Naeser Laser Acupuncture to Treat Paralysis in Stroke


The laser device, the laser parameters, and the acupuncture points used are provided below. For additional information, see the above-listed article, and more references on the next page.

The chronic stroke patients were treated 2 – 3 times per week, for 3 or 4 months. If they were good candidates (paralysis not too severe), there was improvement of around 15% on isolated active range of motion for knee flexion, knee extension and/or shoulder abduction. Patients with problems controlling food or liquids in the mouth, may also benefit, if points on the face are treated with laser acupuncture, ST 4, 5, 6, 7; LI 20, SI 18; Joules per cm2 may vary, from 5 - 50 J/cm2, the necessary energy density dosage per point, is uncertain.

**Laser Parameters used in the above research paper:**

**Laser:**
20 mW Gallium Aluminum Arsenide, (780 nm), near infrared, CW, diode laser (Unilaser, Denmark), with 1 mm diameter aperture.

**Treatment Parameters and Energy Density Dosages:**

20 Sec. On shallow acupuncture points (hands and face) 51 J/cm²

40 Sec. On deeper acupuncture points (arms and legs) 103 J/cm²

**Acupuncture Points used in the above research paper:**

**Paralyzed Arm:**
LI 4, 11, 15
TW 5, 9
Three distal Baxie points in web-spaces between fingers

**Paralyzed Leg:**
ST 31, 36
GB 34, 39
LIV 3

**Non-Paralyzed Arm and Leg:**
LI 4
ST 36

**Side of Facial Paralysis:**
ST 4, 6, 7
LI 20
SI 18
Additional References


Books
