

Invasive Aspergillosis of the Cervical Region and Mediastinum – Case Report and Review of Literature

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Abstract

Aspergillus species are ubiquitous in the environment worldwide. They can be found in the soil, water and vegetation. Non-invasive aspergillus lesions may develop in healthy paranasal sinuses or in pre-existing pulmonary cavities. However, invasive aspergillosis (IA) is primarily an infection of severely immunocompromised patients and one of the most life-threatening conditions in this group of patients, with very high fatality rate. However, in immunocompetent persons, fulminant invasion of tissues is very rare. We report a case of a 30-year-old Saudi lady who developed invasive aspergillosis of the cervical region extending into the mediastinum and the vertebral foramina. This unusual infection was produced simultaneously by two species as Aspergillus i.e. *A. fumigatus* and *A. niger*. She was treated with a combination of amphotericin B. i.v and itraconazole orally for 6 months. She responded very well to the combination therapy and made a remarkable recovery. Treatment options of this fatal infection are briefly reviewed and discussed.

Keywords: Invasive aspergillosis, treatment, amphotericin B; Intaonazole, Voriconazole

