# MU logo

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Science Editor

Journal of Visualized Experiments

17 Sellers Street  
Cambridge, MA 02139

June 22nd, 2012

Dear Dr. Standen,

We would like to submit a manuscript entitled “Ex vivo evaluation of the EDL muscle contractile and passive properties and in situ evaluation of the TA muscle contractility” for publication consideration in the Journalof Visualized Experiments (JoVE).

Body movement is mainly provided by the mechanical function of skeletal muscle. This can be further defined by the contractile and passive properties of skeletal muscle. Changes in these properties are often associated with various muscle diseases. For example, in Duchenne muscular dystrophy (DMD), a severe muscle wasting disease, muscle force is reduced and passive properties are altered. Accurate measurement of these properties is critical to evaluate disease progression and to determine therapeutic efficacy of novel gene/cell/pharmacological interventions. Here, we present methods to evaluate both contractile and passive mechanical properties of the extensor digitorum longus (EDL) muscle and the contractile properties of the tibialis anterior (TA) muscle.

All authors have read and approved all versions of the manuscript, its content, and its submission.

Thank you for considering our manuscript and we look forward to hear from you soon.

Sincerely,

Dongsheng Duan, Ph.D.

Professor