14.2 Alphabetical register of references


Atsumi K et al. Biostimulation effect of low-power energy diode laser for pain relief. Lasers in Surgery and Medicine. 1987; 7: 77-.


Berki T, Németh, Hegedüs J. Effect of low-power continuous-wave HeNe laser irradiation on in vitro cultured lymphatic cell lines and macrophages. Stud Biophys. 1985; 105: 141-
Alphabetical register of references


Bjorne A, Agerberg G. Reduction in sick leave and costs to society of patients with Ménière’s disease after treatment of temporomandibular and cervical spine disorders: A controlled 6-year cost-benefit study. Accepted for publication 2002.


Bolton P, Young S, Dyson M. Macrophage responsiveness to light therapy with varying power and energy densities. Laser Therapy. 1991; 3 (3): 105-112.


Darre E M et al. [Laser treatment of achilles tendonitis]. Ugeskr Læger. 1994; 156 (45): 6680-6683. (in Danish)

Alphabetical register of references


de Assis Limeira F. Assessment of bone repair following the use of anorganic bone graft and membrane, associated or not to 830 nm laser light. In: Proc. 3rd NOA Congress, Sao Paulo, Brazil, June 25-26 2002.


Filho W, Nogueira T et al. Effects of irradiation with a HeNe laser on the healing of the hard tissue. Surgical and Medical Lasers. 1989; 2-3 (2): 71-.


Alphabetical register of references


Gao, Yun-Qing; Liu, Song-Hao; Zhang, You; Liu, T. C. 367 cases of CO2 laser therapy on facial acne. Proc. SPIE. 1996; Vol 2887: 60-62. (Lasers in Medicine and Dentistry: Diagnostics and Treatment)


Gasparian L. Low level laser therapy of male genital tract chronic inflammations. Proc. 2nd Congress World Association for Laser Therapy, Kansas City, USA, September 2-5 1998; p. 82-83.


Hachenberger I. Laserstrahlen bei Herpeserkrankungen. Ärztliche Kosmetologie. 1981; 11: 142-.


Hedner E. [Herpes simplex virus type 1 and intraoral wound healing]. J of the S D A, 1994, 1: 8-10. (in Swedish)


Hubacek J, Olomouc CZ. Experience with the use of laser therapy in ENT medicine. Laser Partner No 22. December 19, 2001


Iakovleva NE, Liapina LA, Novoderzhkina IS et al. [The effect of low-intensity laser radiation on the parameters of the blood anticoagulation system in the early postresuscitation period]. Anesteziol Reanimatol. 1997; (4): 36-8


Kapinosov I K et al. Reaction of lymphoid organs to laser radiation with different pulsation rates. Proc. SPIE. 1996; Vol 2678: 530-533. (Optical Diagnostics of Living Cells and Biofluids)


Karu T. Mechanism of interaction of monochromatic visible light with cells. Proc. SPIE. 1995; Vol 2630: 10-


Kats A et al. [Laser therapy in fracture of the mandible]. Vestn Kir. 1986; 136: 93 (in Russian with English abstract)


King P.  Low Level Laser Therapy: A Review. Lasers in Medical Science. 1989; 4: 141-.


Konchugova T V et al. The enhancement of immune suppression by local laser irradiation in rats exposed to cyclophosphane. Eksp Klin Farm. 1993; 56 (2): 42-.


Korochkin I M et al. [Clinico-biochemical parallels against background of traditional treatment and laser therapy of patients with ischemic heart disease]. Ter Arkh. 1988; 60 (12): 40-44.


Kurumada F A study on the application of Ga-As semiconductor laser to endodontics. The effects of laser irradiation on the activation of inflammatory cells and the vital pulpotomy. Ohu Daigaku Shigakushii. 1990; 17 (3) :233-244.


Leonid Reznikov, Personal communication, Dec 1998.


Loginov A S, Sokolova G N, Sokolova S V et al. [The content of biologically active substances in the margin of a stomach ulcer being treated with a copper-vapor laser]. Ter Arkh. 1991; 63 (8): 75-78. (in Russian)


Lomnitski I, Bibiashevski E V. Substantiation of the optimal exposure to monochromatic red light for stimulating osteogenesis. Stomatologiia (Rus). 1982; 2 (61):14-.


Lopez V J. El láser en el tratamiento de las disfunciones de ATM. Revista de Actualidad de Odontoestomatologica Española. 1986; (Jun): 35-.


