ONLINE ISSN : 1880-3997
PRINT ISSN : 0917-2394

Pediatric Dental Journal
Vol. 16 (2006) , No. 1 pp.11-16

[PDF (111K)] [References]

CNP is affected by the chewing strength
—Pattern of the appearance of masticatory masseter electric discharge—

Masafumi Yoshida[1)], Atsushi Uchida[2)] and Taketo Yamaguchi[3)]

1) Department of Pediatric Dentistry, Nihon University, School of Dentistry
2) Department of Dentistry, Saitama Prefecture Ranzango
3) Department of Dentistry, Saitama Prefecture Kaikoen

(Received on July 7, 2005)
(Accepted on February 6, 2006)

Abstract To determine whether cortical negative potential (hereafter referred to as CNP), which was recorded from the scalp (sites: T3, CZ and T4), preceding the right-side chewing, is affected by the pattern of the appearance of masseter electric discharge, difference of strong and weak chewing with CNP appearance were compared. In the case of strong chewing, CNP appeared early, and its amplitude increased as compared with the results in the case of weak chewing. From this result, we related that CNP amplitude is related to the chewing output.

Key words Chewing motion, Cortical negative potential, Electromyogram

[PDF (111K)] [References]

Download Meta of Article[Help]
RIS
BibTeX

To cite this article:
Masafumi Yoshida, Atsushi Uchida and Taketo Yamaguchi: CNP is affected by the chewing strength . *Ped Dent J* **16**: 11-16, 2006 .

JOI JST.JSTAGE/pdj/16.11