MEDICAL QUIZ

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An 18 years old female patient presents to the emergency department stating that over the past 24 hours, she has developed left sided facial weakness and drooping. Her mouth turns towards the side if she smiles and she is unable to close her left eye.

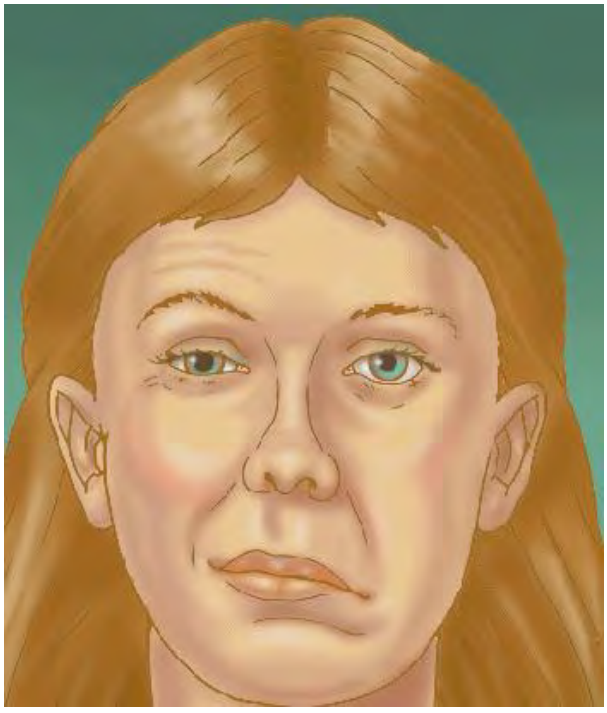
She also complains that she is unable to move both upper and lower side of her face. She stated that she has had a herpes simplex (viral) infection.

O/E of Vital signs –

Vital Measurements	Recorded values	Normal values
Blood Pressure (mm of Hg)	124/80	120/80–140/90
Temperature (°F)	98.1	97 - 99
Respiratory Rate (per min)	15	12 - 20
Pulse (per min)	78	60 - 100

Systemic examination was unremarkable and investigations like skull xray, CT and MRI were normal.

The physician diagnosed the case as Bell's palsy and prescribed an antiviral medication along with a short course of corticosteroids.



Depending on this case, please answer the below mentioned questions.

1. Bell`s palsy affects one of the following cranial nerves :
   a. Trigeminal
   b. Facial
   c. Glossopharyngeal
   d. Hypoglossal

2. This patient will complain of suppressed gustatory sensation from which of the following region:
   a. Anterior two thirds of the tongue
   b. Posterior one third of the tongue
   c. Epiglottis and pharynx
   d. All of the above

3. The muscles of mastication (chewing) are …… in Bell's palsy.
   a. Affected
   b. Unaffected (spared)
   c. Partially affected

4. Tactile sensation from the face will be unaffected in Bell's palsy.
   a. True
   b. False

5. The patient has complained of dry eyes (left eye). Which of the following options given below is the correct explanation?
   a. Impaired innervations of the lacrimal gland
   b. Inability to close the eyes leading to evaporation of tears
   c. Both of the above
   d. None of the above

Tick the correct statement:

a. Bell's palsy is due to lower motor neurone lesion. T F
b. Bell's palsy is idiopathic in nature. T F
c. The benefits of acyclovir is definitive on the patient T F
d. About 50% of people get better with no treatment T F
e. Gustatory sweating is a recognized complication T F