



Curriculum Vitae

Personal information

First name(s) / Surname(s)	Claudio L. Lafortuna
E-mail	claudio.lafortuna@cnr.it
Nationality	Italian
Date of birth	July 27 th , 1953
Address	Istituto di Bioimmagini e Fisiologia Molecolare del CNR via Fratelli Cervi 93, 20090 SEGRATE (Milano), Italy

Work experience

1984 to present

Occupation or position held	Researcher
Main activities and responsibilities	Research activity in the field of exercise physiology: 1) human skeletal muscle structure-function relations in health and disease; 2) energy cost of human movement and locomotion; 3) cardio-vascular and metabolic responses to exercise in obesity/metabolic syndrome and during ageing; 4) e-health and m-health solutions for citizen self-engagement in healthy life-styles. Co-ordinator of Laboratorio di Biomeccanica "Franco Saibene". Co-ordinator of Laboratorio di Imaging Ecografico dei Sistemi Motori
Name and address of employer	Consiglio Nazionale delle Ricerche (CNR), Istituto di Bioimmagini e Fisiologia Molecolare, via Cervi,93, Segrate (Milano), Italy
Type of business or sector	Public body, research

2001 to present

Occupation or position held	Adjoined professor
Main activities and responsibilities	Teaching: Human Physiology, School of Medicine
Name and address of employer	Università degli Studi di Milano-Bicocca, Piazza dell'Ateneo Nuovo 1, Milano, Italy
Type of business or sector	Public body, university

1999 to 2012

Occupation or position held	Clinical Research Consultant
Main activities and responsibilities	Research designing: Exercise Physiology in Obesity and Metabolic Syndrome

Name and address of employer	Istituto Auxologico Italiano, IRCCS Via Ariosto 13, Milano, Italy
Type of business or sector	Private body, hospital
1985 to 1986	
Occupation or position held	Assistant Medecin
Main activities and responsibilities	Research: Alveolar gas transfer during exercise Teaching: Physiology (trainer to Travaux Pratiques),
Name and address of employer	Université de Genève, Département de Physiologie, Rue Michel-Servet 1, Genève, CH
Type of business or sector	Public body, university
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Education and training	
2002	
Title of qualification awarded	Certificate in Acupuncture
Principal subjects	Disease Diagnosis and Treatment with Traditional Chinese Medicine Theoretical System
Name and type of organisation providing education and training	College of Traditional Chinese Medicine, Nanjing University of Traditional Chinese Medicine, Nanjing, PRC
1981	
Title of qualification awarded	Postgraduate Degree In Angiology and Vascular Surgery
Name and type of organisation providing education and training	Università degli Studi di Milano, Milano, Italy
1978	
Title of qualification awarded	Degree in Medicine - (Doctor of Medicine, M.D.)
Name and type of organisation providing education and training	Università degli Studi di Milano, Milano, Italy
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Scientific projects	
2013 to 2017	PEGASO - PErsonalised GuidAncE Services for Optimising lifestyle in teen-agers through awareness, motivation and engagement (http://cordis.europa.eu/project/rcn/110906_en.html)
Financing source	EU-FP7
Whole project funding	EUR 8 934 000
Participant funding	EUR 1 008 755
Role	Participant (CNR) co-ordinator; WP leader
Website	http://pegasof4f.eu/home

