

The Spinal Reflex The New Hypothesis of Physiology

[For more details concerning the New Physiology of the Spinal Reflex,](#)
[see the linked video:](#) 

*I do believe
the spinal reflex to be the function of the upper neuron (i.e., the brain).
In such a way, the stimulus will provoke an afferent impulse that arrives
to the brain via the sensory ascending tracts.
Thereafter, it is up to the brain to process the afferent data and then
to make the adapted reaction(s) vis-à-vis the stimulus.
Then, the efferent impulse takes the descending motor tracts in order to
reach the lower motor neurons and then the effector organ(s)
(target organ) sequentially; **figure (1)**.*

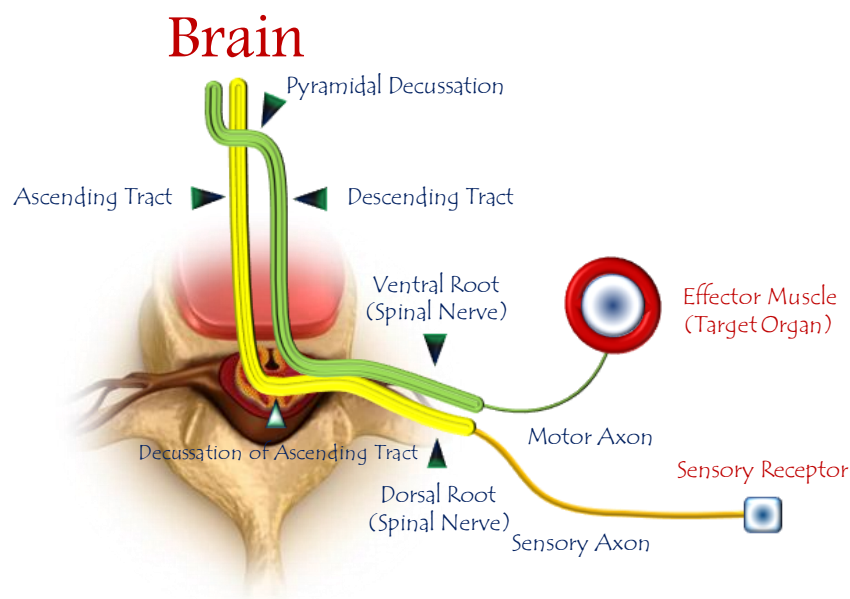


Figure (1)
The New Physiology of Spinal Reflex
(The Upper Motor Neuron Circuit)

[For more details concerning the New Physiology of the Spinal Reflex,](#)
[see the linked video:](#) 

*I do believe the spinal reflex runs in this manner:
The afferent sensory impulses end in the sensory neuron.
The ascending neural tracts conduct the afferent impulses toward the brain.*

The Brain treats the afferent data, and then arrives to a certain conclusion.
The upper motor neuron (UMN) receives this conclusion, and in turn decides the appropriate motor reflex.
The efferent motor order descends to the lower motor neurons (LMN).
Finally, the LMN executes the motor order.

One can also read:

-  [Neural Conduction, Personal View vs. International View \(Innovated\)](#)
-  [Upper Motor Neuron Lesions, Pathophysiology of Symptomatology](#)
-  [Neural Conduction, Action Pressure Waves \(Innovated\)](#)
-  [Neural Conduction, Action Potentials \(Innovated\)](#)
-  [Neural Conduction, Action Electrical Currents \(Innovated\)](#)
-  [The Function of Action Potentials \(Innovated\)](#)
-  [The Three Phases of Neural Conduction \(Innovated\)](#)
-  [Neural Conduction in the Synapse \(Innovated\)](#)
-  [Sensory Receptors](#)
-  [Nodes of Ranvier, the Equalizers \(Innovated\)](#)
-  [Nodes of Ranvier, the Functions \(Innovated\)](#)
-  [Nodes of Ranvier, First Function \(Innovated\)](#)
-  [Nodes of Ranvier, Second Function \(Innovated\)](#)
-  [Nodes of Ranvier, Third Function \(Innovated\)](#)
-  [Node of Ranvier The Anatomy](#)
-  [The Philosophy of Pain, Pain Comes First! \(Innovated\)](#)
-  [The Philosophy of the Form \(Innovated\)](#)
-  [Spinal Injury, Pathophysiology of Spinal Shock, Pathophysiology of Hyperreflexia](#)
-  [Who Decides the Sex of Coming Baby?](#)
-  [Spinal Shock \(Innovated\)](#)
-  [The Clonus \(Innovated\)](#)
-  [Hyperactivity Hyperreflexia \(Innovated\)](#)
-  [Hyperreflexia, Extended Sector of Reflex](#)
-  [Hyperreflexia, Bilateral Responses](#)
-  [Hyperreflexia, Multiple Responses](#)
-  [Nerve Conduction Study, Wrong Hypothesis is the Origin of the Misinterpretation \(Innovated\)](#)
-  [Wallerian Degeneration \(Innovated\)](#)
-  [Neural Regeneration \(Innovated\)](#)

