

vessel, usually the middle meningeal artery that has been lacerated by an overlying skull fracture, is indicated. If recognized and treated rapidly, patients often have a favorable outcome.

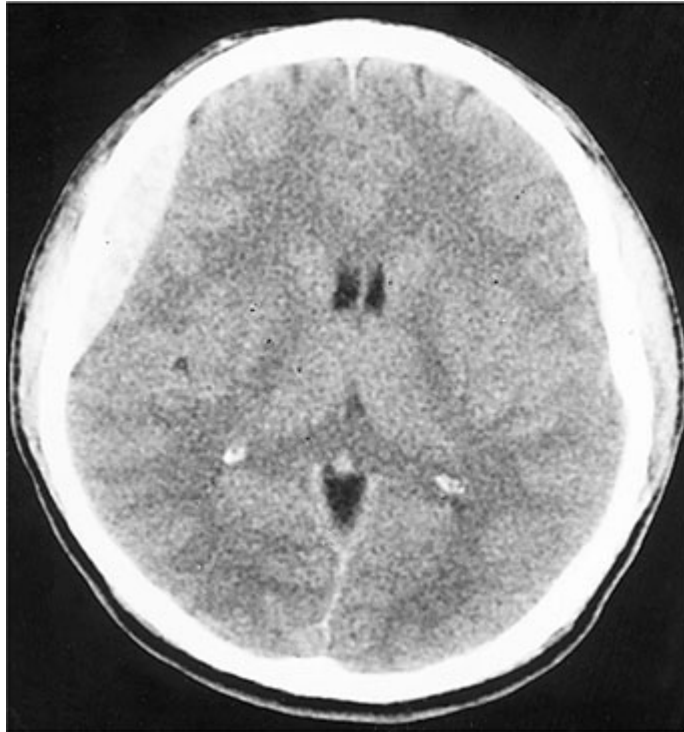


FIGURE 443-1 Acute epidural hematoma. The tightly attached dura is stripped from the inner table of the skull, producing a characteristic lenticular-shaped hemorrhage on noncontrast CT scan. Epidural hematomas are usually caused by tearing of the middle meningeal artery following fracture of the temporal bone.

Acute Subdural Hematoma (Fig. 443-2) Direct cranial trauma may be minor and is not always required for acute subdural hemorrhage to occur, especially in the elderly and those taking anticoagulant medications. Acceleration forces alone, as from whiplash, are sometimes sufficient to produce subdural hematoma. Up to one-third of patients have a lucid interval lasting minutes to hours before coma supervenes, but most are drowsy or comatose from the moment of injury. A unilateral headache and slightly enlarged pupil on the side of the hematoma are frequently, but not invariably, present. Small subdural hematomas may be asymptomatic and usually do not require surgical evacuation if they do not enlarge. Stupor or coma, hemiparesis, and unilateral pupillary enlargement are signs of larger