

UNIVERSITATEA „BABEȘ-BOLYAI” DIN CLUJ-NAPOCA

Institutul de Studii Doctorale

Școala Doctorală Educație Fizică și Sport

Conducător de doctorat: Prof. Daniel Courteix

Tematica pentru proba scrisă de specialitate la concursul de admitere 2019 – 2020

1. Analysis of physiological parameters of health in relation to physical activity
2. Body composition, bone tissue and physical activity: what place for nutrition?
3. Multidisciplinary approach of health towards an improvement of sports performance.
4. Sport in a female context: taking into account the specificity of hormonal activity according to the period of growth and aging
5. The relevance of Heart rate variability analysis in health and performance management

Bibliografie

1. Tremblay A, Dutheil F, Drapeau V, Metz L, Lesourd B, Chapier R, Pereira B, Verney J, Baker JS, Vinet A, Walther G, Obert P, Courteix D, Thivel D. Long-term effects of high intensity resistance and endurance exercise on plasma leptin and ghrelin in overweight individuals: the RESOLVE Study. *Appl Physiol Nutr Metab*. 2019 Mar 15. doi: 10.1139/apnm-2019-0019.
2. Ubago-Guisado E, Vlachopoulos D, Fatouros IG, Deli CK, Leontsini D, Moreno LA, Courteix D, Gracia-Marco L. Longitudinal determinants of 12-month changes on bone health in adolescent male athletes. *Arch Osteoporos*. 2018 Oct 10;13(1):106.
3. Chaplais E, Naughton G, Dutheil F, Masurier J, Greene D, Pereira B, Duclos M, Thivel D, Courteix D. Geometric and Mechanical Bone Response to a Multidisciplinary Weight Loss Intervention in Adolescents With Obesity: The ADIBOX Study. *J Clin Densitom*. 2018 Jun 19. pii: S1094-6950(18)30128-8. doi: 10.1016/j.jocd.2018.06.002.
4. Naughton G, Greene D, Courteix D, Baxter-Jones A. Resilient, Responsive, and Healthy Developing Bones: The Good News About Exercise and Bone in Children and Youth. *Pediatr Exerc Sci*. 2017 Oct 11:1-3. doi: 10.1123/pes.2017-0205.
5. Chaplais E, Naughton G, Greene D, Dutheil F, Pereira B, Thivel D, Courteix D. Effects of interventions with a physical activity component on bone health in obese children and adolescents: a systematic review and meta-analysis. *J Bone Miner Metab*. 2017 Aug 4. doi: 10.1007/s00774-017-0858-z.
6. Tavares ÓM, Valente-Dos-Santos J, Duarte JP, Póvoas SC, Gobbo LA, Fernandes RA, Marinho DA, Casanova JM, Sherar LB, Courteix D, Coelho-E-Silva MJ. Concurrent agreement between an anthropometric model to predict thigh volume and dual-energy X-Ray absorptiometry assessment in female volleyball players aged 14-18 years. *BMC Pediatr*. 2016 Nov 24;16(1):190.
7. Boudet G, Walther G, Courteix D, Obert P, Lesourd B, Pereira B, Chapier R, Vinet A, Chamoux A, Naughton G, Poirier P, Dutheil F. Paradoxical dissociation between heart rate and heart rate variability following different modalities of exercise in individuals with

metabolic syndrome: The RESOLVE study. *Eur J Prev Cardiol.* 2016 Nov 17. pii: 2047487316679523.

8. Lore Metz, Maude Gerbaix, Aurélie Masgrau, Christelle Guillet, Stéphane Walrand, Nathalie Boisseau, Yves Boirie, Daniel Courteix. Nutritional and exercise interventions variably affect estrogen receptor expression in the adipose tissue of male rats. *Nutr Res.* 2016 Mar;36(3):280-9. doi: Dec 7.
9. Courteix D, Valente-Dos-Santos J, Ferry B, Lac G, Lesourd B, Chapier R, Naughton G, Marceau G, Coelho-E-Silva MJ, Vinet A, Walther G, Obert P, Dutheil F Multilevel Approach of a 1-Year Program of Dietary and Exercise Interventions on Bone Mineral Content and Density in Metabolic Syndrome – the RESOLVE Randomized
10. Ferry Béatrice, Eric Lespessailles, Pierre Rochcongar, Martine Duclos, and Daniel Courteix. Bone health during late adolescence: effects of an 8-month training program on bone geometry in female athletes. *Joint Bone Spine.* 2013 Jan;80(1):57-63.