2013 to 2016	D4ALL - Sw integration and advanced Human Machine Interfaces in design for Ambient Assisted Living (cod. CTN01_00128_297089)
Financing source	MIUR - Ministry of Education, Universities and Research (Italy)
Whole project funding	EUR 5 747 210
Participant funding	EUR 250 166
Role	Participant (CNR-IBFM) co-ordinator; Activity leader
Website	http://www.d4all.eu/
2013 to 2016	Active Ageing at Home (cod. CTN01_00128_297061)
Financing source	MIUR - Ministry of Education, Universities and Research (Italy)
Whole project funding	EUR 10 790 000
Participant funding	EUR 294 000
Role	Member of CNR-IBFM unit; Activity leader
Website	http://activeageingathome.eresult.it/
2013 to 2015	RIPRENDO@home - Recupero post-Ictus: Piattaforma per la Riabilitazione Neuromotoria orientata al DOmicilio (Recovery post-stroke: platforms for home-oriented neuro-motor rehabilitation)
Financing source	Regione Lombardia / Consiglio Nazionale delle Ricerche
Whole project funding	EUR 1 024 798
Participant funding	EUR 320 000
Role	Member of CNR-IBFM unit; Activity leader
Website	http://www.riprendoathome.it/it/
2012 to present	Invecchiamento: innovazioni tecnologiche e molecolari per un miglioramento della salute dell'anziano (Ageing: technological innovations and molecular advances for health improvements of older individuals)
Financing source	Consiglio Nazionale delle Ricerche
Role	Member of CNR-IBFM unit; WP leader
Website	http://www.progettoinvecchiamento.com/index.php/cms/it/home
2010 to 2012	TELESCOPE - Telehealth Services Code of Practice for Europe
Financing source	EU - Health Program 2008-2013
Whole project funding	EUR 580 000
Participant funding	EUR 55 000
Role	Member of Istituto Auxologico Italiano unit
Website	http://www.telehealthcode.eu/
2010 to 2011	PICKFIBER - Platform for International Collaborative Knowledge on Food Improvement Based on Ecological Resources
Financing source	INTERREG IVC Programme
Role	Member of CNR-IBFM unit
Website	http://www.innovation4welfare.eu/306/subprojects/pickfiber.html

Claudio L. Lafortuna
Scientific Publications
h-index: 25 (ISI-Web of Science)
h-index: 24 (Scopus)
h-index: 30 (Google Scholar)
(update: May, 2018)

List of the five most significant publications

Lafortuna CL, Minocci A, Capodaglio P, Gondoni LA, Sartorio A, Vismara L, Rizzo G, Grugni G. Skeletal muscle characteristics and motor performance after 2-year growth hormone treatment in adults with Prader-Willi syndrome. *J Clin Endocrinol Metab* (2014), 99:1816-1824.

Lafortuna CL, Lazzer S, Agosti F, Busti C, Galli R, Mazzilli G, Sartorio A. Metabolic responses to submaximal treadmill walking and cycle ergometer pedalling in obese adolescents. *Scand J Med Sci Sports*, (2010), 20: 630-637.

Lafortuna CL, Maffiuletti NA, Agosti F, Sartorio A. Gender variations of body composition, muscle strength and power output in morbid obesity. *Int J Obes (Lond)* (2005), 29: 833-841.

Lafortuna CL, Reinach E, Saibene F. The effect of locomotor respiratory coupling on the pattern of breathing in horses. *J Physiol (London)* (1996), 492:587-596.

di Prampero PE, Lafortuna CL. Breath-by-breath estimate of alveolar gas transfer variability in man at rest and during exercise. *J Physiol (London)* (1989), 415:459-475.

Complete list of publications

a) Original full-length articles in peer reviewed journals.

