

ID	2402
Curricular Unit	Neurobiological Development
Regent	
Learning Outcomes	<p>1. Understanding the Fundamentals of Structural and Functional Neurobiology</p> <p>. 2 Know the Organization and Functioning of the Motor System: tone , Posture and Movement</p> <p>3. Knowing the essential aspects of Control Neurobiological the " Performance " Human</p>
Syllabus	<p>I. Introduction: Neuroscience and Behavior Conceptual Location of Neurobiology of Behavior (NC) Scope of Investigation in NC</p> <p>II. Structural and Functional Basis of Neurobiology Origin of Nervous System (SN) and Emergency Behavior Principles of Brain Development and Organization Paradigms SN: Bio-Potential; Bio-conservative; Critical Period Neurobiological plasticity and complexity. Requirements Mediatization Retrogenesis neurobiology: Problems and Complexity</p> <p>III. Organization and Operation of Motor System: tone , Posture and Movement Functional significance of tone / Vigilance Adaptive Strategies and Control of Posture Semiology and Postural Syndromes Multisensory convergence: Complementarity Informational / Sensory Substitution Engine Components System: Hierarchical Organization Hemispheric s</p>
Evaluation	Theme-working preparation.

Main Bibliography:

Adams, G.; Mászaros, I.; Banyai, I. (1980). Brain and Behavior. Pergamon Press.

Amiel-Tison, C. (2001). Perinatal Neurology. Massion, SA Bayer, S.; Altman,

J. (1991). Neocortical Development. Raven Press.

Andreassi J. (1995). Psychophysiology: Human Behavior and Physiological Response. Third Ed

New Jersey: Lawrence Erlbaum Associates.

Bear, M.; Connors, B.; Paradiso, M. (2001). Neuroscience: Exploring the Brain. Lippincott Williams &

Wilkins.

.

Ghez, C. (1985). Voluntary Movement. In Kandel, ER & Schwartz, JH / Eds.). Principles of Neural Science (pp. 487-501). New York: Elsevier Science Publishers.

Iñiguez, CG (2000). Aproximación Theoretical and Experimental Study of al la the Attention Surveillance Sostenida. Valencia: Cristobál Serrano Vilalba.

Kandel,RK; Schwartz,JH; Jessel, MJ (1995). Essentials of Neural Science and Behavior.McGraw-Hill.

Katz, P.(1995).Intrinsic and Extrinsic Neuromodulation of Motor Circuits.Current Opinion Neurobiology, 5, 799-808

Bibliography