Alphabetical register of references


Manne J. Le laser arséniure de gallium 6 watts, étude clinique en odonto-stomatologie. Le Chirurgien Dent de France 1985; 284: 15-.


Mester E. et al. Auswirkungen direkter Laserbestrahlung auf menschliche Lymphozyten. Arch Dermatol Res. 1978; 5: 31-


Midamba E D, Haanaes H R. Low reactive-level 830 nm GaAlAs diode laser therapy (laser therapy) successfully accelerates regeneration of peripheral nerves in human. Laser Therapy, 1995; 5 (3): 125-130.


Alphabetical register of references


Nissen L R et al. [Low-energy laser therapy in medial tibial stress syndrome]. Ugeskr Laeger. 1994; 156 (49): 7329-7331. (in Danish)


Obata J et al. The pain relief of low energy laser irradiation on rheumatoid arthritis. Pain Clin. 1987; 8: 18-


Omura Y, Losco B M, Omura A K et al. Common factors contributing to intractable pain and medical problems with sufficient drug uptake in areas to be treated, and their pathologies and treatment. Acupunct Electrother Res. 1992; 17 (2): 107-

Onac I et al. Histological study regarding the effects of HeNe (632.8 nm) laser biostimulation upon the tegument of Cavia Cobaia as compared with that of monochromatic red light (618 nm). Proc. 2nd Congress World Assn for Laser Therapy, Kansas City, September 1998; p. 52-53.


Otsuka K et al. Low reactive level laser therapy near the stellate ganglion for postherpetic facial pain. Jpn J Anaesthes. 1991; 41: 1809-1813. in Japanese with abstract in English)

Oudoff HAF; van der Kuiji P. Inquiry about the application of low reactive level laser therapy in dental clinics in The Netherlands. Laser Therapy. 1996; 8 (1): 42. (abstract)


Alphabetical register of references


Pöntinen P et al. Comparative effects of exposure to different light sources (He-Ne laser, InGaAl diode laser, a specific type of noncoherent LED) on skin blood flow for the head. Acupunct Electrother Res. 1996; 21 (2): 105-118.


Pyczek M, Sopala M, Dabrowski Z. Effect of low-energy laser power on the bone marrow of the rat. Folia Biol (Krakow) 1994; 42 (3-4): 151-156


Alphabetical register of references


Saperia D et al. Demonstration of elevated type I and type III laser. Biochem and Biophys Res Commun. 1986; 138: 3-.


Sasaki K et al. Low level laser therapy (laser therapy) for thromboangitis obliterans. Proc. 2nd Congress World Association for Laser Therapy, Kansas City, USA, September 2-5 1998; p 95-96.


Alphabetical register of references


Shiomi Y et al. [Effect of low power laser irradiation on innear ear.] Pract Otol (Kyoto). 1994; 87: 1135-1140 (in Japanese)


Shuvalova IN, Klimenko IT, Zhukova LP et al. [The effect of low-intensity laser radiation in the infrared and red ranges on arterial pressure regulation in patients with borderline hypertension.] Lik Sprava. 1998; (7): 141-143.


Simunovic Z. Curing stomatological and maxillo-facial diseases with MID laser therapy. QLT. 1984: 1-


Skobelkin O K et al. [Use of lasers in the treatment of acute suppurrative lactation mastitis]. Vestn Khir Im I I Grek. 1988; 141 (9): 46-49.


Trelles M, Mayayo E. Mast cells are implicated in low power laser effect on tissue. A preliminary study. Lasers in Medical Science. 1992; 7: 73-.


Vélez-Gonzalez M et al. Treatment of relapse in Herpes Simplex on labial & facial areas and of primary herpes simplex on genital areas and "area pudenda" with low power laser (HeNe) or Acycloviradministered orally. Proc SPIE. 1995; Vol 2630: 43-50.


Alphabetical register of references


Walter Wintsch, Switzerland, personal communication


Alphabetical register of references

Wu XB. 100 cases of facial paralysis treated with He-Ne laser irradiation on acupoints. J Tradit Chin Med 1990; 10 (4) :300-301.


Zhou, Chuannong; Song, Xuyan; Deng, Jinsheng; Liang, Junlin; Zhang, Hua; Huang, Wenjia; Liu, Tao; Ha, Xian-Wen  Photodynamic effect of copper-vapor pumped-dye laser, HeNe laser, and noncoherent red light to the liver in normal mice. Proc. SPIE. 1993; Vol 1616: 239-245. (International Conference on Photodynamic Therapy and Laser Medicine, Jun-Heng Li; Ed.)

