

Ocena skuteczności testu przesiewowego „Słyszę” na podstawie wyników badań skryningowych słuchu u dzieci na Śląsku w 2002 roku

The evaluation of efficiency of the "Słyszę" screening test on the base of the results of hearing examinations in schoolchildren in Silesia in 2002 year

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Summary

Introduction. The measure of efficiency of screening test is specificity and sensitivity. The validation of the screening test by using Program "Słyszę" in Silesia in year 2002 was done. **Material and methods.** The Program consisted of two parts: 1. The screening test in schools: a) pure-tone test, b) speech audiometry in noise, and 2. Audiometric verifying of "positive results" of the test. 8885 children were tested in Silesia in 2002. 919 schoolchildren (10,3%) had "positive results". 465 pupils reported to a verifying examination. The hearing loss was confirmed in 191 children. 6 months after the end of Program the control audiometric examinations to validate the Program "Słyszę" were done in 100 children, who gained "negative results" in screening test. **Results.** Program "Słyszę" had a high specificity - 0,93, sensitivity - 0,70, ability to identify - 0,92. A positive predictive value was - 0,40, and negative predictive value was - 0,98.