***Dr. Ammar Yaseen Mansour***

***The Multi-Motor-Response Hyperreflexia******The Pathophysiology of Multi-Motor-Response Hyperreflexia***

[*To watch a short video explaining in detail the pathological mechanism of the multi-motor-response of spinal hyperreflexia, click on this link:*](https://youtu.be/PteMImPyZ0A)

*[video](https://youtu.be/PteMImPyZ0A)  
  
Under normal conditions, where the brain is dominant over all sensory afferent and all motor efferent pathways, each spinal reflex retains its own specific and independent circuit, separate from others. Stimulating the receptive field of a specific spinal reflex triggers a motor response unique to that reflex. It is a single, non-repetitive response, specific to the reflex being studied, with controlled intensity and force, and on the same side where the stimulation occurred.*

*In contrast,* *in Upper Motor Neuron injuries, the brain becomes functionally absent, and matters escape the effects of control and regulation. At this point, the Interneurons become active to fill the functional void. They activate old, abandoned neural pathways from early childhood and/or work to form new neural pathways that did not previously exist.*

*Sometimes, this networking can be extensive in its scope. It brings together the distant and the near, the functionally synergistic and antagonistic, into a single aberrant functional unit: the pathological lower motor neuron pool. Here, a single stimulus to one of these newly interconnected circuits is enough to activate all of them at once. The final result is multiple reaction responses from a single stimulus; and this is precisely the meaning of the concept of the Multi-Motor-Response Hyperreflex; see* ***Figure (1).***

*Tapping the right patellar tendon elicits extension of the right knee; this is the case under normal conditions. However, in a state of pathological hyperreflexia, it may also elicit flexion movement in the right hip joint.*

*Through the same mechanism, many pathological reflexes and signs pathognomonic of upper motor neuron lesions can be explained, such as the Hoffman Sign, the Babinski Sign, and Muscle Spasm. All of them are the product of aberrant, emergent, multi-faceted lower circuits, such as those in spinal cord lesions.*

*For example, the Hoffman sign and the Babinski sign are pathological products of the activation of an old partnership between neural circuits that were originally functionally synergistic in their primitive origin (Agonistic Neural Circuits). As for muscle spasm, it may be the result of a recent, ill-fated partnership between circuits that are inherently antagonistic (Antagonistic Neural Circuits).*

*Regarding the latter, I state: a partnership between functionally antagonistic circuits is always a detrimental partnership at the motor level, and to a much greater extent than a partnership between functionally synergistic circuits. Furthermore, a partnership between antagonists may be responsible for a wider spectrum of clinical symptoms and signs of Spastic Paralysis. What particularly concerns me in this regard is Muscle Rigidity and Muscle Weakness.*

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| ***Figure (1):******The Pathophysiology of Multi-Motor-Response Hyperreflexia***  *[video](https://youtu.be/A1HcXC6VmEI)* [*To watch a short video explaining in detail the pathological mechanism of the multi-motor-response of spinal hyperreflexia, click on this link:*](https://youtu.be/A1HcXC6VmEI)  *During the formation of the hyperreflexic spinal circuit, the interneurons may form connections with a group of lower motor neurons across several adjacent spinal segments. Thus, the neural circuits of the emerging hyperreflex in spinal segment (X+II), for example, merge with the circuits of the two reflexes emerging in segments (X+I) and (X) into a single, aberrant functional unit.* ***At this point, a single sensory afferent input can trigger a multi-motor response simultaneously.*** |

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*In other contexts, you can also read the following articles:*

