TREATING TRAUMATIC BRAIN INJURIES

It is well known that laser therapy is helpful for all types of pain and soft tissue problems. However, one of the most exciting trends in laser therapy is the use of lasers to heal the brain, nervous system, heart, lungs, and liver. The following two studies demonstrate the value of laser therapy in treating the brain.

In the first study, patient 1 had a traumatic brain injury for 7 years following a motor vehicle accident. 500 milliwatts of Infrared light was applied directly to the patient's skull. Initially, the patient was only able to work for 20 min. on her computer. After eight weekly treatments, her ability increased to 3 hours! The patient continues to perform nightly home treatments because if she stops treatment for more than 2 weeks, she regresses.

Patient 2 had a history of traumatic brain injuries following a sports accident, a fall and military service. An MRI showed frontal lobe atrophy. Before treatment to her skull, she was on medical disability for 5 months. After 4 months of treatment, medical disability was discontinued and she returned to working full-time as an executive! After 9 months of treatment, tests showed dramatically improved brain function.

At the time of this report, both patients were continuing treatment. The scientists who performed these studies concluded that light therapy to the brain can improve cognition and reduce costs of traumatic brain injury treatment.

(Photomed Laser Surg 2010 Dec 23)

TREATING TRAUMATIC BRAIN INJURIES - STUDY 2

After an optic nerve injury, brain damage spreads from the optic nerve to other areas of the brain, making adjacent areas vulnerable to more degeneration and loss of function. In this study, the researchers showed that treatment to the skull with 670 nanometers of infrared light improved the function of the optic nerve and prevented further degeneration.

This is one of the first studies to demonstrate that infrared light applied to the skull after a traumatic brain injury can improve brain function and reduce collateral damage.

(J Neurotrauma 2010 Nov;27(11):2107-19)
SKIN DISEASE: LASER IS AS GOOD AS CORTISONE

Thirty patients with oral lichen planus, a serious chronic skin disorder, were randomly allocated into two groups. The experimental group consisted of patients treated with low level laser therapy (LLLT). This study demonstrated that LLLT was as effective as topical steroids, but without any adverse effects! They suggested that LLLT should be considered as an alternative treatment for lichen planus in the future.

(Photomed Laser Surg 2011 Jan 8)

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About the Instructor

Curtis Turchin, M.A., D.C. has a B.A. in pre-medical studies from the University of Southern California, an M. A. in Education from San Francisco State University, and a D.C. from Palmer College. He is in private practice near San Francisco using manual therapies and lasers in a practice with a physician. He has published 3 books, more than 20 journal articles, and has been extensively interviewed on radio and television. Dr. Turchin is the author of Light and Laser Therapy: Clinical Procedures, described as the authoritative text on clinical laser treatment as well as, Treating Addictions with Laser Therapy, the only book published on this subject.
21st Century Laser Therapy Courses

Fri 3/4 or Sat 3/5, Chicago, IL, for therapists and doctors
Call Joanne: 847-521-2276  www.acopm.org

March date TBA, Denver, CO
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- Decompression, Laser and Mobilization Certification teaches doctors and therapists how to use modern, low cost Decompression tables to regenerate herniated disks with laser, traction and Dynamic Mobilization. Classes are sponsored by both chiropractic and physical therapy organizations.
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Thank you!

I will try to bring you unbiased, evidence based information on a regular basis to help you understand this new and exciting modality. If you would like to see any particular topics or have any comments or suggestions, please email me, Curtis Turchin, MA, DC at: dr.turchin@yahoo.com (yes, that is dr dot turchin @ yahoo.com)

Sincerely,

Dr. Curtis Turchin

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