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Challenges of comparability of SNR measurements in hearing system research

Signal-to-noise ratio (SNR) measurement plays a crucial role in the evaluation of auditory system functions. However, in scientific practice, there are considerable differences in the study methods used, including variations in test setups, signal sources and environmental conditions. As a result, measurement results from different studies are often not directly comparable, making interpretation and application of the results difficult.in this presentation, we analyse the range of existing measurement approaches and their impact on the assessment of auditory system functions. Using selected study examples, we show how different test conditions can lead to divergent results. Finally, we discuss possible approaches to improve comparability and provide impulses for a more standardised methodology in the future.