14.3 Abbreviations
Abbreviations used in this book are explained but not everywhere you meet them in the text. The following is a list of some of these abbreviations.

ASA       Acetylsalicylic Acid
ATP       Adenosine Triphosphate
BMP       Bone Morphogenetic Protein
CL        Chemiluminescence
CO₂       Carbon Dioxide
CTS       Carpal Tunnel Syndrome
CW        Continuous Wave
DNA       Deoxyribonucleic Acid
ED        Energy Density
EDL       Emitted Defocused Laser-Light
EMG       Electromyogram
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT</td>
<td>Ear-Nose-Throat</td>
</tr>
<tr>
<td>Er:YAG</td>
<td>Erbium Yttrium-Aluminium-Garnet</td>
</tr>
<tr>
<td>FCS</td>
<td>Fetal Calf Serum</td>
</tr>
<tr>
<td>FDA</td>
<td>Food and Drug Administration</td>
</tr>
<tr>
<td>GaAlAs</td>
<td>Gallium Aluminium Arsineide</td>
</tr>
<tr>
<td>GaAs</td>
<td>Gallium Arsineide</td>
</tr>
<tr>
<td>Gy</td>
<td>Gray</td>
</tr>
<tr>
<td>HeNe</td>
<td>Helium Neon</td>
</tr>
<tr>
<td>Ho:YAG</td>
<td>Holmium Yttrium-Aluminium-Garnet</td>
</tr>
<tr>
<td>HSV</td>
<td>Herpes Simplex Virus</td>
</tr>
<tr>
<td>IL</td>
<td>Interleukin</td>
</tr>
<tr>
<td>InGaAlP</td>
<td>Indium Gallium Aluminium Phosphide</td>
</tr>
<tr>
<td>IR</td>
<td>Infra Red</td>
</tr>
<tr>
<td>IRB</td>
<td>Institutional Review Board</td>
</tr>
<tr>
<td>KTP</td>
<td>Potassium (Kalium) Titanyle Phosphide</td>
</tr>
<tr>
<td>LED</td>
<td>Light Emitting Diode</td>
</tr>
<tr>
<td>MRI</td>
<td>Magnetic Resonance Imaging</td>
</tr>
<tr>
<td>Nd:YAG</td>
<td>Neodymium Yttrium-Aluminium-Garnet</td>
</tr>
<tr>
<td>NMRI</td>
<td>Nuclear Magnetic Resonance Imaging</td>
</tr>
<tr>
<td>NO</td>
<td>Nitric Oxide</td>
</tr>
<tr>
<td>NSAID</td>
<td>Non-Steroidal Anti-Inflammatory Drug</td>
</tr>
<tr>
<td>OA</td>
<td>Osteoarthritis</td>
</tr>
<tr>
<td>PD</td>
<td>Power Density</td>
</tr>
<tr>
<td>PDT</td>
<td>Photodynamic Therapy</td>
</tr>
<tr>
<td>PGE</td>
<td>Prostaglandine E</td>
</tr>
<tr>
<td>PHN</td>
<td>Postherpetic Neuralgia</td>
</tr>
<tr>
<td>RA</td>
<td>Rheumatic Arthritis</td>
</tr>
<tr>
<td>RNA</td>
<td>Ribonucleic Acid</td>
</tr>
<tr>
<td>ROM</td>
<td>Range Of Movement</td>
</tr>
<tr>
<td>SEM</td>
<td>Sweep Electron Microscopy</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>SOD</td>
<td>Super Oxide Dismutase</td>
</tr>
<tr>
<td>SPIE</td>
<td>The International Society for Optical Engineering</td>
</tr>
<tr>
<td>TBO</td>
<td>Toluidine Blue</td>
</tr>
<tr>
<td>TMD</td>
<td>Temporo Mandibular Disorders</td>
</tr>
<tr>
<td>TMJ</td>
<td>Temporomandibular joint</td>
</tr>
<tr>
<td>TMR</td>
<td>Transmyocardial Revascularisation</td>
</tr>
<tr>
<td>VAS</td>
<td>Visual Analogue Scale</td>
</tr>
<tr>
<td>YAG</td>
<td>Yttrium Aluminium Garnet</td>
</tr>
</tbody>
</table>