

disturbance, but subjectively the patient complained of numbness of extremities and pain in the back, there was also slight tenderness of the muscles on deep pressure. The superficial and deep reflexes were absent, but no muscular wasting could be made out. By September 25th the patient's condition had become decidedly worse and he was unable to raise his feet off the bed, but from this date he improved steadily, and on September 29th he was able to close his eyes and wrinkle his forehead. On October 8th he had retention of urine and incontinence of feces, but apart from this was feeling much better, and by October 11th his strength had markedly improved, by this time also the organic reflexes had returned to their normal condition. By the end of October he was able to sit and stand, and with assistance walk a short distance, while his facial muscles were very much improved. The muscles of his extremities by this time showed distinct wasting and the deep reflexes had not returned. On December 4th he was discharged feeling strong and able to walk about perfectly well. In discussing these cases Dr. Stewart considered the first to be a multiple neuritis and the second an involvement of the anterior motor cells of the cord.

The third case was that of a man who has been under observation since December 1900, when he came to the hospital complaining of speechlessness which came on suddenly without warning.

There was a recurrence of attacks of a similar character every few days for a period of several weeks. Then severe headache and optic neuritis supervened and afterwards facial spasm, followed by paresis of the lower facial muscles on the right side, as well as weakness of the right half of the tongue. The mutism was no longer noticed its place being taken by a dysarthria, first of labials and later of all letters and words, and finally passing on to a complete anarthria. On opening the brain a tumor was found immediately beneath the grey matter of the lower part of the ascending frontal convolution. The removal of this was easily accomplished and was followed in the course of a few days by disappearance of the anarthria and the facio-lingual paralysis. The patient made a good recovery and was able to take part in active sports such as rowing and paddling the following summer. However in the spring of 1902 he returned, complaining of facia' spasm and occasional headache and weakness. A second operation was performed and another tumor removed from the same spot. Recovery was prompt and the wound healed perfectly, all the symptoms at once disappeared. When seen at the clinic the patient appeared to be in the best of health although he was again complaining of occasional twitching of the lower part of his face. Since then, however, the tumor returned and has again been removed by Dr. Bell.