

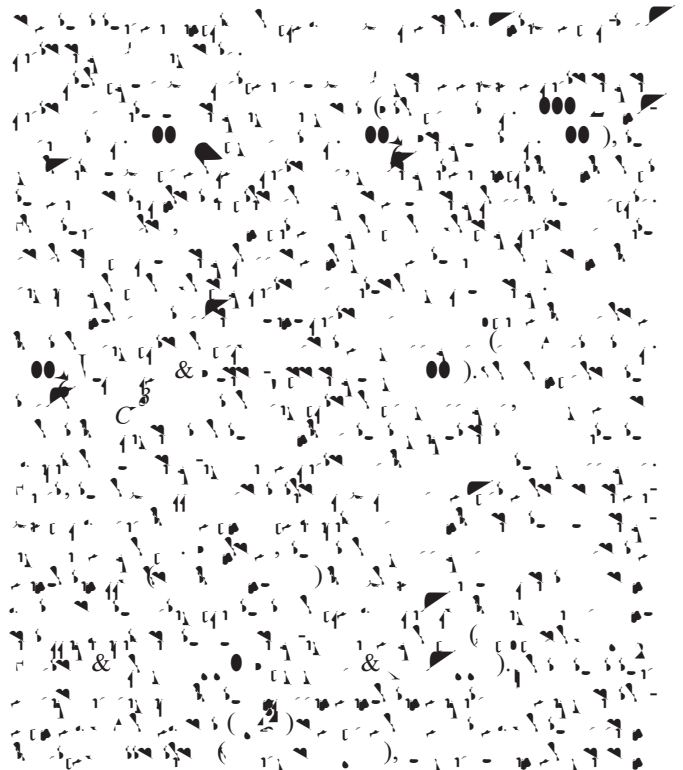
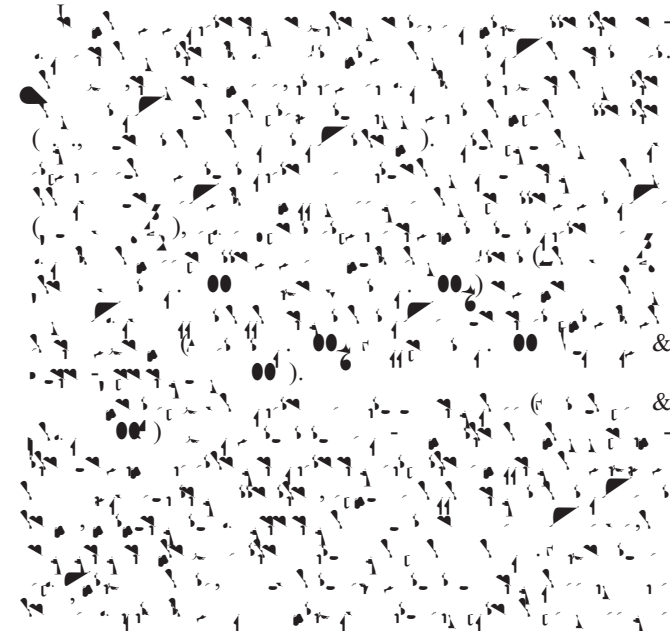
the benefits of rehabilitation in realistic listening scenarios.

The Impact of Noise and Hearing Loss on the Processing of Simultaneous Sentences

process a primary message. Tasks involving the processing of simul-

Objectives: To examine the impact of hearing impairment on a listener's ability to process simultaneous spoken messages.

