**Supplemantary materials 2:** Attached table three: The length of adult cranial nerve and the time of retrograde axoplasmic transport

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| The length of each nerve (mm) | Cranial segment | Curtain stealth segment |  | Cavernous sinus segment | Supraorbital fissure segment | Orbital segment | [Overall](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=overall)[length](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=length) |  The time of retrograde transport to the brainstem neurons  **/205\*24h** |
| [Oculomotor](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=oculomotor)[nerve](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=nerve) | 17.4±2.1 |  |  | 17、8±3.5 | 9.4±2.5 |  | 44.6±2.7 | **5.22**  |
| [Trochlear](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=trochlear)[nerve](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=nerve) | 32.4±4.7 | 6.81.9 |  | 22.9±4.5 | 12.7±2.8 | 10.8±2.9 | 85.6±3.36 | **10.02**  |
|  |  | Cisternal segment | Petroclival segment  |  |  |  |  |  |
| Abducens nerve | Left 18.2±2.27 | 15.35±3.12 | 10.43±2.95 | 25.41±4.32 |  | 14.4±2.9 | 60 | **7.02**  |
|  | Left 18.5±2.88 |  |
|  |  |  | Hypoglossal canal segment  |  |  |  |  |  |
| [Hypoglossal](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=hypoglossal)[nerve](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=nerve) | Left 11.32±2.26 |  | Left 8.41±0.02 |  |  | 4.28±0.14? | 约25？ | **2.93**  |
|  | Right 10.1±1.23 |  | Right 8.42±0.03 |  |  |  |
| [Glossopharyngeal](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=glossopharyngeal)[nerve](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=nerve) | Left 17.3±2.6 |  |  | Left 21.88±2.2 |  | Left 40 | **4.68**  |
|  | Right 16.7±2.4 |  |  | Right 20.64±2.0 |  | Right 37 | **4.33**  |
| [Accessory](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=accessory)[nerve](file:///C%3A%5CUsers%5C%E6%A9%99%E5%AD%90%5CAppData%5CLocal%5Cyoudao%5Cdict%5CApplication%5C7.5.0.0%5Cresultui%5Cdict%5C?keyword=nerve) |  |  |  |  |  |  | 94.8±10.2 | **11.10**  |

Note: The length of these cranial nerves was derived from the adult anatomical references. We didn’t find the references of the length of cranial nerves in children. In physiology, the length of cranial nerves in infants was shorter than these data.