***Swanson, L.W. (2004) Brain maps: structure of the rat brain, 3rd edition***

*This file has the fourth Annotated Nomenclature Table. Footnote annotations are at the end.*

## *TABLE D. GROSS ANATOMICAL FEATURES OF THE RAT PNS*

**1. GANGLIA** (G) **[1]**
- 1.1. SENSORY GANGLIA (GSE)
  - Cranial sensory ganglia (GCR)
    - terminal ganglion (GTE)
    - trigeminal ganglion (GV) **[2]**
    - geniculate ganglion (GgVII)
    - spiral ganglion (GcVIII)
    - vestibular ganglion (GvVIII)
    - proximal glossopharyngeal ganglion (GpIX)
    - distal glossopharyngeal ganglion (GdIX) **[3]**
    - proximal vagal ganglion (GpX)
    - distal vagal ganglion (GdX) **[3]**
  - Spinal sensory ganglia (GSP)
    - cervical ganglia 1-8 (G-C1-8)
    - thoracic ganglia 1-13 (G-T1-13)
    - lumbar ganglia 1-6 (G-L1-6)
    - sacral ganglia 1-4 (G-S1-4)
    - coccygeal ganglia 1-3 (G-Co1-3)
- 1.2. AUTONOMIC GANGLIA (GA)
  - Sympathetic ganglia (GSY)
    - Paravertebral sympathetic ganglia (GPAS)
      - superior cervical ganglion (GSC) **[4]**
      - middle cervical ganglion (GMC) **[5]**
      - stellate ganglion (GSTL) **[5]**
      - thoracic sympathetic ganglia T3-T13 (Gs-T3-13)
      - lumbar sympathetic ganglia S1-S4 (Gs-S1-4) **[6]**
      - coccygeal sympathetic ganglion (Gs-C)
    - Prevertebral sympathetic ganglia (GPRS)
      - celiac ganglion (GCE) **[7]**
      - superior mesenteric ganglion (GSM)
      - inferior mesenteric ganglion (GIM)
  - Parasympathetic ganglia (PSY)
    - Cranial parasympathetic ganglia (GPC)
      - ciliary ganglion (GcIII)
      - pterygopalatine ganglion (GptVII) **[8]**
      - otic ganglion (GoIX)
    - Sacral parasympathetic ganglia (GPS)
      - pelvic ganglion (GPEL) **[9]**

1.3. ENTERIC NERVOUS SYSTEM (ENS) **[10]**
Submucosal plexus (sup)
Myenteric plexus (myp)

**2. NERVE FIBERS (nfi)**

2.1. NERVES (n) **[11]**
Cranial nerves (cran)
Spinal nerves (spin)
phrenic nerve (phn)
splanchnic nerves (spn)

2.2. NERVE PLEXUSES (plx)
Cranial plexuses (plxc)
Spinal plexuses (plxs)
cervical plexus (cep)
brachial plexus (bp)
lumbosacral plexus (lsp)
pudental plexus (pup)
Sympathetic trunk (S)

**Table D Annotations**

1 Table D is an expanded version of Table A.p (Peripheral Nervous System). Parts of the major divisions in this list are very incomplete; by and large, only those parts referred to in the figures are included. For overviews of the rat PNS see Greene 1968; Hebel and Stromberg 1986.

2 Gregg and Dixon 1973; Schneider et al. 1981; Hirsch (1765) named this ganglion after his professor, J.L. Gasser.

3 Czyzyk-Krzeska et al. 1991.

4 Flett and Bell 1990.

5 Pardini et al. 1990.

6 Baron et al. 1988; Baron and Jänig 1991.

7 Kreulen and Szurszewski 1979.

8 Spencer et al. 1990.

9 Greenwood et al. 1985.

10 Kirchgessner and Gershon 1988, 1989.

11 See Table C.1. All craniospinal nerves have a short segment within the CNS, and most of their extent within the PNS. This is, of course, a purely gross anatomical distinction.