1. Caramenti M, Lafortuna CL, Mugellini E, Abou Khaled O, Bresciani JP, Dubois A. Matching optical flow to motor speed in virtual reality while running on a treadmill. *PLoS One*. 2018; 13:e0195781.
2. Orozco-Ruiz X, Pichardo-Ontiveros E, Tovar AR, Torres N, Medina-Vera I, Prinelli F, Lafortuna CL, Guevara-Cruz M. Reply-Letter to the Editor-Superiority of new predictive equation for resting energy expenditure. *Clin Nutr*. 2018; 37: 1085-1086.
3. Orozco-Ruiz X, Pichardo-Ontiveros E, Tovar AR, Torres N, Medina-Vera I, Prinelli F, Lafortuna CL, Guevara-Cruz M. Development and validation of new predictive equation for resting energy expenditure in adults with overweight and obesity. *Clin Nutr*. 2017 [Epub ahead of print].
4. Lafortuna CL, Tovar AR, Rastelli F, Tabozzi SA, Caramenti M, Orozco-Ruiz X, Aguilar-Lopez M, Guevara-Cruz M, Avila-Nava A, Torres N, Bertoli G. Clinical, functional, behavioural and epigenomic biomarkers of obesity. *Front Biosci (Landmark Ed)* (2017), 22:1655-1681.
5. Rivolta MW, Aktaruzzaman M, Rizzo G, Lafortuna CL, Ferrarin M, Bovi G, Bonardi DR, Sassi R. Automatic vs. clinical assessment of fall risk in older individuals: A proof of concept. *Conf Proc IEEE Eng Med Biol Soc*. (2015), 2015:6935-6938.
6. Rastelli F, Capodaglio P, Orgiu S, Santovito C, Caramenti M, Cadioli M, Falini A, Rizzo G, Lafortuna CL. Effects of muscle composition and architecture on specific strength in obese older women. *Exp Physiol* (2015), 100; 1159-1167.

7. Orgiu S, Lafortuna CL, Rastelli F, Cadioli M, Falini A, Rizzo G. Automatic muscle and fat segmentation in the thigh from T1-Weighted MRI. *J Magn Reson Imaging* (2015), 43: 601-610.
8. Carrino S, Caon M, Angelini L, Mugellini E, Abou Khaled O, Orte S, Vargiu E, Coulson N, Serrano JC, Tabozzi S, Lafortuna C, Rizzo G. PEGASO: A Personalised and Motivational ICT System to Empower Adolescents Towards Healthy Lifestyles. *Stud Health Technol Inform.* (2014), 207: 350-359.
9. Lafortuna CL, Tabozzi SA, Rizzo G. Functional brain imaging and its application to uncover mechanisms driving food intake in humans. *J Biomed Graph Comput* (2014), 4: 10-27.
10. Lafortuna CL, Minocci A, Capodaglio P, Gondoni LA, Sartorio A, Vismara L, Rizzo G, Grugni G. Skeletal muscle characteristics and motor performance after 2-year growth hormone treatment in adults with Prader-Willi syndrome. *J Clin Endocrinol Metab* (2014), 99:1816-1824.
11. Lafortuna CL, Tresoldi D, Rizzo G. Influence of body adiposity on structural characteristics of skeletal muscle in men and women. *Clin Physiol Funct I* (2014), 34: 47-55.