-  [*Wallerian Degeneration Attacks Motor Axons, While Avoids Sensory Axons*](#)
-  [*Barr Body, the Whole Story \(Innovated\)*](#)
-  [*Boy or Girl, Mother Decides!*](#)
-  [*Adam's Rib and Adam's Apple, Two Faces of one Sin*](#)
-  [*The Black Hole is a \(the\) Falling Star?*](#)
-  [*Adam's Rib, could be the Original Sin?*](#)
-  [*Pronator Teres Syndrome, Struthers Like Ligament \(Innovated\)*](#)
-  [*Function of Standard Action Potentials & Currents*](#)
-  [*Posterior Interosseous Nerve Syndrome*](#)
-  [*Spinal Reflex, New Hypothesis of Physiology*](#)
-  [*Hyperreflexia, Innovated Pathophysiology*](#)
-  [*Clonus, 1st Hypothesis of Pathophysiology*](#)
-  [*Clonus, 2nd Hypothesis of Pathophysiology*](#)
-  [*Clonus, Two Hypotheses of Pathophysiology*](#)
-  [*Hyperreflexia \(1\), Pathophysiology of Hyperactivity*](#)
-  [*Hyperreflexia \(2\), Pathophysiology of bilateral Responses*](#)
-  [*Hyperreflexia \(3\), Pathophysiology of Extended Hyperreflex*](#)
-  [*Hyperreflexia \(4\), Pathophysiology of Multi-Response Hyperreflex*](#)
-  [*Barr Body, the Second Look*](#)
-  [*Mitosis in Animal Cell*](#)
-  [*Meiosis*](#)
-  [*Universe Creation, Hypothesis of Continuous Cosmic Nebula*](#)
-  [*Circulating Sweepers*](#)
-  [*Pneumatic Petrous, Bilateral Temporal Hyperpneumatization*](#)
-  [*Ulnar Nerve, Congenital Bilateral Dislocation*](#)
-  [*Oocytogenesis*](#)
-  [*Spermatogenesis*](#)
-  [*This Woman Can Only Give Birth to Female Children*](#)
-  [*This Woman Can Only Give Birth to Male Children*](#)
-  [*This Woman Can Give Birth to Female Children More Than to Male Children*](#)
-  [*This Woman Can Give Birth to Male Children More Than to Female Children*](#)
-  [*This Woman Can Equally Give Birth to Male Children & to Female Children*](#)
-  [*Piriformis Muscle Injection Personal Approach*](#)
-  [*Eve Saved Human's Identity, Adam Ensured Human's Adaptation*](#)

-  [Corona Virus \(Covid-19\): After Humiliation, Is Targeting Our Genes](#)
-  [Claw Hand Deformity \(Brand Operation\)](#)
-  [Corona Virus \(Covid-19\): After Humiliation, Is Targeting Our Genes](#)
-  [Barr Body: Mystery of Origin & Ignorance of Function](#)
-  [The Multiple Sclerosis: The Causative Relationship Between The Galvanic Current & Multiple Sclerosis?](#)
-  [Liver Hemangioma: Urgent Surgery of Giant Liver Hemangioma Because of Intra-Tumor Bleeding](#)
-  [Cauda Equina Injury, New Surgical Approach](#)
-  [Ulnar Dimelia, Mirror hand Deformity](#)
-  [Carpal Tunnel Syndrome Complicated by Complete Rupture of Median Nerve](#)
-  [Presacral Schwannoma](#)
-  [Congenital Bilateral Thenar Hypoplasia](#)
-  [Biceps Femoris' Long Head Syndrome \(BFLHS\)](#)
-  [Algodystrophy Syndrome Complicated by Constricting Ring at the Proximal Border of the Edema](#)
-  [Mandible Reconstruction Using Free Fibula Flap](#)
-  [Non- Traumatic Non- Embolic Acute Thrombosis of Radial Artery \(Buerger's Disease\)](#)
-  [Isolated Axillary Tuberculosis Lymphadenitis](#)
-  [Free Para Scapular Flap \(FPSF\) for Skin Reconstruction](#)
-  [Three Steps of Neural Conduction](#)

1/6/2020