Application of acoustic reflex combines with pure tone audiometry test in test of sudden deafness

ZHANG Wen-yuan, CAI Yong-ming, YIN Ya-lei, JIANG Cui-ju, LI Jing-qing, YAO Mei-xiang
(Otolaryngological Department, Shenzhen Shajing Hospital Affiliated to Guangzhou Medical University, Shenzhen 518104, China)

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[Author]: ZHANG Wen-yuan, Male, Guangdong, Attending Physician, M. B., Tel: 13714287687, E-mail: zhangwenyuan338@163.com.

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To discuss the application acoustic reflex combines with pure tone audiometry test in test of sudden deafness. Methods: A total of 120 cases (240 ears) with sudden deafness from January 2009 to December 2013 in our hospital were selected, and given with conventional treatment, with 14 d as a course. All patients were given with pure tone audiometry and otoacoustic emission inspection of pure tone hearing threshold test before treatment. The listening ability of pure tone hearing threshold test was performed before treatment and after treatment for 3 days, 1 week, 10 days and 2 weeks, to evaluate the value in the treatment through the ear acoustic reflection pass rate before and after treatment at the same time. Results: Auditory threshold test results of research group 3 days, 1 week, 10 days after treatment and 2 weeks of were significantly lower than before the time node, \( P<0.05 \). The comparison in the research group of 3 days after treatment and before treatment, after treatment 1 week and 3 days, after treatment 10 days and 1 week and after treatment 2 week and 10 days, the differences all had statistically significant \( P<0.05 \). Conclusion: Otoacoustic reflex can quickly and fully reflect the cochlear hearing function; it can effectively treat clinical treatment, by otoacoustic emission test joint pure tone audiometry evaluation sudden deafness treatments to further enhance the level of efficacy, and it has a more far-reaching significance.

[KEY WORDS] Acoustic reflex; Pure tone audiometry; Sudden hearing loss