Low Level LASER Therapy

Used for pain relief in: muscles, joints, nerves, whiplash, plantar fasciitis, wound healing, arthritis, tendonitis, fibromyalgia, TMJ, tennis elbow, golfers elbow, swelling, rotator cuff, knee foot and ankle pain

Low Level Laser Research is extensive and has been carried out for over 30 years. Laser Therapy is a regulative medical treatment modality, which is now used worldwide, mostly in medical specialties including Dermatology, Traumatology, Sports Medicine, Orthopedics, Dental Medicine, Urology, Gynecology, General Medicine, Veterinary Medicine, Physical Therapy, Natural Medicine etc...
Low Level Laser Therapy has been shown to promote the following effects:

Anti - Inflammatory effects of Cold Laser

- Enhances proliferation of immune cells (enhancement of immune response, increase of NK cell activity)
- Enhances lymphatic activity (drainage)
- Improves microcirculation (vasodilation)
- Reduces swelling (oedema & haematoma resorption)
- Reduces infarct zone size in heart & brain
- Reduces mucositis after irradiation & chemotherapy
- Postoperative wound healing- Herpes simplex& zoster
- Decubitus, elephantiasis
- Ulcus cruris, diabetic foot
- Postoperative lymphedema
- Mucositis

Analgetic (pain reduction) effects of Cold Laser

- Induces B-endorphin release
- Increases ATP production
- Increases the measurable potential on nerve cell membranes
- Relaxation of muscle tension and increase of pressure pain threshold
- Reduction of trigger activity (f.e. myofacial pain and fibromyalgia)
- Acupuncture point activation
- Tendinitis, osteoarthritis, synovitis
- Soft tissue injuries
- Fractures, overstrained injuries (Carpal Tunnel Syndrome, tennis elbow etc.)
- Frozen shoulder, tension neck, tension headache, lumbago
- Needle replacement

Regenerative effects of Cold Laser Therapy

- Stimulates the rate of mitosis in repair mechanisms (bone, epithel and muscle tissue)
- Enhances peripheral nerve regeneration after injury
- Reduces degenerative process on central nervous system
- Enhances survival of brain cells after transcient ischemia
- Accelerates neo-vascularization (neo-angiogenesis)
- Reduces or eliminates scar tissue formation
- Increases collagen synthesis (fibroblast proliferation, tensile strength and elasticity increase)
- Wound healing, bone repair
- Tissue repair
- Facial paresis
- Stroke rehabilitation
- Inner Ear problems
- Wound healing
- Wound healing, post injury
- Wound management
- Post operative etc.

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