Distortion-product otoacoustic emissions: body position effects with simultaneous presentation of tone pairs

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Technical Note

On the GSI-60, the clinician or researcher can create a simultaneous protocol using the DP Stimulus option by i) selecting up to four octaves between 500 and 8000 Hz, ii) checking the simultaneous box, and iii) specifying how many points per octave to test. Two, the clinician can create a simultaneous protocol using the Custom DP stimulus option by i) checking the simultaneous box and ii) manually-entering in the parameters for F1, L1, F2, and L2 for up to 16 possible tone pairs. However, when the simultaneous box is checked in the “Custom DP Stimulus” option, the software will only present a set of up to four tone pairs at a time. Fortunately, the clinician can see the demarcations for each set within the setup and must pre-plan what tone pairs to include in each set. It is believed that Kim et al.\(^5\) and Schairer et al.\(^6\) used the Custom DP Stimulus option to create two separate protocols for each set of three tone pairs. Beattie\(^3\) only collected data for one set of three tone pairs, but likely used the same software option. Kastanioudakis et al.\(^4\) on the other hand, collected data for 11 tone pairs using two sets of four tone pairs and one set of three tone pairs. Though speculative, it appears that these authors created a single Custom DP Stimulus protocol so that their 11 tone pairs would be presented in a simultaneous, but sequential fashion within the same run.