12. Lafortuna CL, Prinelli F, Adorni F, Agosti F, De Col A, Sartorio A. Effect of mechanical and metabolic factors on motor function and fatigue in obese men and women: a cross-sectional study. *J Endocrinol Invest* (2013), 36: 1062-1068.
13. Capodaglio P, Lafortuna C, Petroni ML, Salvadori A, Gondoni L, Castelnuovo G, Brunani A. Rationale for hospital-based rehabilitation in obesity with comorbidities. *Eur J Phys Rehabil Med* (2013), 49: 399-417.
14. Lafortuna CL, Agosti F, De Col A, Pera F, Adorni F, Sartorio A. Prevalence of the Metabolic Syndrome and Its Components among Obese Men and Women in Italy. *Obes Facts* (2012), 5: 127-137.
15. Scala PL, Di Pasquale D, Tresoldi D, Lafortuna CL, Rizzo G, Padula M. Ontology-supported clinical profiling for the evaluation of obesity and related comorbidities. *Stud Health Technol Inform* (2012), 180:1025-1029.
16. Herzog W, Sartorio A, Lafortuna CL, Kanehisa H, Fukunaga T, Dotan R, Falk B, Wood LE, Tonson A, Le Fur Y, Cozzone PJ, Bendahan D, Tolfrey K, Morse CI, O'Brien TD, Reeves ND, Baltzopoulos V, Jones DA, Maganaris CN, Lambertz D, Grosset JF, Perot C. Commentaries on Viewpoint: can muscle size fully account for strength differences between children and adults? *J Appl Physiol* (2011), 110: 1750-1753.
17. Sartorio A, Agosti F, De Col A, Compri E, Grugni G, Siegfried W, Adorni F, Lafortuna CL. The metabolic syndrome among obese adolescents. *J Endocrinol Invest* (2011), 34:729-730.
18. Sartorio A, Agosti F, De Col A, Marazzi N, Rastelli F, Chiavaroli S, Lafortuna CL, Cella SG, Rigamonti AE, Growth hormone and lactate responses induced by maximal isometric voluntary contractions and whole-body vibrations in healthy subjects. *J Endocrinol Invest* (2011), 34: 216-221.
19. Lafortuna CL, Chiavaroli S, Rastelli F, De Angelis M, Agosti F, Patrizi A, Sartorio A. Energy cost and cardiovascular response to upper and lower limb rhythmic exercise with different equipments in normal-weight and severely obese individuals. *J Endocrinol Invest* (2011), 34: 131-139.
20. Lazzer S, Lafortuna C, Busti C, Galli R, Agosti F, Sartorio A. Effects of low- and high-intensity exercise training on body composition and substrate metabolism in obese adolescents. *J Endocrinol Invest* (2011), 34: 45-52.
21. Sartorio A, Lafortuna CL, Maffiuletti NA, Agosti F, Marazzi N, Rastelli F, Rigamonti AE, Muller EE. GH responses to two consecutive bouts of whole body vibration, maximal voluntary contractions or vibration alternated with maximal voluntary contractions administered at 2-h intervals in healthy adults. *Growth Horm IGF Res* (2010), 20: 416-421.

