

KEY WORDS cranial nerves

Objective

1 Key knowledge and worked examples

II optic canal; III/IV/VI SOF; V1/V2/V3 fissure/rotundum/ovale; VII+VIII IAM; IX/X jugular; XII hypoglossal ✓.

Forehead SPARED = central; INVOLVED = peripheral VII ✓ – one muscle test splits emergency from benign. VII+VIII share the meatus: deafness precedes facial palsy in a schwannoma ✓.

2.1 Which foramen carries IX and X? [3]

2.2 A patient cannot abduct the eye. Which nerve? [3]

2.3 Which nerve exits the foramen ovale? [3]

3.1 Sudden left facial weakness; the patient can raise both eyebrows.

Classify the lesion level with reasoning. State the single muscle test used. List three further peripheral-VII features to seek. [7]

3.2 An apical lung mass (fictional smoker): hand wasting, hoarse voice, droopy left pupil.

Name the three structures compressed. Explain why this corner of anatomy yields the triad. State one further sign of the same triad. [7]