

Clinical Image

Exclusive Image Gallery on Human Spinal Cord Regeneration

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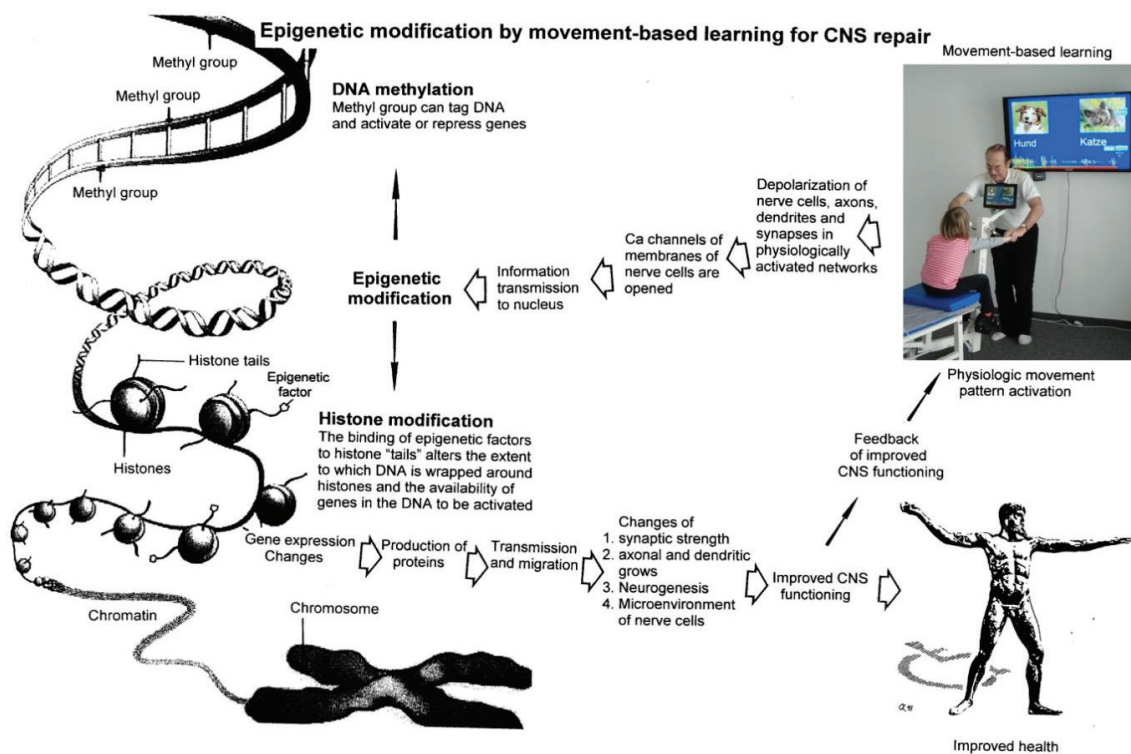
Received: 22 May, 2019

Accepted: 15 June, 2019

Published: 16 June, 2019

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**Figure 65:** Epigenetic regulation for repair by movement-based learning. CDT-induced stimulation of the pathways that regulate neural network repair is a proven therapeutic and preventive tool. Epigenetic mechanisms, stimulated by physiologic network activation, are likely key players within signaling networks, as DNA methylation, chromatin remodeling and small non-coding RNAs superfamily are required for the fine-tuning and coordination of gene expression during neural network repair by learning. Since the nervous system is involved in nearly all body functions, CDT will improve health.

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