

## Accepted Manuscript

Between-muscle differences in coactivation assessed using elastography

Simon Avrillon, François Hug, Gaël Guilhem

PII: S1050-6411(18)30176-7

DOI: <https://doi.org/10.1016/j.jelekin.2018.09.007>

Reference: JJEK 2240

To appear in: *Journal of Electromyography and Kinesiology*

Received Date: 23 April 2018

Revised Date: 11 September 2018

Accepted Date: 20 September 2018



Please cite this article as: S. Avrillon, F. Hug, G. Guilhem, Between-muscle differences in coactivation assessed using elastography, *Journal of Electromyography and Kinesiology* (2018), doi: <https://doi.org/10.1016/j.jelekin.2018.09.007>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Between-muscle differences in coactivation assessed using elastography**

Type of Article: ORIGINAL ARTICLE

Simon AVRILLON<sup>1</sup>, François HUG<sup>2,3</sup>, Gaël GUILHEM<sup>1\*</sup>

<sup>1</sup> French Institute of Sport (INSEP), Research Department, Laboratory Sport, Expertise and Performance (EA 7370) Paris, France

<sup>2</sup> University of Nantes, Faculty of Sport Sciences, Laboratory Movement, Interactions, Performance (EA 4334), Nantes, France

<sup>3</sup> Institut Universitaire de France (IUF), Paris, France

**\*Correspondence and reprints:**

Gaël Guilhem, PhD

Institut National du Sport, de l'Expertise et de la Performance

Département de la Recherche

Laboratoire Sport, Expertise et Performance (EA 7370)

11, avenue du Tremblay

75012 Paris, France

Tel: +33 (0)1 41 74 43 36

Fax: +33 (0)1 41 75 45 35

e-mail: [gael.guilhem@insep.fr](mailto:gael.guilhem@insep.fr)**Running title:** Thigh muscle coactivation

**Acknowledgments:** S. Avrillon is supported by a scholarship funded by the French Ministry of Research. F. Hug is supported by a fellowship from the Institut Universitaire de France (IUF). This study was partly supported by a grant from the Région Pays de la Loire (QUETE project, no. 2015-09035).

**Conflict of interest:** no conflicts of interest, financial or otherwise, are declared by the authors.

**Keywords:** Hamstrings; Quadriceps; Muscle coactivity; Shear wave elastography; Surface electromyography

Download English Version:

<https://daneshyari.com/en/article/11032680>

Download Persian Version:

<https://daneshyari.com/article/11032680>

[Daneshyari.com](https://daneshyari.com)