Abstract:
Light in its various forms has been used for healing from the time of the ancient Egyptian and Greek civilizations. With recent advances in the engineering of devices and the development of appropriate protocols for effective therapeutic application of light, dramatic benefits and treatment of many complex medical conditions are now achievable. ...
Low-level laser therapy (LLLT) is a form of medicine that applies low-level (low-power) lasers or light-emitting diodes (LEDs) to the surface of the body. Whereas high-power lasers are used in laser medicine to cut or destroy tissue, it is claimed that application of low-power lasers relieves pain or stimulates and enhances cell function. The effects of LLLT appear to be limited to a specified set of wavelengths, and administering LLLT below the dose range does not appear to be effective. Basics, science and clinical applications of laserneedle acupuncture. Weberinstitute for research and lasertherapy, Lauenförde & Göttingen, Germany. Topics. • Basics of laser physics and fiberoptic laser application • Scientific data about laserneedle acupuncture • Treatment examples and protocols • Body, ear and skull acupuncture with laserneedles • Acupuncture effects on stem cells • Interstitial and intraarticular laser therapy • Laserstimulated PRP and stem cells • Intravenous laser therapy • Photodynamic therapy in oncology • Wrist acupuncture with the new laser watch T. Karu, Low-Power Laser Therapy. Modern new Laser-Needle system for external laser therapy (acupuncture). Modern new Laser-Needle system for external laser therapy (acupuncture). LASER THERAPY [Low Intensity Laser Therapy – LILT : Low Level Laser Therapy – LLLT]. The term LASER is an acronym for the Light Amplification by Stimulated Emission of Radiation. Therapy Lasers have several common characteristics which are summarised below. Terms: Therapy lasers tend to fall into a particular category of laser light known as 3A or 3B & are often referred to as ‘soft laser’ or ‘mid laser’ sources. More recently, the terms Low Level Laser Therapy (LLLT) and Low Intensity Laser Therapy (LILT) have been adopted. The recent research, both laboratory based & clinical trials, is found to concentrate on a few key areas. Most dominant amongst these are wound healing, inflammatory arthropathies, soft tissue injury and the relief of pain.