We Must Keep in Mind Aspergillus in the Etiology of Facial Nerve Paralysis Aysel Kocagül Çelikbas, Adalet Aypak, Sebnem Eren Gök, Gül Tezcan, Mustafa Eroglu, Nurcan Baykam, Basak Dokuzoguz

Objectives

Aspergillus spp. is an important infectious pathogen for immunocompromised patients in haematology, oncology and transplantation unit. Aspergillus infections of ear are mostly affect the external auditory canal. Aspergillus related chronic otitis media is extremely rare. Here, we report a case of chronic otitis media presented with facial nerve paralysis which was related with Aspergillus spp.and histopathologically proven

Case

A 60-year-old male patient had referred to the Ear-Nose-Throat Clinic of another hospital with the complaint of headache, otalgia, tinnitus, facial nerve paralysis. He had uncontrolled diabetes mellitus and chronic kidney disease. Physical examination releaved left sided peripheral facial paralysis and in otoscopy the left auditory canal was markedly inflamed, swollen and had purulent discharge due to chronic otitis media. Antibiotic therapy and oral valacyclovir were given to the patient. He underwent to facial nerve decompression operation. Tissue biopsies were taken during operation and histopathological examination demonstrated the branching septate hyphae of Aspergillus spp. The patient was referred to our clinic for medical treatment. In laboratory tests white blood cell count: 7,010/mm³. erythrocyte sedimentation rate: 96 mm/h and, C-reactive protein: 19 mg/l. In the fungal culture of the external auditory canal dischargeAspergillus spp wasn't determined. Galactomannan antigen test was negative.

Intravenous liposomal amphotericin B (3 mg/k/day) was started. A week after antifungal therapy, the complaints and otoscopic findings of the patient recovered. liposomal amphotericin B therapy continued for three weeks and he discharged with oral voriconazole (4mg/k/bid) therapy. Treatment had given for three months. Facial nerve paralysis is continue as asequela. Antifungal therapy is planning to complete in 6 months.

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