

FATAL COMPLICATION OF FRONTAL SINUSITIS; POTT'S PUFFY TUMOR

Ramazan Ünal^{1*}, Ahmet Erdur², Hasan Çam², Ramazan Güven³, Başar Cander²

¹Emergency Department, Republic of Turkey Ministry of Health, Provincial Health Directorate of Balıkesir Edremit State Hospital, Balıkesir, Turkey

²Emergency Department, Ministry Of Health University of Health Science Kanuni Sultan Süleyman Research and Training Hospital, Istanbul, Turkey

³Emergency Department, Başakşehir Çam and Sakura City Hospital, Istanbul, Turkey

*Corresponding author

ABSTRACT

Pott's Puffy Tumor (PPT) is a rare clinical entity characterized by subperiosteal abscess accompanied by osteomyelitis due to frontal sinusitis. It is a rare complication in the adult age group. A systematic review of literature in 2020 reported 128 cases of PPT identified in adults.

In this case report, a 19-year-old male patient who was admitted to the emergency service with a complaint of swelling and headache on his forehead for the past month and was diagnosed with PPT due to complicated frontal sinusitis is described. PPT was storage as a result of the physical examination and anamnesis of the patient who admitted to the emergency department with complaints of swelling in the forehead, headache and fever. Computed tomography was preferred as the imaging method in our patient and radiological images consistent with clinical suspicion were observed. The patient was consulted with an Otorhinolaryngology and Neurosurgery specialist. Abscess drainage was performed with Functional Endoscopic Sinus Surgery (FESS) by the Otorhinolaryngology department. The patient was called for control 3 months later. It was observed that the abscess did not recur.

In conclusion, PPT should be kept in mind in the differential diagnosis of patients with a history of swelling in the forehead and sinusitis, and low socio-cultural level.

Keywords: Frontal Sinusitis, Complication, Pott's Puffy Tumor, Functional Endoscopic Sinus Surgery