

Free running electromyography

Significantly higher Free running electromyography (frEMG) activity was observed following saline injection than for the other solutions ($p < 0.01$). For frEMG activity ratios of $\geq 50\%$, there was a trend towards a greater likelihood of persistent AMRs. When frEMG activity decreased after MVD in the mentalis muscles, FMEP amplitude ratios were significantly smaller than when it did not (65 vs. 94 %, $p < 0.05$).

Changes in intraoperative frEMG, AMRs, and FMEPs likely reflect a component of the normalization of hyper-excitability of the facial nerve by MVD for HFS ¹⁾.

¹⁾

Fukuda M, Takao T, Hiraishi T, Fujii Y. Free-running EMG monitoring during microvascular decompression for hemifacial spasm. *Acta Neurochir (Wien)*. 2015 Jul 5. [Epub ahead of print] PubMed PMID: 26143309.

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