

Epidural Hematoma After Evacuation of Contralateral Subdural Hematoma

Hmamouche MO*, El Ouahabi M, Hammoud M, Lakhdar F, Benzagmout M, Chakour K and Chaoui MF

Department of Neurosurgery, Hassan II University Hospital of Fez, Morocco

***Corresponding author:** Mohammed Oualid Mohammed Hmamouche, Medicine doctor, Department of Neurosurgery, Hassan II University Hospital of Fez, Morocco

Received: February 03, 2023

Published: March 22, 2023

A 52-years-old patient with unremarkable medical history, was admitted to our hospital after a severe brain injury secondary to a fall from 3.5 m. On admission, he was unconscious, Glasgow coma scale was 7 with a right anisocoria. The CT scan showed a right subdural hematoma with a midline shift of 11mm and a contralateral fracture (**Figure 1**). He underwent a craniotomy with hematoma evacuation, surgery was uneventful. The routine postoperative CT scan showed a large left epidural hematoma (**Figure 2**). A second operation was done immediately and the patient was transferred to ICU.

Only few cases were reported in literature, of an epidural hematoma contralateral to the evacuation of an SDH [1]. It's a devastating complication especially if the diagnosis is delayed [2]. There aren't specifics clinical characteristics of contralateral EDH after evacuation of SDH. Various hypotheses have been proposed to explain this complication but it's not clear

[3]. Immediate postoperative CT scan is very important especially if we had a contralateral skull fracture, brain swelling or high intracerebral pressure after surgery.



Figure 1: CT scan showing a right subdural hematoma.



Figure 2: Post operative CT scan showing contralateral epidural hematoma.

References

1. Borovich B, Braun J, Guilburd JN, Zaaroor M, Michich M, Levy L, et al. Delayed onset of traumatic extradural haematoma. *J Neurosurg*, 63: 30–34.
2. Singh S, Sameer P, Paul D, Dwivedi D, Marwah V. Contralateral Acute Extradural Hematoma Following Decompressive Craniectomy for Subdural Hematoma Evacuation: A Rare Complication and a Short Literature Review. *Neurol India* 2022; 70: 1230-1231.
3. Shen J, Pan JW, Fan ZX, Zhou YQ, Chen Z, Zhan RY. Surgery for contralateral acute epidural hematoma following acute subdural hematoma evacuation: five new cases and a short literature review. *Acta Neurochirurgica*, 155(2); 335.