

Facial Palsy

Facial nerve.

Upper Part of Face $\rightarrow$ 2 Upper Motor Neuron (Contralateral & Ipsilateral) & One lower Motor Neuron.

Lower Part of Face $\rightarrow$ one UMN & one LMN.

Facial Palsy $\rightarrow$ Upper Motor Neuron defect.

Bells Palsy $\rightarrow$ lower Motor Neuron defect.

Causes of Facial Palsy 2) Bacteria

1) Viruses $\rightarrow$ Epstein Barr, Herpes, Lyme Disease.

2) ~~Cold~~ varicella, zoster.
 $\downarrow$
 Borrelia
 Burgdorferi.

3) Diabetes, Immunosuppressed, Hypertension and Pregnancy.

4) Cold Exposure. 5) Head injury, stroke, Tumor, Encephalitis.

Causes of Bells Palsy $\rightarrow$ Unknown.

Symptoms of Facial Palsy

① Facial palsy on the opposite side of the face.

② Only lower part of the face is involved.

$\rightarrow$ Angle of mouth is deviated to the normal side when the person is asked to show the teeth.

$\rightarrow$ Nasolabial fold obliterated on the affected side.

$\rightarrow$ Dysarthria (slurred speech).

$\rightarrow$ Usually associated with ipsilateral hemiplegia.

$\rightarrow$ Winkling in Forehead, eye closure, Taste, Teare are intact, Earring.

- Facial reflexes are brisk - Hyperacusis absent
- Absence of Bell's Phenomenon
- Sudden onset of symptoms within minutes.

PC/F of Bell's Palsy

- Involvement of one side of the face due to lesion on LMN.
- ① Angle of mouth deviated to opposite side
- ② Obliteration of the nasolabial fold.
- ③ Dysarthria (Slurred speech)
- ④ Drooping of Eyelids, Excessive Tears.
- ⑤ Absence of wrinkling of Forehead.
- ⑥ Taste of Anterior $\frac{2}{3}$ rd of tongue affected, Drooping of salivary. Dry mouth.
- ⑦ Hyperacusis $\rightarrow$ Painful hearing or unpleasant quality to louder sounds.
- ⑧ Bell's phenomenon Positive
 $\hookrightarrow$ Outward & upward movement of the eyeball when patient tries to close the eyes.
- ⑨ Facial reflexes are depressed and no hemiparesis & other symptoms.
- ⑩ Sudden onset of symptoms within hours.

Management $\rightarrow$ Bell's palsy is self limiting within 6 months, Rule out other causes.