

## **Abstract**

### **Analgesia and functionality post physiotherapy intervention in patients with radical neck dissection and retail unilateral chest - Case report**

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Background: This study reports the case of a male patient, 56, after resection of tonsil cancer with radical right cervical emptying (D) and reconstruction with retail chest D. In physical therapy appraisal, seven months after the surgery, had frozen shoulder, changing the surface, thermal and pain sensitivity, pain grade 8, visual analog scale, where 10 is the worst pain possible. Methods: We applied transcutaneous electrical stimulation (TENS) brand FES HTM portable, in burst mode for 20 minutes near the shoulder D and distant sensitivity switching area, once per week, and is oriented to the use of warm compresses for 20 minutes on the trapeze region right, followed by extension exercises, flexion and shoulder abduction, with sets of 10 repetitions each, 3 times a day. Results: After the fifth application of TENS associated with the performance of thermal compress guidelines and exercises, patient reported improvement to grade 2 pain, with significant increase of the amplitude of the right shoulder movement and recovery of autonomy in daily life activities, and move around through public transport and work activities (automotive mechanic), thus remaining in long-term monitoring. The multimodal physiotherapy intervention with the use of TENS associated with thermal compress and mobilization exercises restored in the short term functionality.