Dear Editor,

Please find enclosed a manuscript by Jourdain et al. entitled “Mouse models of cancer-induced cachexia: hind limb muscle mass and evoked force as readouts”. We kindly ask the manuscript to be considered for publication in *Journal of Visualized Experiments* as a research article. Cachexia associated with advanced cancer is a severe symptom reducing quality of life and life expectancy of cancer patients. Currently, no effective therapies are available to treat cachexia.

We describe here detailed protocols to generate and evaluate two murine models of cancer-cachexia, one syngeneic and one xenograft. Furthermore, readouts such as Magnetic Resonance Imaging (MRI) and evoked force measurement that are used to evaluate muscle mass, volume and function are described. This protocol will allow the testing of potential therapeutic agents for the treatment of cachexia.

We hope you agree that this study is appropriate for consideration in *Journal of Visualized Experiments*.

Best regards,

Shinji Hatakeyama, Ph.D.