

LISTE DE PUBLICATIONS ET COMMUNICATIONS

PUBLICATIONS INDEXEES DANS DES JOURNAUX INTERNATIONAUX A COMITE DE LECTURE

1. Simoneau EM, **Billot M**, Martin A, Perennou D, Van Hoecke J. Difficult memory task during postural tasks of various difficulties in young and older people: a pilot study. Clin Neurophysiol. 2008 May;119(5):1158-65.
2. Simoneau EM, **Billot M**, Martin A, Van Hoecke J. Antagonist mechanical contribution to resultant maximal torque at the ankle joint in young and older men. J Electromyogr Kinesiol. 2009 Apr;19(2):e123-31.
3. **Billot M**, Simoneau E, Van Hoecke J, Martin A. Coactivation at the ankle joint is not sufficient to estimate agonist and antagonist mechanical contribution. Muscle Nerve. 2010 Apr;41(4):511-8.
4. ***Billot M**, Simoneau EM, Van Hoecke J, Martin A. Age-related relative increases in electromyography activity and torque according to the maximal capacity during upright standing. Eur J Appl Physiol. 2010 Jul;109(4):669-80.
5. **Billot M**, Martin A, Paizis C, Cometti C, Babault N. Effects of an electrostimulation training program on strength, jumping, and kicking capacities in soccer players. J Strength Cond Res. 2010 May;24(5):1407-13.
6. **Billot M**, Simoneau EM, Ballay Y, Van Hoecke J, Martin A. How the ankle joint angle alters the antagonist and agonist torques during maximal efforts in dorsi- and plantar flexion. Scand J Med Sci Sports. 2011 Dec;21(6):e273-81.
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8. **Billot M**, Handrigan GA, Simoneau M, Corbeil P, Teasdale N. Short term alteration of balance control after a reduction of plantar mechanoreceptor sensation through cooling. Neurosci Lett. 2013 Feb 22;535:40-4.
9. Papaiordanidou M, **Billot M**, Varray A, Martin A. Neuromuscular fatigue is not different between constant and variable frequency stimulation. PLoS One. 2014 Jan 2;9(1):e84740.
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11. **Billot M**, Duclay J, Simoneau-Buessinger EM, Ballay Y, Martin A. Is co-contraction responsible for the decline in maximal knee joint torque in older males? Age (Dordr). 2014 Apr;36(2):899-910.
12. Derosière G, **Billot M**, Ward ET, Perrey S. Adaptations of motor neural structures' activity to lapses in attention. Cereb Cortex. 2015 Jan;25(1):66-74.
13. **Billot M**, Handrigan GA, Simoneau M, Teasdale N. Reduced plantar sole sensitivity induces balance control modifications to compensate ankle tendon vibration and vision deprivation. J Electromyogr Kinesiol. 2015 Feb;25(1):155-60.

14. Alexandre F, Derosiere G, Papaioordanidou M, **Billot M**, Varray A. Cortical motor output decreases after neuromuscular fatigue induced by electrical stimulation of the plantar flexor muscles. *Acta Physiol (Oxf)*. 2015 May;214(1):124-34.
15. **Billot M**, Teasdale N, Gagné Lemieux L, Germain-Robitaille M, Simoneau M. Reduced plantar sole sensitivity facilitates early adaptation to a visual rotation pointing task when standing upright. *J Hum Kinet*. 2016 Sep 10;52:65-74.
16. Bernard PL, Edouard P, Tallon G, Perrey S, **Billot M**, Blain H, Codine P, Degache F. Influence of recovery time on strength during a testing protocol of knee. *Journal de Traumatologie du Sport*, 2016 33 (3), 161-166.
17. **Billot M**, Neige C, Gagné M, Mercier C, Bouyer LJ. Effect of Cutaneous Heat Pain on Corticospinal Excitability of the Tibialis Anterior at Rest and during Submaximal Contraction. *Neural Plast*. 2018 Apr 26;2018:8713218.
18. **Billot M**, Daycard M, Wood C, Tchalla A. Reiki therapy for pain, anxiety and quality of life. *BMJ Support Palliat Care*. 2019 Dec;9(4):434-438.
19. **Billot M**, Jaglin P, Rainville P, Rigoard P, Langlois P, Cardinaud N, Tchalla A, Wood C. Hypnosis Program Effectiveness in a 12-week Home Care Intervention To Manage Chronic Pain in Elderly Women: A Pilot Trial. *Clin Ther*. 2020 Jan;42(1):221-229.
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21. **Billot M**, Calvani R, Urtamo A, Sánchez-Sánchez JL, Ciccolari-Micaldi C, Chang M, Roller-Wirnsberger R, Wirnsberger G, Sinclair A, Vaquero-Pinto N, Jyväkorpi S, Öhman H, Strandberg T, Schols JMGA, Schols AMWJ, Smeets N, Topinkova E, Michalkova H, Bonfigli AR, Lattanzio F, Rodríguez-Mañas L, Coelho-Júnior H, Broccatelli M, D'Elia ME, Biscotti D, Marzetti E, Freiburger E. Preserving Mobility in Older Adults with Physical Frailty and Sarcopenia: Opportunities, Challenges, and Recommendations for Physical Activity Interventions. *Clin Interv Aging*. 2020 Sep 16;15:1675-1690.
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24. Jyväkorpi SK, Ramel A, Strandberg TE, Piotrowicz K, Błaszczak-Bębenek E, Urtamo A, Rempe HM, Geirsdóttir Ó, Vágnerová T, **Billot M**, Larreur A, Savera G, Soriano G, Picauron C, Tagliaferri S, Sanchez-Puelles C, Cadenas VS, Perl A, Tirrel L, Öhman H, Weling-Scheepers C, Ambrosi S, Costantini A, Pavelková K, Klimkova M, Freiburger E, Jonsson PV, Marzetti E, Pitkälä KH, Landi F, Calvani R; SPRINTT consortium. The sarcopenia and physical frailty in older people:

- multi-component treatment strategies (SPRINTT) project: description and feasibility of a nutrition intervention in community-dwelling older Europeans. *Eur Geriatr Med*. 2021 Apr;12(2):303-312.
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 33. Aubert K, Germaneau A, Rochette M, Ye W, Severyns M, **Billot M**, Rigoard P, Vendevre T. Development of Digital Twins to Optimize Trauma Surgery and Postoperative Management. A Case Study Focusing on Tibial Plateau Fracture. *Front Bioeng Biotechnol*. 2021 Oct 7;9:722275.
 34. Ounajim A, **Billot M**, Louis PY, Slaoui Y, Frasca D, Goudman L, Roulaud M, Naiditch N, Lorgeoux B, Baron S, Nivole K, Many M, Adjali N, Page P, Bouche B, Charrier E, Poupin L, Rannou D, de Montgazon GB, Roy-Moreau B, Wood C, Rigoard R, David R, Moens M, Rigoard P. Finite Mixture Models Based on Pain Intensity, Functional Disability and Psychological Distress Composite Assessment Allow Identification of Two Distinct Classes of Persistent Spinal Pain Syndrome after Surgery Patients Related to Their Quality of Life. *J Clin Med*. 2021 Oct 13;10(20):4676.
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58. Goudman L, Jansen J, De Smedt A, **Billot M**, Roulaud M, Rigoard P, Moens M. Virtual Reality during Intrathecal Pump Refills in Children: A Case Series. *J Clin Med*. 2022 Oct 5;11(19):5877.
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pain syndrome type II treated by subthreshold spinal cord stimulation compared to best medical treatment: a study protocol for a multicentric randomised controlled trial (TRADITION). *Trials*. 2023 Feb 20;24(1):120.

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