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## MISMATCH NEGATIVITY IN CHILDREN

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The Mismatch Negativity (MMN) evaluation is a promising procedure to assess objectively the ability of auditory discrimination. The objective was to characterize the latency and amplitude values of MMN in children with normal auditory thresholds. Children between 5 and 11 years old participated in the present study. All participants underwent acoustic immittance measurements and tonal and vocal audiometry. The MMN was recorded with the MASBE ATC Plus system (Contronic, Pelotas, RS and Brazil). The frequent stimulus was 1,000 Hz and the rare stimulus was 2,000 Hz in 80 dBHL. The stimuli were presented in both ears separately. Results for the female group are the mean latencies and amplitude of MMN were 177.3ms and 5.01 $\mu$ V in the right ear (RE) and 182.4ms and 5.39 $\mu$ V in the left ear (LE). In the male group, the mean latencies were 194.4ms in the RE and 183.6ms in the LE, with an amplitude of 5.11 $\mu$ V in the RE and 5.83 $\mu$ V in the LE. There was no statistically significant difference between ears ( $p=0.867$  latency and  $p=0.178$  - amplitude), age ( $p > 0.20$ ) and the gender of the participants ( $p > 0.05$ ). The findings are known in national and international literature.



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