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JoVE

Editorial Board

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Dear Editor,

please find submitted our article entitled "Clinical testing and spinal cord removal in a mouse model for amyotrophic lateral sclerosis (ALS)" which we are submitting to *Journal of Visualized Experiments* to be published as a regular article.

Research in ALS is a rapidly expanding field because recently, new molecular disease mechanisms have been discovered that could finally enable us to improve current treatment strategies that are of only moderate success. To evaluate new treatment paradigms, it is necessary to be able to perform high-quality experimental studies in animal models of this disease.

In our article, we demonstrate the clinical testing of the SOD G93A mouse model of ALS which is essential to monitor disease progression. Furthermore, we include two basic tests that evaluate motor behaviour: the rotarod test and the hanging wire test. The immunohistologic analysis of spinal cord pathology in ALS is essential to evaluate treatment effects in the mouse model on a cellular and molecular basis. Therefore, we demonstrate in detail the procedure of spinal cord removal and provide some exemplary findings at the end. A detailed protocol of all procedures is included, too.

This video article has not been submitted elsewhere for publication. All authors have seen and approved the submitted version. We hope to meet the high standards of *Journal of Visualized Experiments* and look forward to hearing from you soon.

Yours sincerely,

Dr. Lars Tönges