

*Motor Functions.*—No apparent weakness of facial muscles. Tongue protrudes slightly to the left. The left arm is paralyzed, slightly atrophied and spastic. The paralysis of the arm is complete, that of the forearm and hand marked but incomplete. Patient is able to slightly move her fingers. The left leg is weak. Patient can flex and extend thigh, but is unable to move her leg, foot or toes. The respiratory movements on left side appear slightly less than those of right.

#### SENSORY FUNCTIONS.

Sensations all normal except possibly that of heat, which appears sluggish in outer part of left leg.

*Reflexes.*—Cutaneous: Plantar, normal on right; Babinski's sign on left; Abdominal, not elicited; Epigastric, not elicited; Scapular, not elicited. Deep: Patellar, Clonus on left, increased on right; Achilles, Clonus on left, increased on right; Biceps, Triceps, Periosteal, much increased on left, increased on right.

*Organic.*—Deglutition, defecation and micturition normal. During the last three weeks patient has had slight difficulty in retaining urine when bladder is full.

*Vasomotor and Trophic Changes.*—Tache cerebrale is marked. Skin is very dry and scaly. Cerebro-spinal fluid, pressure is 300 mm. (water). Composition is normal.

*Digestive System.*—Disagreeable taste. Appetite good. Tongue heavily coated, red at edges and tip. Nausea and vomiting. The vomiting is not always preceded by nausea and is sometimes projectile in character. It bears no constant relation to the taking of food. With exacerbations of headache the vomiting is worse.

*Respiratory System.*—Normal except slightly deficient expansion on left side of chest.

*Cardio-Vascular System.*—Normal.

*Cutaneous System.*—Skin is very dry and slightly scaly. Tache cerebrale marked.

*Genito-Urinary System.*—Normal except leucorrhœal discharges.

*Diagnosis.*—Tumor of the upper right ascending frontal convolution. This would account for all the symptoms, the affection of the left abducens being due to pressure.

*Medical Treatment.*—Potassium iodide, gr. XL., three times a day.

*Progress Notes.*—Dec. 19, 20, 21, patient about the same; Dec. 22, internal squint of left eye more marked; Dec. 23, twitching in left leg for 15 minutes. Motor power in left arm and leg is weaker. Patient can scarcely bend fingers. Headache is very severe. Urine