

Publications 2015

1. Ennequin G, Boisseau N, Caillaud K, Chavanelle V, Etienne M, Li X, Montaurier C, Sirvent P: Neuregulin 1 affects leptin levels, food intake and weight gain in normal-weight, but not obese, db/db mice. *Diabetes Metab* 2015;41:168-172.
2. Ennequin G, Boisseau N, Caillaud K, Chavanelle V, Gerbaix M, Metz L, Etienne M, Walrand S, Masgrau A, Guillet C, Courteix D, Niu A, Li YP, Capel F, Sirvent P: Exercise training and return to a well-balanced diet activate the neuregulin 1/ErbB pathway in skeletal muscle of obese rats. *J Physiol*. 2015;593:2665-2677.
3. Kluka V, Martin V, Garcia-Vicencio S, Jegu AG, Cardenoux C, Morio C, Coudeyre E, Ratel S: Effect of muscle length on voluntary activation level in children and adults. *Med Sci Sports Exerc* 2015;47:718-724.
4. Ratel S, Kluka V, Garcia-Vicencio S, Jegu AG, Cardenoux C, Morio C, Coudeyre E, Martin V: Insights into the Mechanisms of Neuromuscular Fatigue in Boys and Men. *Med Sci Sports Exerc* 2015;47:2319-2328.
5. Rochette E, Duché P, Merlin E: Juvenile idiopathic arthritis and physical activity: possible inflammatory and immune modulation and tracks for interventions in young populations. *Autoimmun Rev* 2015;14:726-734.
6. Vinet A, Obert P, Dutheil F, Diagne L, Chapier R, Lesourd B, Courteix D, Walther G: Impact of a lifestyle program on vascular insulin resistance in metabolic syndrome subjects: the RESOLVE study. *J Clin Endocrinol Metab* 2015;100:442-450.
7. Boudenot A, Maurel DB, Pallu S, Ingrand I, Boisseau N, Jaffré C, Portier H: Quick benefits of interval training versus continuous training on bone: a dual-energy X-ray absorptiometry comparative study. *Int J Exp Pathol* 2015;96:370-377.
8. Chaplain E, Naughton G, Thivel D, Courteix D, Greene D: Smartphone Interventions for Weight Treatment and Behavioral Change in Pediatric Obesity: A Systematic Review. *Telemed J E Health* 2015;21:822-830.
9. Chaplain E, Thivel D, Greene D, Dutheil F, Duche P, Naughton G, Courteix D: Bone-adiposity cross-talk: implications for pediatric obesity. A narrative review of literature. *J Bone Miner Metab* 2015;33:592-602.
10. Chaput JP, Schwartz C, Boirie Y, Duclos M, Tremblay A, Thivel D: Energy intake adaptations to acute isoenergetic active video games and exercise are similar in obese adolescents. *Eur J Clin Nutr* 2015;69:1267-1271.
11. 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: Correction: Multilevel Approach of a 1-Year Program of Dietary and Exercise Interventions on Bone Mineral Content and Density in Metabolic Syndrome - the RESOLVE Randomized Controlled Trial. *PLoS One* 2015;10:e0140307.
12. Courteix D, Valente-dos-Santos J, Ferry B, Lac G, Lesourd B, Chapier R, Naughton G, Marceau G, João Coelho-e-Silva M, 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 Controlled Trial. *PLoS One* 2015;10:e0136491.

- Ennequin G, Boisseau N, Caillaud K, Chavanelle V, Etienne M, Li X, Sirvent P: Neuregulin 1 Improves Glucose Tolerance in db/db Mice. *PLoS One* 2015;10:e0130568.
- 14.** Farnbach SN, Thivel D, Meyermann K, Keller KL: Intake at a single, palatable buffet test meal is associated with total body fat and regional fat distribution in children. *Appetite* 2015;92:233-239.
- 15.** Garcia-Vicencio S, Martin V, Kluka V, Cardenoux C, Jegu AG, Fourot AV, Coudeyre E, Ratel S: Obesity-related differences in neuromuscular fatigue in adolescent girls. *Eur J Appl Physiol* 2015;115:2421-2432.
- 16.** Groussard C, Rouchon-Isnard M, Coutard C, Romain F, Malardé L, Lemoine-Morel S, Martin B, Pereira B, Boisseau N: Beneficial effects of an intradialytic cycling training program in patients with end-stage kidney disease. *Appl Physiol Nutr Metab* 2015;40:550-556.
- 17.** Isacco L, Thivel D, Pereira B, Duclos M, Boisseau N: Maximal fat oxidation, but not aerobic capacity, is affected by oral contraceptive use in young healthy women. *Eur J Appl Physiol* 2015;115:937-945.
- 18.** Lambert K, Coisy-Quivy M, Bisbal C, Sirvent P, Hugon G, Mercier J, Avignon A, Sultan A: Grape polyphenols supplementation reduces muscle atrophy in a mouse model of chronic inflammation. *Nutrition* 2015;31:1275-1283.
- 19.** Martin V, Kluka V, Garcia Vicencio S, Maso F, Ratel S: Children have a reduced maximal voluntary activation level of the adductor pollicis muscle compared to adults. *Eur J Appl Physiol* 2015;115:1485-1491.
- 20.** Metz L, Deleuze T, Pereira B, Thivel D: Nutritional Adaptations in Elite Soccer Referees: First Evidence and Perspectives. *J Hum Kinet* 2015;46:77-83.
- 21.** Py G, Ramonatxo C, Sirvent P, Sanchez AM, Philippe AG, Douillard A, Galbès O, Lionne C, Bonnieu A, Chopard A, Cazorla O, Lacampagne A, Candau RB: Chronic clenbuterol treatment compromises force production without directly altering skeletal muscle contractile machinery. *J Physiol* 2015;593:2071-2084.
- 22.** Schwartz C, Thivel D: PYY3-36 and hunger responses to exercise in obese adolescent girls: which effects on effective energy intake? *Pediatr Exerc Sci* 2015;27:175-176.
- 23.** Thivel D, Isacco L, Aucouturier J, Pereira B, Lazaar N, Ratel S, Doré E, Duché P: Bedtime and sleep timing but not sleep duration are associated with eating habits in primary school children. *J Dev Behav Pediatr* 2015;36:158-165.
- 24.** Thivel D, O'Malley G, Pereira B, Duché P, Aucouturier J: Comparison of total body and abdominal adiposity indexes to dual x-ray absorptiometry scan in obese adolescents. *Am J Hum Biol* 2015;27:334-338.
- 25.** Thivel D, Maso F, Aouiche S, Coignet B, Doré E, Duché P: Nutritional responses to acute training sessions in young elite rugby players. *Appetite* 2015;84:316-321.
- 26.** Verney J, Schwartz C, Amiche S, Pereira B, Thivel D: Comparisons of a Multi-Frequency Bioelectrical Impedance Analysis to the Dual-Energy X-Ray Absorptiometry Scan in Healthy Young Adults Depending on their Physical Activity Level. *J Hum Kinet* 2015;47:73-80.
- 27.** Walther G, Obert P, Dutheil F, Chapier R, Lesourd B, Naughton G, Courteix D, Vinet A: Metabolic syndrome individuals with and without type 2 diabetes mellitus present generalized vascular dysfunction: cross-sectional study. *Arterioscler Thromb Vasc Biol* 2015;35:1022-1029.

