

Craneomaxillofacial osteotomy with ultrasonic system. treatment option and initial experience [Osteotomías craneomaxilofaciales con sistemas ultrasónicos]

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Ultrasonic system has revolutionized the surgical technique in maxillofacial surgery; they work with a cavitation phenomenon being able to perform osteotomies without damaging on nervous, muscular and vascular tissues or any soft tissue. This condition provides security to the variety of surgery with bone cut close to vessel or important nerves how the condilectomy technique of the mandibular condyle, mandibular osteotomy close to the alveolar nerve, orbital osteotomy and others. This paper present contemporary information about the use in craniofacial surgery and the initial experience of the authors using this system. We conclude that the osteotomy with ultrasonic system can be optimized the surgery with slight increase of surgical time decreasing bleeding and risk to the injury to the soft tissie; is possible beleave that this kind of instrument can be used in any surgery with bone cut necessity.

Maxillofacial surgery

Osteotomy

Ultrasonic