INTRODUCTION





RESULTS

Mean Performance as a Function of SNR

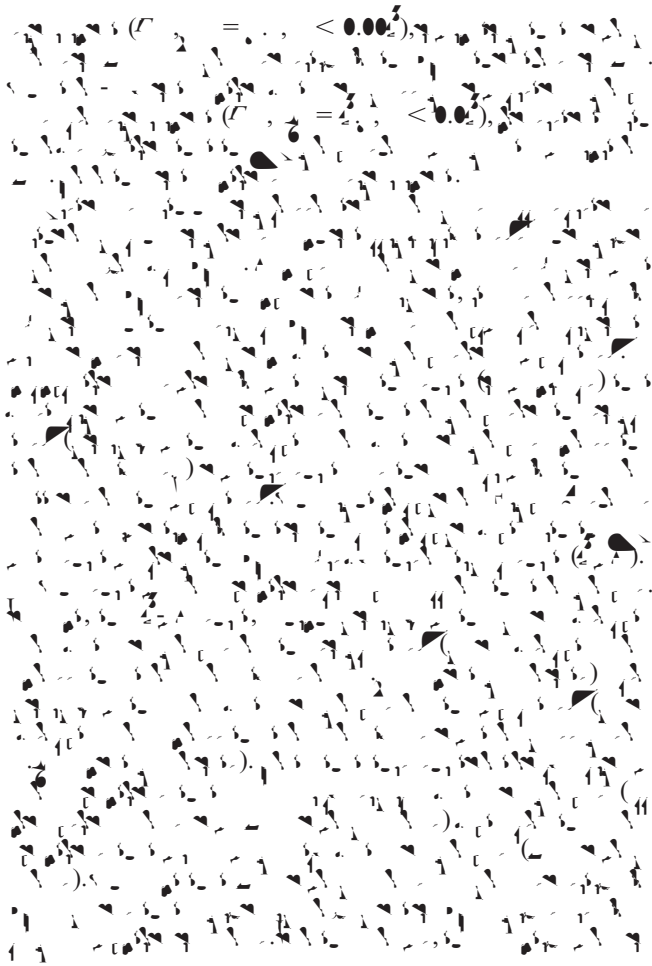


Figure 1. Mean Performance as a Function of SNR. The graph shows three data series: a solid line with circles, a dashed line with squares, and a dotted line with triangles. All series show an increasing trend as SNR increases from -10 dB to 10 dB. The solid line with circles consistently shows the highest performance, followed by the dashed line with squares, and the dotted line with triangles shows the lowest performance.



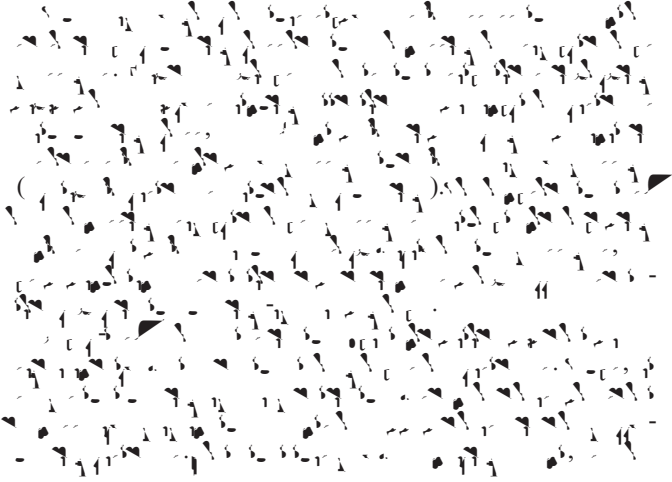
Comparison of Dual-Task Errors for NH and HL Groups

Figure 1. Comparison of Dual-Task Errors for NH and HL Groups. The figure shows a comparison of dual-task errors between Normal Hearing (NH) and Hearing Loss (HL) groups. The data is presented in a table format, with columns for 'Group' and 'Error Type'. The error types listed are 'Omission', 'Commission', and 'Substitution'. The NH group shows significantly higher error rates for Omission and Commission compared to the HL group, while the HL group shows significantly higher error rates for Substitution compared to the NH group. The differences are statistically significant (p < 0.05).





The Effect of Hearing Loss on the Processing of Simultaneous Messages



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