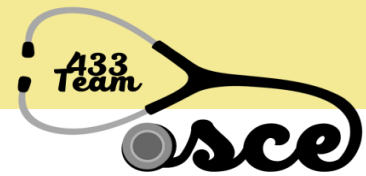


# Nervous System



## Facial palsy

Chief Complain: Asymmetry of the face

Questions	Indications
<b>The functions of the facial cranial nerve</b>	
Do you feel any difficulty with <b>speaking</b> ?	
Abnormal <b>hearing</b> ?	Hyperacusis
Any change of the <b>taste</b> ?	Anterior 2/3 of the tongue
Have you noticed any <b>dryness</b> of the eyes or the mouth?	
<b>Etiologies of the palsy</b>	
External <b>ear pain</b> ?	Ramsey hunt syndrome
Any <b>trauma</b> ? (epically on the temporal bone)	
Any history of <b>otitis media</b> (middle ear infection)?	Could injure the nerve (see the course of the nerve)
Any history of <b>CNS tumors</b> or <b>surgery</b> ?	

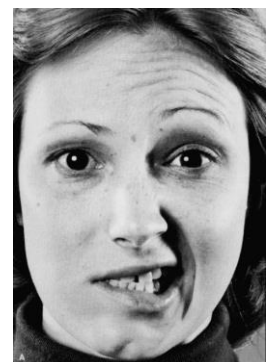
Mention 2 causes could manifested in this picture.

1. Bell's palsy (idiopathic or HSV1 infection)
2. Trauma could injure CN VII
3. Ramsy Hunt syndrome

Mention 2 clinical manifestations could be obtained from Bell's palsy patient (picture).

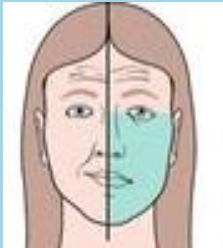
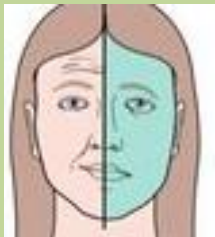
1. postauricular pain (few days)
2. lower motor neuron facial weakness
3. impaired taste
4. hyperacusis

According to the picture, what is the affected side? Right side



### What is the management for Bell's palst?

1. Reassurance – not a stroke
2. Short course of prednisolone

	Upper Motor Lesion	Lower Motor Lesion
Site	Central Palsy (cortex-internal capsule-brain stem above nucleus)	Peripheral Palsy (in the nucleus in brain stem)
Lesion	Contralateral	Ipsilateral
Presentation	<ul style="list-style-type: none"> <li>○ Tongue deviates opposite to the lesion</li> <li>○ Mild weakness of the lower part of face on the Side opposite the lesion</li> </ul> 	<ul style="list-style-type: none"> <li>○ Tongue deviates to the side of the lesion</li> <li>○ Weakness of All muscle of facial expression on the same side.</li> </ul> 
Causes	<ol style="list-style-type: none"> <li>1. Usually vascular (stroke)</li> <li>2. Cerebral tumor</li> <li>3. Multiple sclerosis</li> </ol>	<ol style="list-style-type: none"> <li>1. <b>Bell's palsy</b></li> <li>2. Parotid tumor</li> <li>3. Head injury</li> <li>4. Sarcoidosis</li> <li>5. MG</li> <li>6. GBS</li> </ol> <p style="text-align: right;">} Bilaterally</p>