEADACHES
OSTEOARTHRITIS
TMJ**

**COLD LASER THERAPY IS NOT COVERED BY INSURANCE
HOWEVER IT IS ESSENTIAL IN ASSISTING THE HEALING PROCESS**

**6-12 SESSIONS IS RECOMMENDED
EXAMINATION is \$35 AND TREATMENT is \$20 per session (one area)**

Plantar Fasciitis and Ankle Pain

We successfully treat foot and ankle pain caused by post-operative bunions, hammertoes, neuromas, fractures, arthroscopies, and ligament or tendon repairs as well as non-surgical foot and ankle problems such as strains, sprains, plantar fasciitis, and tendonitis



Plantar Fasciitis Pain

Plantar Fasciitis Anatomy



Shoulder Pain

Shoulder Pain may result from injury or may happen from overuse causing pain in the neck and shoulder and decreased range of motion.

We have an effective program for shoulder pain that includes treatment for tendonitis, bursitis, frozen shoulder, impingement, and rotator cuff strains and tears.

Our fast and affordable therapy program often provides considerable pain relief within the first week of treatment.



Knee Pain

Our program for knee pain is progressive and provides you with the results and solutions you need. We treat meniscus tears, tendonitis, ligament sprains and strains, arthritis. We also successfully treat post-operative arthroscopies, ligament repairs, and total knee replacements. We provide you with gentle, non-invasive treatment to provide you with pain relief



Ease Back Pain

We effectively treat acute and chronic pain, disabling arthritic, post-operative and pain from injuries. Many conditions take 6 to 12 treatments for substantial or complete alleviation of pain and symptoms. Chronic conditions often require more.

We successfully treat pain and other symptoms affecting mobility in neck, back, shoulders, knees, foot and ankle, jaws, all other joints. We provide gentle and effective pain relief that is all natural with no side effects or drugs. Our solutions speed the healing process and make your body less vulnerable to re-injury and the return of pain.

Lower back pain is the second most common reason for visits to the doctor's office other than the cold and flu. You don't need to live with the pain. We provide solutions that are fast and affordable.

We effectively treat many causes of back pain including: arthritis, disc problems, sprains/strains, and car accidents and traumas.



Carpal Tunnel Syndrome .. Gout Rheumatoid Arthritic Joints



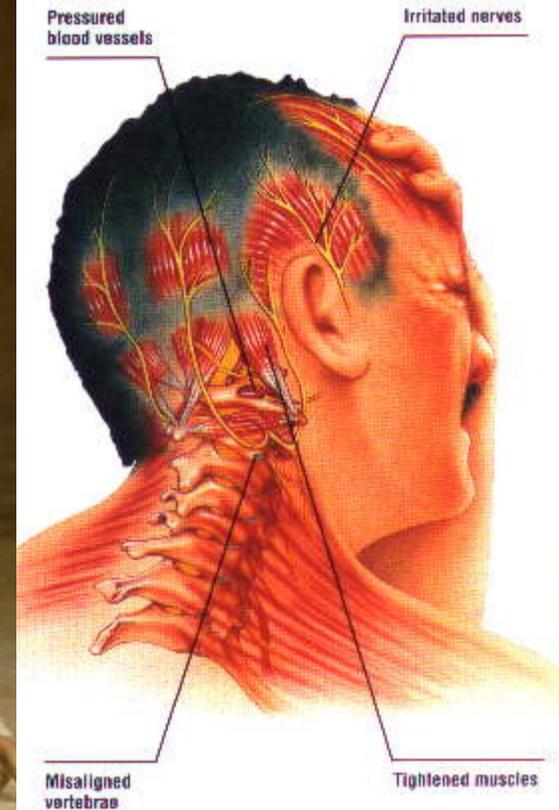
Patient's with chronic joint pain receive lasting results with Cold Laser Therapy. The ml830 laser was tested by General Motors and Baylor University receiving the first FDA approval for carpal tunnel syndrome Treatment from this research.