28. Zghal F, Cottin F, Kenoun I, Rebaï H, Moalla W, Dogui M, Tabka Z, Martin V: Improved tolerance of peripheral fatigue by the central nervous system after endurance training. Eur J Appl Physiol 2015;115:1401-1415.
29. Zoll J, Bouitbir J, Sirvent P, Klein A, Charton A, Jimenez L, Péronnet FR, Geny B, Richard R: Apparent Km of mitochondria for oxygen computed from Vmax measured in permeabilized muscle fibers is lower in water enriched in oxygen by electrolysis than injection. Drug Des Devel Ther 2015;9:3589-3597.
30. Chaplais E, Thivel D, Greene D, Dutheil F, Duché P, Naughton G & Courteix D: Bone-adiposity cross-talk: implications for pediatric obesity. A narrative review of literature. J Bone Miner Metab, 2015;33, 592-602.
31. Rochette E, Duché P & Merlin E: Juvenile idiopathic arthritis and physical activity: possible inflammatory and immune modulation and tracks for interventions in young populations. Autoimmun Rev, 2015;14, 726-34.
32. Ratei S & Martin V: L'adolescence est-elle une période de levée des protections physiologiques au cours de l'exercice musculaire intense ? STAPS, 2015;36, 61-71.
33. Chaput JP, Schwartz C, Boirie Y, Duclos M, Tremblay A & Thivel D: Energy intake adaptations to acute isoenergetic active video games and exercise are similar in obese adolescents. Eur J Clin Nutr, 2015;69, 1267-71.
34. 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: Correction: Multilevel Approach of a 1-Year Program of Dietary and Exercise Interventions on Bone Mineral Content and Density in Metabolic Syndrome - the RESOLVE Randomized Controlled Trial. PLoS One, 2015;10, e0140307.
35. Courteix D, Valente-dos-Santos J, Ferry B, Lac G, Lesourd B, Chapier R, Naughton G, Marceau G, João Coelho-e-Silva M, 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 Controlled Trial. PLoS One, 2015;10, e0136491.
36. Farnbach SN, Thivel D, Meyermann K & Keller KL: Intake at a single, palatable buffet test meal is associated with total body fat and regional fat distribution in children. Appetite, 2015;92, 233-9.
37. Garcia-Vicencio S, Martin V, Kluka V, Cardenoux C, Jegu AG, Fourot AV, Coudeyre E & Ratei S: Obesity-related differences in neuromuscular fatigue in adolescent girls. Eur J Appl Physiol, 2015;115, 2421-32.
38. Groussard C, Rouchon-Isnard M, Coutard C, Romain F, Malardé L, Lemoine-Morel S, Martin B, Pereira B & Boisseau N: Beneficial effects of an intradialytic cycling training program in patients with end-stage kidney disease. Appl Physiol Nutr Metab, 2015;40, 550-6.
39. Isacco L, Thivel D, Pereira B, Duclos M & Boisseau N: Maximal fat oxidation, but not aerobic capacity, is affected by oral contraceptive use in young healthy women. Eur J Appl Physiol, 2015;115, 937-45.
40. Thivel D, O'Malley G, Pereira B, Duché P & Aucouturier J: Comparison of total body and abdominal adiposity indexes to dual x-ray absorptiometry scan in obese adolescents. Am J Hum Biol, 2015;27, 334-8.

41. Vinet A, Obert P, Dutheil F, Diagne L, Chapier R, Lesourd B, Courteix D & Walther G: Impact of a lifestyle program on vascular insulin resistance in metabolic syndrome subjects: the RESOLVE study. J Clin Endocrinol Metab, 2015;100, 442-50.
42. Walther G, Obert P, Dutheil F, Chapier R, Lesourd B, Naughton G, Courteix D & Vinet A: Metabolic syndrome individuals with and without type 2 diabetes mellitus present generalized vascular dysfunction: cross-sectional study. Arterioscler Thromb Vasc Biol, 2015;35, 1022-9.

<https://ame2p.uca.fr/publications-2015>(<https://ame2p.uca.fr/publications-2015>)