

論文審査の結果の要旨

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(論文審査の結果の要旨)			
<p>Despite advancements in surgical techniques for the surgery of pontine cavernous malformation, there are still risks of injury to the cranial nerves, especially the facial nerve. Facial motor evoked potential (FMEP) was introduced to monitor facial motor function intraoperatively, although there were issues such as difficulty of stimulation and interpretation of results. There was also lack of data regarding the usefulness of FMEP for pontine cavernous malformation surgery.</p> <p>In this study, 10 patients underwent surgery for pontine cavernous malformation from 2008 to 2017 in Shinshu University Hospital. Six patients were operated on using the suprafacial triangle approach, and four patients were operated on using the infrafacial triangle approach. FMEP was stimulated with a cranial peg-screw electrode and monitored from the ipsilateral face with threshold-level monitoring method.</p> <p>In conclusion:</p> <ol style="list-style-type: none">1. FMEP was successfully recorded in all patients who underwent the suprafacial triangle approach. However, it could not be recorded in 2 patients who underwent the suprafacial triangle approach due to severe preoperative facial palsy.2. FMEP was transiently attenuated in all 6 patients who underwent the suprafacial triangle approach and stable in 2 patients who underwent the infrafacial approach.3. There was no deterioration of postoperative facial motor function in all patients. <p>Based on these results, this FMEP is useful to monitor facial nerve function during surgery of pontine cavernous malformation, especially in the suprafacial approach.</p> <p>The chief and sub-investigators concurred and acknowledged this paper as worthy as a thesis.</p> <p>これらの結果より、この FMEP モニタリング方法は、特に suprafacial triangle approach において、橋海綿状血管腫の手術中に顔面神経機能をモニタリングするのに有用と思われた。</p> <p>主査、副査は一致して本論文を学位論文として価値があるものと認めた。</p>			