Joint sensitivity pain often feels better within 6-12 visits but more may be necessary if patient has suffered for sometime

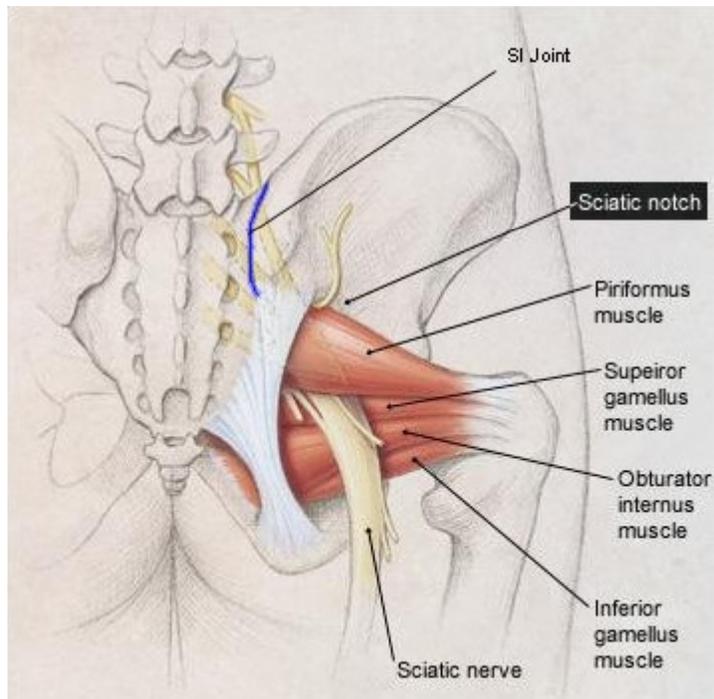


Headaches

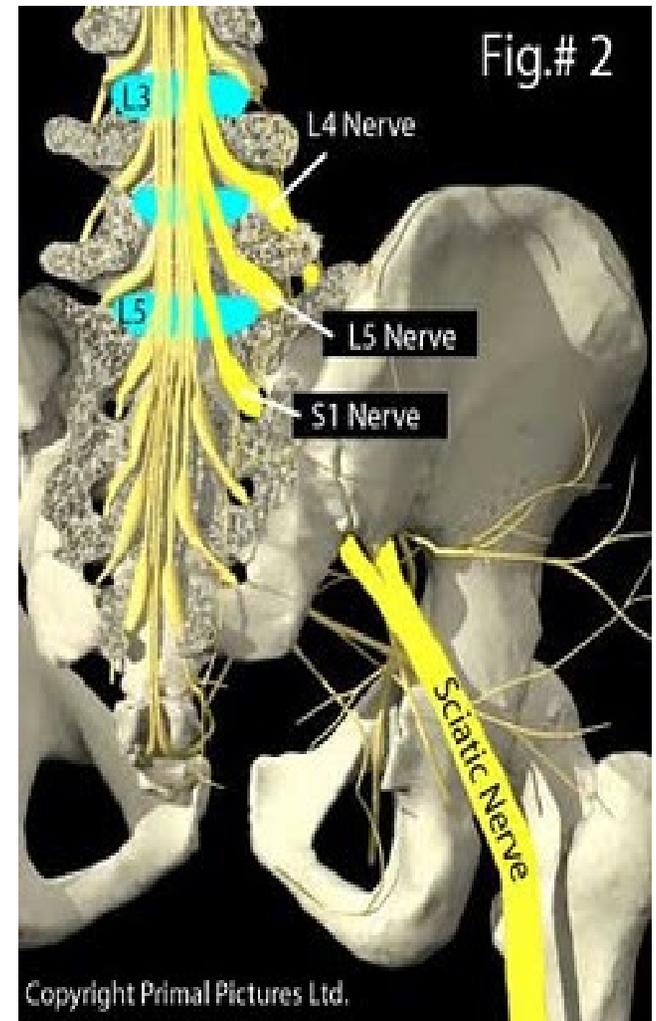
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Sciatica



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