

Technical verification through Real-Ear measurements

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The goal of hearing aid fittings is to provide gain and output settings that provide optimization of speech intelligibility, sound quality and listening comfort. Research evidence shows that there are several validated prescriptive fitting approaches which are successful. To verify that these desired prescriptive fitting targets have been obtained, it is necessary to measure the output of the hearing aid in earcanal SPL at the time of the fitting. This session will review the various techniques that can be used with probe-microphone measures, and how these measures are used for verification, with an emphasis on the advantages of using real speech as the input signal. Discussion also will include the verification of open-canal hearing instruments.