

anatomical situation, could be involved in a swelling situated where that in the present case is. The symptoms in this case are most striking and extremely interesting, and we may, with advantage, briefly consider each one.

1. *Hemiatrophy*.—Wasting of the muscles of one side of the tongue, tactile and the special sense of taste being intact, all point to support the view held at the present day that the function of the twelfth nerve is purely motor; the function of tactile sense being supplied by a small branch derived from the plexus ganglioformis vagi.

2. *Paralysis of the right half of the soft palate*.—This is due, of course, to the want of action of the levator palati and azygos uvulæ. The nerve supply of these muscles is, even at the present day, *sub judice*, and it is very generally taught at present that the nerve supply to these muscles is from the facial, through the large superficial petrosal nerve, and our clinical teaching is, that in every case of central facial paralysis we ought to look for paralysis of the soft palate, thus regarding the seventh nerve as supplying a motor function to the levator palati and azygos uvulæ muscles; but upon this point we have the valuable opinion of Hughlings Jackson, who says that "it is generally held by physicians that in paralysis of the facial nerve from lesion to its trunk before the giving off of the branch to Meckel's ganglion (the large superficial petrosal) there is some paralysis of the palate; but I have never seen a case of this kind of paralysis from any cause in which the palate was paralysed. In cases even of paralysis of this nerve from disease in the pons Varolii, in which, of course, the injury must have been above the origin of the branch to Meckel's ganglion, the palate seemed to be quite normal. Instances of slight deviation of the uvula are frequently met with in the out-patients' room, and in patients who have no facial paralysis; but *real paralysis of the palate is decidedly a rare thing. If we exclude diphtheria, it is very rare indeed.*"¹ In support of this, I think the case now under consideration lends some weight, for very careful examination of the muscles supplied by the seventh nerve reveals that

¹ London Hospital Reports and Clinical Lectures, 1864.