**Dr. Nandita Singh**

**Senior Science Editor**

**JoVE**

Dear Nandita Singh,

Please find enclosed our manuscript entitled “***NON-INVASIVE ASSESSMENT OF DORSIFLEXION MUSCLE FUNCTION IN MICE***”. In this procedure article, we show an *in vivo* mice muscle function assessment which is an efficient and helpful technic. We believe that this non-invasive assessment has advantages one to perform easily in a preserved physiological environment and allow following up measures in the same animal over different time points.

We also believe that this procedure article is appropriate for publication in Journal of Visualized Experiments (JoVE) because it clearly presents high-quality research findings that may be of interest to a diverse audience, including cell biologists and physiologists. Improving understanding in this field may aid in the management or strategy treatment of patients with muscle atrophy disease. This manuscript has not been published and is not under consideration for publication elsewhere.

We have no conflicts of interest to disclose. All authors have read and approved the final version of the manuscript. Thank you for your consideration, and we appreciate your further consideration of our manuscript and look forward to a decision to its publication in due course

Yours sincerely,

Frederico Gerlinger-Romero PhD

Associate Research Fellow



**Deakin University**

Melbourne Burwood Campus, 221 Burwood Highway, Burwood, VIC 3125

**AUTHOR CONTRIBUTIONS**

**Author 1:** Gerlinger-Romero, Frederico

|  |  |
| --- | --- |
| **X** | Study conception and design |
| **X** | Acquisition of data |
| **X** | Analysis and interpretation of data |
| **X** | Drafting of manuscript |
|  | Critical revision |
|  | Other contribution: |

**Author 2:** Addinsall, Alex **B**

|  |  |
| --- | --- |
|  | Study conception and design |
|  | Acquisition of data |
| **X** | Analysis and interpretation of data |
| **X** | Drafting of manuscript |
| **X** | Critical revision |
|  | Other contribution: |

**Author 3:** Lovering, Richard M.

|  |  |
| --- | --- |
|  | Study conception and design |
|  | Acquisition of data |
| **X** | Analysis and interpretation of data |
|  | Drafting of manuscript |
| **X** | Critical revision |
|  | Other contribution: |

Author 4: Foletta, Victoria C.

|  |  |
| --- | --- |
|  | Study conception and design |
|  | Acquisition of data |
|  | Analysis and interpretation of data |
| **X** | Drafting of manuscript |
| **X** | Critical revision |
|  | Other contribution: |

**Author 5**:van der Poel, Chris

|  |  |
| --- | --- |
|  | Study conception and design |
|  | Acquisition of data |
| **X** | Analysis and interpretation of data |
| **X** | Drafting of manuscript |
| **X** | Critical revision |
|  | Other contribution: |

**Author 6:** Della-Gatta, Paul A.

|  |  |
| --- | --- |
| **X** | Study conception and design |
|  | Acquisition of data |
| **X** | Analysis and interpretation of data |
| **X** | Drafting of manuscript |
| **X** | Critical revision |
|  | Other contribution: |

**Author 7:** Russell, Aaron P.

|  |  |
| --- | --- |
| **X** | Study conception and design |
|  | Acquisition of data |
| **X** | Analysis and interpretation of data |
|  | Drafting of manuscript |
| **X** | Critical revision |
|  | Other contribution: |

Submission process, assisted by Dra. Nandita Singh

**PEER REVIEWER’S SUGGESTION:**

**1.** Name: Gordon L. Warren

Institutional affiliation: Georgia State University / Atlanta, United States

Email: gwarren@gsu.edu

**2.** Name: Kaio Vitzel

Institutional affiliation: Massey University, University of New Zealand / New Zealand

Email: k.vitzel@massey.ac.nz

**3.** Name: Gordon Lynch

Institutional affiliation: University of Melbourne / Australia

Email: gsl@unimelb.edu.au

**4.** Name: Rui Curi

Institutional affiliation: University of Sao Paulo / Sao Paulo, Brazil

Email: ruicuri@icb.usp.br

**5.** Name: Leonardo dos Reis Silveira

Institutional affiliation: University of Campinas / Campinas, Brazil

Email: lrs@icb.usp.br

**6.** Name: Sandro M. Hirabara

Institutional affiliation: University of Sao Paulo / Sao Paulo, Brazil

Email: sandromh@yahoo.com.br