Internal Auditory Meatus Stenosis - Case Report

Keywords: auditory, stenosis, internal, meatus.

CASE PRESENTATION

R.N., 18 years, female, came to our service complaining of right side hearing loss, noticed about one year ago, of unknown onset. She did not complain of tinnitus, vertigo, otalgia and ototrauma. She said she had not undergone any neonatal hearing screening test. Her hearing pattern did not get worse along the years. She also did not have learning disorders during childhood.

She did not show any evidence of pre-natal, natal and post-natal infection, nor of using ototoxic drugs.

She has essential hypertension and is being treated with propanolol (40mg) BID, nifedipine (20mg), administered once a day and hydrochlorothiazide also once a day.

She did not have relatives with hearing loss.

Her ear drums were intact and translucent. Her nose and throat exams were normal. Balance tests were also within the normal limits.

We followed the investigation protocol of hypoacusis in our service. We ordered: audiometry and immittanceometry, PEATE and OAE.

Her tests showed severe sensorineural hearing loss on the right side. PEATE did not show evidence of retrocochlear alterations.

Afterwards, we ordered ear CT scan and MRI, which showed stenosis of the internal acoustic meatus and vestibulocochlear nerve hypoplasia, respectively.

As treatment, we referred the patient to a hearing aid fitting, speech and hearing therapy and otorhinolaryngological follow up in our institution.

REFERENCES


1 1st Year ENT Resident Physician - FAMEMA.
2 PhD, Professor, Head of the ENT Residency Program - FAMEMA.
3 M.Sc. Assistant Professor of Otorhinolaryngology - FAMEMA.
4 Specialist in ENT, Assistant physician ENT - FAMEMA.
5 3rd Year ENT Resident Physician - FAMEMA.
6 5th Year Medical Student - FAMEMA.