22. Caranti DA, Sartorio A, de Piano A, Tock L, Lederman H, Minocci A, Agosti F, Patrizi A, de Mello MT, Tufik S, Lafortuna C, Damaso AR. Visceral adiposity cut-off points to indicate risk factor to develop the nonalcoholic fatty liver disease in Brazilian and Italian obese adolescents. *e-SPEN* (2010), 5: e238-e242.
23. Salvadego D, Lazzer S, Busti C, Galli R, Agosti F, Lafortuna C, Sartorio A, Grassi B. Gas exchange kinetics in obese adolescents. Inferences on exercise tolerance and prescription. *Am J Physiol Regul Integr Comp Physiol* (2010), 299: R1298–R1305.
24. Rigamonti AE, Agosti F, De Col A, Marazzi N, Lafortuna CL, Cella SG, Muller EE, Sartorio A. Changes in plasma levels of ghrelin, leptin and other hormonal and metabolic parameters following standardized breakfast, lunch and physical exercise before and after a multidisciplinary weight-reduction intervention in obese adolescents. *J Endocrinol Invest.* (2010), 33: 633-639.
25. Lafortuna CL, Adorni F, Agosti F, De Col A, Sievert K, Siegfried W, Sartorio A. Prevalence of the metabolic syndrome among extremely obese adolescents in Italy and Germany. *Diabetes Res Clin Pract* (2010), 88: 14-21.
26. Lafortuna CL, Lazzer S, Agosti F, Busti C, Galli R, Mazzilli G, Sartorio A. Metabolic responses to submaximal treadmill walking and cycle ergometer pedalling in obese adolescents. *Scand J Med Sci Sports*, (2010), 20: 630-637.
27. Lazzer S, Lafortuna C, Busti C, Galli R, Tinozzi T, Agosti F, Sartorio A. Fat oxidation rate during and after a low- or high-intensity exercise in severely obese Caucasian adolescents. *Eur J Appl Physiol* (2010), 108: 383-391.
28. Lazzer S, Bedogni G, Lafortuna CL, Marazzi N, Busti C, Galli R, De Col A, Agosti F, Sartorio A. Relationship between basal metabolic rate, gender, age and body composition in 8780 Caucasian obese subjects. *Obesity* (2009), 18: 71-78.
29. Lafortuna CL, Agosti F, Busti C, Galli R, Sartorio A. The energy cost of cycling and aerobic performance of obese adolescent girls. *J Endocrinol Invest* (2009), 32: 647-652.
30. Lafortuna CL, Adorni F, Agosti F, De Col A, Zennaro R, Caranti D, Sartorio A. Factor analysis of metabolic syndrome components in severely obese girls and boys. *J Endocrinol Invest* (2009), 32: 552-558.
31. Lazzer S, Busti C, Galli R, Boniello S, Agosti F, Lafortuna C, Sartorio A. Physical activity ratios for various commonly performed sedentary and physical activities in obese adolescents. *J Endocrinol Invest* (2009), 32: 79-82.
32. Lafortuna CL, Agosti F, Galli R, Busti C, Lazzer S, Sartorio A. The energetic and cardiovascular response to treadmill walking and cycle ergometer exercise in obese women. *Eur J Appl Physiol* (2008), 103:707-717.
33. Lafortuna CL, Adorni F, Agosti F, Sartorio A. Factor analysis of metabolic syndrome components in obese women. *Nutr Metab Cardiovasc Dis* (2008), 18: 233-241.
34. Sartorio A, Jubeau M, Agosti F, De Col A, Marazzi N, Lafortuna CL, Maffiuletti NA. GH responses to two consecutive bouts of neuromuscular electrical stimulation in healthy adults. *Eur J Endocrinol* (2008), 158: 311-316.
35. Sartorio A, Agosti F, De Col A, Mazzilli G, Marazzi N, Busti C, Galli R, Lafortuna CL. Muscle Strength and Power, Maximum Oxygen Consumption, and Body Composition in Middle-Aged Short-stature Adults with Childhood-onset Growth Hormone Deficiency. *Arch Med Res* (2008), 39: 78-83.
36. Maffiuletti NA, Jubeau M, Munzinger U, Bizzini M, Agosti F, De Col A, Lafortuna CL, Sartorio A. Differences in quadriceps muscle strength and fatigue between lean and obese subjects. *Eur J Appl Physiol* (2007), 101: 51-59.