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| *[video](https://youtu.be/ClqHfY65WQI)* | [*DOI*](https://doi.org/10.5281/zenodo.16070941) | [*The Spinal Reflex, New Hypothesis*](https://drive.google.com/file/d/1Nh0yxWLf3gPOlSKdftIZykUjb3xpsPBe/view?usp=sharing) *of Physiology* |
| *[video](https://youtu.be/qlgZUbWVXzs)* | *-* | [*The Hyperreflexia, Innovated Pathophysiology*](https://drive.google.com/file/d/14TlTu_9KrF0DGbEDE_VgCpYdSAzBMVU7/view?usp=sharing) |
| *[video](https://youtu.be/kwwsHHKh0AQ)* | [*DOI*](https://doi.org/10.5281/zenodo.16068269) | [*The Spinal Shock*](https://drive.google.com/file/d/1qQ6Ch-mVj1boww9SAhkPVTwFhX2kVoXR/view?usp=drive_link) |
| *[video](https://youtu.be/rBk0X29hs6w)* | *-* | [*The Spinal Injury, the Pathophysiology of the Spinal Shock, the Pathophysiology of the Hyperreflexia*](https://drive.google.com/open?id=1qQ6Ch-mVj1boww9SAhkPVTwFhX2kVoXR) |
| *[video](https://youtu.be/rBk0X29hs6w)* | [*DOI*](https://doi.org/10.5281/zenodo.16019363) | [*Upper Motor Neuron Lesions, the Pathophysiology of the Symptomatology*](https://drive.google.com/file/d/1kwE-QYZWVzHsadu0wFL4Ckl5o2hGaxMe/view?usp=sharing) |
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| *[video](https://youtu.be/q1mMORyoNLY)* | *-* | [*The Hyperreflexia (2), the Pathophysiology of Bilateral Responses*](https://drive.google.com/file/d/1Gd85ZcKFIMG_0H6QeE7mez4-XvP1o2OV/view?usp=sharing) |
| *[video](https://youtu.be/5iViwU_y3-M)* | - | [*The Hyperreflexia (3), the Pathophysiology of Extended Hyperreflex*](https://drive.google.com/file/d/18soM_THFCzezkfBfBEG9UdoO0qWHLGlz/view?usp=sharing) |
| *[video](https://youtu.be/PteMImPyZ0A)* | *-* | [*The Hyperreflexia (4), the Pathophysiology of Multi-Response Hyperreflex*](https://drive.google.com/file/d/1xRj0t5guxfzMsl3b0aeg6SHdWCwlQIEw/view?usp=sharing) |
| *-* | *-* | [*The pathophysiology of Triple flexion Reflex*](https://drive.google.com/file/d/1xFP0BCEKknK_AzEHrimcsFjgl7TkgF1K/view?usp=drive_link) |
| *[video](https://youtu.be/crbdk1RTU64)* | - | [*The Clonus, 1st Hypothesis of Pathophysiology*](https://drive.google.com/file/d/1WoXzIR5GdtpjYZ-4UjfFt62Kat6rn8K8/view?usp=sharing) |
| *[video](https://youtu.be/DKdPe-RJsn4)* | *-* | [*The Clonus, 2nd Hypothesis of Pathophysiology*](https://drive.google.com/file/d/1YOWvqNtk818HbIQVaevYI-dwIk4Bonsj/view?usp=sharing) |
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| *[video](https://youtu.be/55zCk35swKs)* | [*-*](https://doi.org/10.5281/zenodo.16067006) | [*The Nerve Transmission through Neural Fiber (3), The Action Electrical Currents*](https://drive.google.com/open?id=1w62cTew8Rdr0nQnaBUvVQmhc2vNI7iTj) |
| *[video](https://youtu.be/5A-S1GgHqjk)* | *[-](https://doi.org/10.5281/zenodo.16067006)* | [*The Function of Standard Action Potentials & Currents*](https://youtu.be/5A-S1GgHqjk) |
| *[video](https://youtu.be/GkSeiaw2vMk)* | *[-](https://doi.org/10.5281/zenodo.16067006)* | [*The Three Phases of Nerve transmission*](https://drive.google.com/open?id=1qSxDdr6CutOhf-Jshr4khVVzjYiNX0vi) |
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| *[video](https://youtu.be/_uIAVuMdTvw)* | *-* | [*Nodes of Ranvier, the Functions*](https://drive.google.com/open?id=15E7qLoDIl4glTeAKBs15tvn-5Q99p1nF) |
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| *[video](https://youtu.be/zGRVmB0zta0)* | *-* | [*Nodes of Ranvier, Second Function*](https://youtu.be/OqH6r2qhmxY) |
| *[video](https://youtu.be/uP4QKEZsanA)* | *-* | [*Nodes of Ranvier, Third Function*](https://youtu.be/IFSf8eo8V9Y) |
| *[video](https://youtu.be/WtCIWXXP8wU)* | *-* | [*Node of Ranvier, The Anatomy*](https://youtu.be/WtCIWXXP8wU) |
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| *[video](https://youtu.be/LWLXuXbs4yI)* | [*DOI*](https://doi.org/10.5281/zenodo.16792886) | [*In Neurodoctrines: Form is Necessity!*](https://drive.google.com/open?id=1qFVpN21binPozXFCcuGrf-io0nDLlBi3) |
