













#### APPENDIX C: THE MEDICAL DICTIONARY

The following are the results from MedlinePlus by the U.S. National Library of Medicine, National Institutes of Health, and Merriam-Webster, Incorporated:

- 1- hypoglossal nerve: either of the 12th and final pair of cranial nerves which are motor nerves arising from the medulla oblongata and supplying muscles of the tongue and hyoid apparatus in higher vertebrates—called also hypoglossal, twelfth cranial nerve.
- 2- Limbic Lobe: the marginal medial portion of the cortex of a cerebral hemisphere.
- 3- Gray Matter: neural tissue especially of the brain and spinal cord that contains cell bodies as well as nerve fibers, has a brownish gray color, and forms most of the cortex and nuclei of the brain, the columns of the spinal cord, and the bodies of ganglia—called also gray substance.
- 4- Midbrain: the middle division of the three primary divisions of the developing vertebrate brain or the corresponding part of the adult brain that includes a ventral part containing the cerebral peduncles and a dorsal tectum containing the corpora quadrigemina and that surrounds the aqueduct of Sylvius connecting the third and fourth ventricles—called also mesencephalon.
- 5- Substantia Nigra: a layer of deeply pigmented gray matter situated in the midbrain and containing the cell bodies of a tract of dopamine-producing nerve cells whose secretion tends to be deficient in Parkinson's disease.
- 6- Dentate Gyrus: a narrow strip of cortex associated with the hippocampal sulcus that continues forward to the uncus.
- 7- Central Canal: a minute canal running through the gray matter of the whole length of the spinal cord and continuous anteriorly with the ventricles of the brain.

#### APPENDIX D: ONTOLOGY RECORDS

The records picked from the FMA view of neuroanatomy ontology:

- 1- Hypoglossal Nerve Tract constitutional\_part\_of Medulla Oblongata.
- 2- Supracallosal Gyrus regional\_part\_of Limbic Lobe.
- 3- Left Intermediate Gray Matter regional\_part\_of Gray Matter of Spinal Cord.
- 4- Midbrain regional\_part\_of Brain.
- 5- Right Substantia Nigra Pars Compacta regional\_part\_of Right Substantia Nigra.
- 6- Dentate Gyrus of Right Hippocampus regional\_part\_of Right Hippocampal Formation.
- 7- Terminal Ventricle regional\_part\_of Central Canal of Spinal Cord.

#### BIOGRAPHY

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