

feeble pulse and a dull mental condition. If emboli are developed the most common site of their lodgement is the lungs, causing septic pneumonia. The thrombosis in the lateral sinus frequently extends downward into the internal jugular vein, when its presence is revealed by deep tenderness along the course of this vessel, and swelling along the anterior border of the sterno-mastoid muscle.

B. In case of a diffuse meningitis at the base of the brain, we have intense headache, photophobia, a high temperature (*e.g.*, 102) and pulse rate remaining constant, nausea and vomiting. Rigidity of the muscles of the neck is one of the most characteristic symptoms and occurs quite early. Later strabismus and mydriasis result from paralysis of the third and sixth nerves.

C. Extradural abscess is hardly to be diagnosed as such; possibly a localised headache with a moderately elevated T. are the characteristic symptoms, which may persist after clearing up of the strictly mastoid symptoms.

D. Brain abscess is one of the rarer complications and difficult of diagnosis until some portion of the motor tract is pressed upon. A persistent low T., constant headache, increasing asthenia and progressive hebetude should always arouse suspicion of it. All other conditions being favorable and failure of the patient to improve should suggest this condition, *e.g.*, in acute mastoiditis the severe pain gives place to a persistent general headache and the patient grows dull and unobservant, the T. remaining about normal and the pulse slow, suspect invasion of the cerebral substance. The common location is in the temporal lobe.

When two or more of these intracranial complications occur together the diagnosis is rendered extremely difficult.

DIAGNOSIS.

Some cases of mastoiditis are diagnosed at a glance, others present such difficulties that the most expert observer is puzzled to know whether the air cells of the mastoid are involved, or whether the severe constitutional symptoms are due simply to the conditions within the middle ear.