37. Sartorio A, Adorni F, Lafortuna CL. Prevalence of the metabolic syndrome in obese women. *Diabetes Metab* (2007), 33: 393-394.
38. Sartorio A, Agosti F, Adorni F, Pera F, Lafortuna CL. Effect of age, degree and distribution of adiposity on the prevalence of the metabolic syndrome in a cohort of obese Italian women. *Diabetes Res Clin Pract* (2007), 78: 225-233.
39. Pirrone F, Albertini M, Clement MG, Lafortuna CL. Respiratory mechanics in Standardbred horses with sub-clinical inflammatory airway disease (IAD) and poor athletic performance. *Vet J* (2007), 173: 146-152.
40. Lafortuna CL, Agosti F, Proietti M, Adorni F, Sartorio A. The combined effect of adiposity, fat distribution and age on cardiovascular risk factors and motor disability in a cohort of obese women (aged 18-83). *J Endocrinol Invest* (2006), 29: 905-912.
41. Lafortuna CL, Proietti M, Agosti F, Sartorio A. The energy cost of cycling in young obese women. *Eur J Appl Physiol* (2006), 97: 16-25.
42. Sartorio A, Agosti F, De Col A, Lafortuna CL. Age- and gender-related variations of leg power output and body composition in severely obese children and adolescents. *J Endocrinol Invest* (2006), 29: 48-54.
43. Lafortuna CL, Rossi E. The treatment of chronic shoulder pain with wrist-ankle acupuncture. *J Chinese Medicine* (2006), 80: 56-60.
44. Sartorio A, Agosti F, Marinone PG, Proietti M, Lafortuna CL, Maffiuletti NA, Stokes K, Nevill M, Lakomy H, Frystyk J, Hall G. Growth hormone responses to repeated bouts of aerobic exercise with different recovery intervals. *J Appl Physiol* (2006), 100: 1093-1094 (letter).
45. Sartorio A, Maffiuletti NA, Agosti F, Lafortuna CL. Gender-related changes in body composition, muscle strength and power output after a short-term multidisciplinary-weight loss intervention in morbid obesity. *J Endocrinol Invest* (2005), 28: 494-501.
46. Sartorio A, Agosti F, Marinone PG, Proietti M, Lafortuna CL. Growth hormone responses to repeated bouts of aerobic exercise with different recovery intervals in cyclists. *J Endocrinol Invest* (2005), 28: RC11-RC14.
47. Maffiuletti NA, Agosti F, Marinone PG, Silvestri G, Lafortuna CL, Sartorio A. Changes in body composition, physical performance and cardiovascular risk factors after a 3-week integrated body weight reduction program and after 1-year follow-up in severely obese men and women. *Eur J Clin Nutr* (2005), 59: 685-694.
48. Lafortuna CL, Maffiuletti NA, Agosti F, Sartorio A. Gender variations of body composition, muscle strength and power output in morbid obesity. *Int J Obes (Lond)* (2005), 29: 833-841.
49. Maffiuletti NA, Agosti F, Proietti M, Riva D, Resnik M, Lafortuna CL, Sartorio A. Postural instability of extremely obese individuals improves after a body weight reduction program entailing specific balance training. *J Endocrinol Invest* (2005), 28: 2-7.
50. Maffiuletti NA, De Col A, Agosti F, Ottolini S, Moro D, Genchi M, Massarini M, Lafortuna CL, Sartorio A. Effect of a 3-week body mass reduction program on body composition, muscle function and motor performance in pubertal obese boys and girls. *J Endocrinol Invest* (2004), 27: 813-820.
51. Lafortuna CL, Agosti F, Marinone PG, Marazzi N, Sartorio A. The relationship between body composition and muscle power output in men and women with obesity, *J Endocrinol Invest* (2004), 27: 854-861.
52. Sartorio A, Lafortuna CL, Agosti F, Proietti M, Maffiuletti NA. Elderly obese women display the greatest improvement in stair climbing performance after a 3-wk body mass reduction program. *Int J Obes (Lond)* (2004), 28: 1097-1104.

