

Solutions

2.1

- Jugular foramen.

2.2

- Abducens (VI).

2.3

- V3 (mandibular division of trigeminal).

3.1

- Central (upper motor neuron): forehead has bilateral cortical input, so it survives.
- Test: “raise your eyebrows”.
- Peripheral features to seek: incomplete eye closure, taste loss (anterior two-thirds), hyperacusis, reduced lacrimation.

3.2

- Brachial plexus (C8–T1), left recurrent laryngeal, cervical sympathetic chain.
- The apex crowns the cupola where all three pass within millimetres – one corner, three systems.
- Further: enophthalmos and anhidrosis (Horner’s set).