





















method in this paper can be used to simulate this signal which was lost from the brain.

We hope that the proposed methods in this paper would open the door to implement it to treat the Motor Neurone Disease and maybe it can also be implemented to treat the paralyzed people.

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*References:*

- [1] NHS: <http://www.nhs.uk/Conditions/Motor-neurone-disease/Pages/Symptoms.aspx>.
- [2] J R Burger, "Circuit Elements and Connections Inspired by Neurons," IEEE Circuits And Systems Magazine, Vol 15, No. 1, First Quarter 2015.
- [3] NCBI: <https://www.ncbi.nlm.nih.gov/books/NBK21535/>.
- [4] Buzzle.com: <http://www.buzzle.com/articles/motor-neurons-location-structure-and-function.html>.
- [5] bing.com: <https://www.bing.com/images/search?q=motor+neurone+disease+symptoms&qpv=motor+neurone+disease+symptoms>.
- [6] No Data (Author), The Human Body Atlas, How the Human Body Works, Grange Books, new edition 24 June 2002, ISBN: 1-84013-510-7.
- [7] J. R. Burger, Brain Theory from a Circuits and Systems Perspective- How Electrical Science Explains Neuro-circuits, Neuro-systems, and Qubits. New York: Springer, 2013, Appendix A.
- [8] B. W. Mel, "Information processing in dendrite trees," Neural Comp., vol 6, 1994.
- [9] J. R. Burger, Brain Theory from a Circuits and Systems Perspective-How Electrical Science Explains Neuro-Circuits, Neuro-systems, and Qubits. Eugene, OR: Springer, 2013.
- [10] C. Koch, Biophysics of Computation-Information Processing in Single Neurons. New York: Oxford University Press, 1999.
- [11] Medical report of University of Queensland, Australia. "New Genetics Clues into Motor Neurone Disease", July 26, 2016.
- [12] Medical report of Francis Crick Institute-London. "Why Motor Neurons die in Patients with Motor Neurone Disease." May 25, 2018.
- [13] Medical report of University of Louisville and the Mayo clinic. "All three paralyzed patients from the waist down have been able to walk again". Health/BBC, 2018.