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The Comparative Study of Tonicity of Masticatory Muscles in Dentulous and Edentulous Patients (Before and After the Use of Complete Dentures) Using Electrical Muscle Stimulator- An Invivo Study

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ABSTRACT:

Introduction: One of the important structure involved in dental treatment is the neuromuscular system. Muscles of mastication undergo atrophy when the oral cavity remains edentulous for a long period of time. Older adults with inactive mastication activity lose as much as 3-5% of muscle mass with increasing age. **Aim:** To assess the muscle tone of edentulous patients aged 50 and above of both gender before, during and after denture insertion and compare it with completely dentulous patients of same group. **Materials and Methods:** Electrical muscle stimulator also known as neuromuscular electrical stimulator (NMES) is the elicitation of the muscle contraction using electric impulses. It has two parts, namely Galvanic and Faradic which calculates the intensity of muscle tonicity and surge of the muscle respectively. The pen electrode is placed over the individual muscles and the duration is set on the EMS. **Case Selection:** Patients above 50 years of both gender. Patients without any medical complication. Philosophical patient.

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