

TMJ ankylosis. Anatomical risk and piezoelectric system potentiality [Anquilosis de ATM. Riesgos anatómicos y potencialidad del sistema piezoeléctrico]

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Unibazo A.

Almeida A.

The aim of this report is to present the anatomical risk for to treat the temporo mandibular joint (TMJ) ankylosis and the use of the piezoelectric system for to make the bone resection. Female patient, 12 years old, presented a right TMJ ankylosis, that was previously operated with a costochondral graft reconstruction. After 4 year from these reconstructive surgery the patient was involved in a new TMJ ankylosis of the same side showing a bone mass with 31mm in an meddle-lateral direction, with compromise until to oval foramen in the skull base and 28mm in the anterior-posterior direction. The lesion was operated by a preauricular approach and then a bone resection with the piezoelectric system, using a block resection technique. In this report it's present the technique and is discusses the potentiality of the new piezoelectric system for these procedures.

Osteotomy

Piezoelectric system

TMJ ankylosis