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## Audio logical features and auditory processing in Ramsay Hunt syndrome: A case study

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Ramsay Hunt syndrome occurs when a shingles infection affects the facial nerve near one of your ears. In addition to this, Ramsay Hunt syndrome can cause facial paralysis and hearing loss in the affected ear. The present study investigates the audio logical features and auditory processing of patient with this syndrome. Investigating auditory processing skills using a series of behavioral and objective tests known to be sensitive enough to assess a 40 year's old women using behavioral tests such as speech perception in noise, gap detection and duration pattern and objective tests like ABR, MLR responses and OAE. Investigations of the peripheral auditory system revealed a right moderate sensorineural hearing loss, poor scores on speech perception in noise, gap detection and duration pattern. These results confirmed using objective tests where the absence of OAE, abnormal latencies and inter-peak latencies of the ABR and absence of MLR. The results of the present case study focus on the presence of auditory processing disorders and audio logical features suggested test shows presence of auditory processing disorder and cochlear and retro cochlear involvement. Thus, cautious investigations of audio logical evaluation are necessary in these individuals.

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