53. Sartorio A, Maffiuletti NA, Agosti F, Marinone PG, Ottolini S, Lafortuna CL. Body mass reduction markedly improves muscle performance and body composition in obese females aged 61-75 years: comparison between the effects exerted by energy restricted diet plus moderate aerobic-strength training alone or associated with rec-GH or nandrolone undecaonate. *Eur J Endocrinol* (2004), 150: 511-515.
54. Sartorio A, Agosti F, Marazzi N, Trecate L, Silvestri G, Lafortuna C, Cappa M, De Palo E, Faglia G, Corradini C, Cella S, Rigamonti A, Müller EE. Gender-, age-, body composition- and training-dependent differences of GH response to a discipline-specific training session in elite athletes: a study on the field. *J Endocrinol Invest* (2004), 27: 121-129.
55. Sartorio A, Proietti M, Marinone PG, Agosti F, Adorni F, Lafortuna CL. Influence of gender, age and BMI on lower limb muscular power output in a large population of obese men and women. *Int J Obes (Lond)* (2004), 28: 91-98.
56. Ciminaghi B, Albertini M, Lafortuna CL, Mazzola S, Clement MG. Endothelin-1 (ET-1) involvement in respiratory dysfunctions during endotoxic shock in the pig. *Vet Res Commun.* (2003), 27 (Suppl 1): 221-224.
57. Lafortuna CL, Marinone PG, Ottolini S, Sartorio A. GH responses to a near-maximal exercise training session on-the-field in cyclists. *J Endocrinol Invest* (2003), 26: RC12-RC14.
58. Sartorio A, Lafortuna CL, Marinone PG, Tavani A, La Vecchia C, Bosetti C. Effects of two integrated, non-pharmacological body weight reduction programs on coronary heart disease risk factors in young obese patients. *Diab Nutr Metab* (2003), 16: 262-265.
59. Lafortuna CL, Jahoda M, Azzellino A, Saibene F, Colombini A. Locomotor behaviours and respiratory pattern of the Mediterranean fin whale (*Balaenoptera physalus*). *Eur J Appl Physiol* (2003), 90: 387-395.
60. Lafortuna CL, Saibene F, Albertini M, Clement MG. The regulation of respiratory resistance in exercising horses. *Eur J Appl Physiol* (2003), 90: 396-404.
61. Facchini M, Malfatto G, Sala L, Silvestri G, Fontana P, Lafortuna CL, Sartorio A. Changes of autonomic cardiac profile after a 3-week integrated body weight reduction program in severely obese patients. *J Endocrinol Invest* (2003), 26: 138-142.
62. Sartorio A, Ottolini S, Agosti F, Massarini M, Lafortuna CL. Three-week integrated body weight reduction program markedly improves performance and work capacity in severely obese patients. *Eat Weight Disord* (2003), 8: 107-113.
63. Sartorio A, Agosti F, Resnik M, Lafortuna CL. Effects of a 3-week integrated body weight reduction program on leptin levels and body composition in severe obese subjects. *J Endocrinol Invest* (2003), 26: 250-256.
64. Jahoda M, Lafortuna CL, Biassoni N, Almirante C, Azzellino A, Panigada S, Zanardelli M, Notarbartolo di Sciarra G. Mediterranean fin whale's (*Balaenoptera physalus*) response to disturbance assessed through passive tracking and timing of respiration. *Marine Mammal Science* (2003) 19:96-110.
65. Lafortuna CL, Resnik M, Galvani C, Sartorio A. Effects of non-specific versus individualised exercise training protocols on aerobic, anaerobic and strength performance in severely obese subjects during a short-term body mass reduction program. *J Endocrinol Invest* (2003), 26: 197-205.
66. Sartorio A, Fontana P, Trecate L, Lafortuna CL. Short-term changes of fatigability and muscle performance in severe obese patients after an integrated body mass reduction program. *Diab Nutr Metab* (2003), 16: 88-93.

67. Sartorio A, Lafortuna CL, Massarini M, Galvani C. Effects of different training protocols on exercise performance during a short-term body mass reduction program in severely obese patients. *Eating Weight Disord* (2003), 8: 36-43.
68. Sartorio A, Lafortuna CL, Silvestri G, Narici MV. Effects of short-term, integrated body mass reduction program on maximal oxygen consumption and anaerobic alactic performance in obese subjects. *Diab Nutr Metab* (2003), 16: 24-31.
69. Albertini M, Lafortuna CL, Clement MG, Mazzola S, Radice S, Hussain SNA. Effect of NO synthase inhibition on cardiovascular and pulmonary dysfunction in a porcine short-term model of endotoxic shock. *Prostaglandins Leukot Essent Fatty Acids* (2002), 67:365-372.
70. Sartorio A, Lafortuna CL, Pogliaghi S, Trecate L. The impact of gender, body dimension and body composition on hand-grip strength in healthy children. *J Endocrinol Invest* (2002), 25: 431-435.
71. Lafortuna CL, Fumagalli E, Vangeli V, Sartorio A. Lower limb alactic anaerobic power output assessed with different techniques in morbid obesity. *J Endocrinol Invest* (2002), 25: 134-141.
72. Sartorio A, Lafortuna CL, Pera F, Vangeli V, Fumagalli E, Bedogni G. Short-term effects of exercise on body water distribution of severely obese subjects as determined by bioelectrical impedance analysis. *Diab Nutr Metab* (2002), 15:252-255.
73. Albertini M, Lafortuna CL, Ciminaghi B, Mazzola S, Clement MG. Endothelin involvement on respiratory centres activity. *Prostaglandins Leukot Essent Fatty Acids* (2001), 65: 157-163.
74. Sartorio A., Lafortuna CL, Capodaglio P, Vangeli V, Narici MV, Faglia G. Effects of a 16-week progressive high-intensity strength training (HIST) on indexes of bone turnover in men over 65 years: a randomized controlled study. *J Endocrinol Invest* (2001), 24: 882-886.
75. Sartorio A, Lafortuna CL, Narici MV. Physical performance in GH-deficient adults. (Letter). *J Clin Endocr Metab* (2001), 86: 1839.
76. Sartorio A, Lafortuna CL, Vangeli V, Tavani A, Bosetti C, La Vecchia C. Short-term changes of cardiovascular risk factors after a non pharmacological body weight reduction program. *Eur J Clin Nutr* (2001), 55: 865-869.
77. Sartorio A, Narici MV, Fumagalli E, Faglia G, Lafortuna CL. Aerobic and anaerobic performance before and after a short-term body mass reduction program in obese patients. *Diab Nutr Metab* (2001), 14: 51-57.
78. Sartorio A, Lafortuna CL, Conte G, Faglia G, Narici MV. Changes in motor control and performance after a short term body mass reduction program in obese subjects. *J Endocrinol Invest* (2001), 24: 393-398.
79. Albertini M, Clement MG, Lafortuna CL, Caniatti M, Magder S, Abdulmalek K, Hussein SNA. Role of poly-(ADP-ribose) synthase in lipopolysaccharide-induced vascular failure and acute lung injury in pigs. *J Crit Care* (2000), 15: 73-83.
80. Lafortuna CL, Albertini M, Ferrucci F, Zucca E, Braghieri M, Clement MG, Saibene F. Laryngeal movements during the respiratory cycle measured with an endoscopic imaging technique in the conscious horse at rest. *Exp Physiol* (1999), 84:739-746.
81. Albertini M, Lafortuna C, Aguggini G. Effects of nitric oxide on diaphragmatic muscle endurance and strength in pigs. *Exp Physiol* (1997), 82:99-106.
82. Lafortuna CL, Reinach E, Saibene F. The effect of locomotor respiratory coupling on the pattern of breathing in horses. *J Physiol (London)* (1996), 492:587-596.

83. Ardigò L, Lafortuna C, Minetti AE, Mognoni P, Saibene F. Metabolic and mechanical aspects of foot landing type, forefoot and rearfoot strike, in human running. *Acta Physiol Scand* (1995), 155:17-22.
84. Lafortuna CL, Passerini L. A new instrument for the measurement of rib cage and abdomen circumference variation in respiration at rest and during exercise. *Eur J Appl Physiol* (1995), 71:259-265.
85. Lafortuna CL, Saibene F. Mechanics of breathing in horses at rest and during exercise. *J Exp Biol* (1991), 155:245-259.
86. di Prampero PE, Lafortuna CL. Breath-by-breath estimate of alveolar gas transfer variability in man at rest and during exercise. *J Physiol (London)* (1989), 415:459-475.
87. Minetti AE, Brambilla I, Lafortuna CL. Respiratory airflow pattern in patients with chronic airway obstruction. *Clin Physiol* (1987), 7:283-296.
88. Fazio F, Lafortuna CL. Beclomethasone dipropionate does not affect mucociliary clearance in patients with chronic obstructive lung disease. *Respiration* (1986), 50:62-65.
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