A 3-year-old child presented in a drowsy state following a fall from a height of twelve feet. Initial head Computed Tomographic (CT) scan showed left frontotemporal acute subdural hematoma (ASDH) along with left coronal diastatic fracture with associated scalp hematoma. While awaiting surgery, an unexpected improvement in the child’s sensorium was noted within six hours of trauma. A repeat head CT scan showed significant resolution in ASDH with simultaneous increase in size of the overlying scalp hematoma.

Rapid spontaneous ‘resolution’ of ASDH within a few hours is seen on the CT scan of brain in rare cases. This happens due to pressure-induced intracranial redistribution of hematoma due to brain swelling, elegantly demonstrated by Polman et al.[1] by doing an MRI on their patient, and which was subsequently reported by other authors.[2,3] However, extracranial redistribution of ASDH through a skull fracture has not been demonstrated in any case till date. This is the first such case report to the best of the author’s knowledge in which the ASDH seen on CT scan done two hours following head injury (Figure 1) underwent extracranial redistribution through a probable dural tear and coronal diastatic fracture leading to a corresponding increase in size of the overlying scalp hematoma seen clearly on the CT scan done six hours following head trauma (Figure 2).

References


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