

CURRICULUM VITAE DI MARCO BONIFAZI

Marco Bonifazi, è professore di II fascia a tempo definito, nel ssd BIO/09-Fisiologia, afferente al Dipartimento di Scienze Mediche, Chirurgiche e Neuroscienze dell'Università di Siena 1240.

CURRICULUM DEGLI STUDI

- 1983 Laurea in Medicina e Chirurgia presso l'Università di Siena.
1986 Specializzazione in Medicina dello Sport presso la stessa Università.

CURRICULUM ACCADEMICO

- 1999 Ricercatore nella Facoltà di Medicina e Chirurgia dell'Università di Siena nel ssd E06A-Fisiologia Umana.
2003 Idoneo alla valutazione comparativa per professore di II fascia indetta dall'Università di Modena e Reggio Emilia, per il ssd BIO/09-Fisiologia.
2005 Professore associato nella Facoltà di Medicina e Chirurgia dell'Università di Siena nel ssd BIO/09-Fisiologia, a tempo definito dal 2014.
2017 Abilitazione scientifica nazionale a professore di I fascia nel s.c. 06/N2 – Scienze dell'esercizio fisico e dello sport.

ATTIVITA' DIDATTICA

Attualmente, insegna Fisiologia nei Corsi di Laurea di Medicina e Chirurgia e di Fisioterapia dell'Università di Siena 1240.

- 2003 Membro del Comitato per la Didattica del Corso di Laurea in Fisioterapia, ad oggi;
2010 Presidente dello stesso Comitato sino al 2014.
2012 Coordinatore della sede di Siena della Scuola di Specializzazione aggregata di Medicina dello Sport, con sede amministrativa a Firenze, sino al 2020.

ATTIVITA' SCIENTIFICA

Collaborazioni attuali

- Dipartimento di Scienze Mediche, Chirurgiche e Neuroscienze, Siena (prof. Alessandro Rossi, prof. Simone Rossi, prof.ssa Annamaria Aloisi).
- Dipartimento di Biotecnologie Mediche, Siena (prof. Flavio D'Ascenzi).
- Istituto di Scienza dello Sport, CONI, Roma (dr. Antonio Pelliccia).
- Dipartimento di Neuroscienze, Biomedicina e Movimento, Verona (prof.ssa Paola Zamparo).
- Dipartimento di Scienze per la Qualità della Vita, Bologna (prof. Giorgio Gatta).
- Dipartimento di Medicina dei Sistemi, Roma Tor Vergata (prof. Giovanni Melchiorri).
- Dipartimento di Scienze Motorie Umane e della Salute, Roma Foro Italico (prof.ssa Maria Francesca Piacentini).
- Centre d'Etude des Transformations des Activités Physiques et Sportives, Rouen (prof. Ludovic Seifert).
- Laboratoire de Modélisation des Activités Sportives Bâtiment Beaufortain, Savoie (prof. ssa Annie Rouard).

Linee di ricerca

- Variazioni ormonali indotte dall'esercizio e dall'allenamento.
- Effetti degli ormoni sul sistema nervoso.
- Valutazione funzionale degli atleti di diverse discipline, in particolare delle discipline natatorie, in relazione alla prestazione sportiva.
- Adattamenti funzionali cardiaci negli atleti indotti dall'allenamento.
- