Recording the rate of the cranial rhythmic impulse.

Nelson KE, Sergueef N, Glonek T.

Department of Osteopathic Manipulative Medicine, Midwestern University/Chicago College of Osteopathic Medicine, 555 31st St, Downers Grove, IL 60515-1235, USA.

Abstract

The rate of the cranial rhythmic impulse can be obtained by both palpation and instrumentation. However, the literature has reported higher rates obtained by instrumentation compared with palpation. The cranial rhythmic impulse has been demonstrated to be synchronous with the Traube-Hering oscillation, measured in blood flow velocity. The current study demonstrates that physicians tend to palpate the cranial rhythmic impulse and Traube-Hering oscillation in a 1:2 ratio. This finding provides an explanation for the difference between palpated and instrumentally recorded rates for the cranial rhythmic impulse.