

LASER

PHOTOBIOSTIMULATION



TMJ disorders can produce a huge variety of symptoms depending on the patient. For some patients, TMJ results in mild pain and slight impairment in jaw function. For others, it can be severe pain and impairment. The majority of facial pain actually stems from TMJ disorders as the pain can radiate outward to the neck and affecting muscles and ligaments in the face. Often patients suffer from frequent headaches caused by inflammation of the muscles that are used to open and close the mouth.

Laser treatment uses light photons (energy) to penetrate deep into the tissues surrounding the temporomandibular joint as well as the joint itself. Laser energy decreases inflammation deep in the tissues that produces almost immediate relief. It also stimulates healing.

Initially, laser treatment reduces inflammation and enhances tissue healing by stimulating the production of more red blood cells in the area. Laser therapy also increases lymphatic movement and increases oxygenation of the damaged tissues which in turn cause them to regenerate healthy cells. Another reason to have laser treatment of TMJ is that laser energy stimulates an enzyme present in all cells to produce more energy which in turn speeds up the healing process.