

**Effect of Laser Irradiation in the Management of Temporomandibular Joint disorders**

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**ABSTRACT**

During the last decade, dramatic advances have been made in understanding the cause of facial pain related to temporomandibular joint (TMJ) disorders. Technical breakthroughs in MRI, arthroscopy, arthrography and X-ray have enhanced the Clinicians ability to diagnose distinct intracapsular TMJ changes associated with facial pain and jaw dysfunction. Treatment of facial pain is also complicated by interrelationship of TMJ Disorders. This study aims in reducing pain and improving ROM of TM joint through Laser therapy. The finding of the present study may be helpful to the physiotherapist to work more on the facial pain. To investigate the pain reducing effect of laser therapy in TMJ disorders and also to find out the improvement in ROM of temporomandibular joint. TMJ subjects with functional and derangement causes were selected for this study. Before and after 10 sessions of treatment VAS and active mouth opening was used as the outcome measures. Laser therapy proves to be very effective in reducing pain and improving ROM in patients with TMJ Disorders.