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| *[video](https://youtu.be/9u9yDd8NIoE)* | *-* | [*Posterior Interosseous Nerve Syndrome*](https://drive.google.com/open?id=1JsmICiXRYKNbYg3CiW9YlZm4pRBJ5SOB) |
| *[video](https://youtu.be/yLyRSiN2EEo)* | [*DOI*](https://doi.org/10.5281/zenodo.16811632) | [*The Multiple Sclerosis: The Causative Relationship Between The Galvanic Current & Multiple Sclerosis?*](https://drive.google.com/file/d/1M0GTyJSsuc9ZWo8FnHPensmcptwHr0mR/view?usp=sharing) |
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| *[video](https://youtu.be/ZlNvPM0fh8A)* | [*DOI*](https://doi.org/10.5281/zenodo.16762035) | [*Carpal Tunnel Syndrome Ends Its Adherence: Complete Median Nerve Transection*](https://drive.google.com/file/d/1sHhWsaH47QJ5PzCDWlFd2KqiExBcONyl/view?usp=sharing) |
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| *[video](https://youtu.be/2twXxX6T9zY)* | [*DOI*](https://doi.org/10.5281/zenodo.15879503) | [*Barr Body, The Whole Story (Innovated)*](https://drive.google.com/open?id=1MsjgYESiWd3slc7i9s9mSiwOAnWFfrys) |
| *[video](https://youtu.be/VsmAEwMexmE)* | *-* | [*Adam's Rib and Adam's Apple, Two Faces of one Sin*](https://drive.google.com/open?id=1SEtq6SqQxNHHOn0q4TqrS2mhVumXNQv5) |
| *[video](https://youtu.be/jjl8SMMkLeA)* | *-* | [*Adam's Rib, could be the Original Sin?*](https://drive.google.com/open?id=10CEzaQ2cbFr6CQI-d8VTur7Ekq2VnyF0) |
| *[video](https://youtu.be/Ofn55E_fYJI)* | *-* | [*Barr Body, the Second Look*](https://drive.google.com/file/d/1-aKUsKo4-IIkdd9BsKK70iYutlycSwl6/view?usp=sharing) |
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| *[video](https://www.youtube.com/watch?v=kj9OggVj50E)* | [*DOI*](https://doi.org/10.5281/zenodo.15903408) | [*Who Decides the Sex of Coming Baby?*](https://drive.google.com/file/d/1fxYwPRwuwGr5sv183v1m7LEwx24jpjf0/view?usp=sharing) |
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| *[video](https://youtu.be/AA252qjldLk)* | *-* | [*Spermatogenesis*](https://drive.google.com/file/d/1dFhcEwK7X9_80oogfleEqy34PmuYHTb6/view?usp=sharing) |
| *[video](https://youtu.be/kQQxHeSzUn4)* | *-* | [*This Woman Can Only Give Birth to Female Children*](https://drive.google.com/file/d/1RLsOrpSIqwaR8FpwVi4fg5ep1G5JqIg_/view?usp=sharing) |
| *[video](https://youtu.be/PYJtcfPs8mI)* | *-* | [*This Woman Can Only Give Birth to Male Children*](https://drive.google.com/file/d/1AuNzWbVMNIb48U34jkaDUveEqXXiPZGp/view?usp=sharing) |
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| *[video](https://youtu.be/Dn4vEpJYaSg)* | [*DOI*](https://doi.org/10.5281/zenodo.16354468) | [*Mandible Reconstruction Using Free Fibula Flap*](https://drive.google.com/file/d/1Nv2YLBSc5TC7VFXBUVp9KAga4eUQmqfg/view?usp=sharing) |
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| *[video](https://youtu.be/fDjXCSHGuvA)* | [*DOI*](https://doi.org/10.5281/zenodo.16551354) | [*Algodystrophy Syndrome Complicated by Constricting Ring at the Proximal Border of the Edema*](https://drive.google.com/file/d/1D-h2Ck-VdsJyA5dukbliwXwOh_-t2HUz/view?usp=sharing) |
| *[video](https://youtu.be/OKv1iogYIMA)* | [*DOI*](https://doi.org/10.5281/zenodo.16593122) | [*Non- Traumatic Non- Embolic Acute Thrombosis of Radial Artery (Buerger’s Disease)*](https://drive.google.com/file/d/1ZaKpD0XVdQxY6FR44PyBeFfv_RKzXj_x/view?usp=sharing) |
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| *[video](https://youtu.be/rKabisSM5MQ)* | *[DOI](https://doi.org/10.5281/zenodo.16420063)* | [*The Iliopsoas Tendonitis... The Snapping Hip*](https://drive.google.com/file/d/1NUslspZfeaO5W4Hu2bJPNjq7syQlgQ2t/view?usp=drive_link) |
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| *[video](https://drive.google.com/file/d/17HUzsFJW5-QTSNdM-KrrMb3VDi9erYyp/view?usp=sharing)* | [*DOI*](https://doi.org/10.5281/zenodo.16083363) | [*Eve Preserves Humanity’s Blueprint; Adam Drives Its Evolution*](https://drive.google.com/file/d/19kB5tQ9UIeaen29iyOZwZlgqG0r3IynI/view?usp=drive_link) |
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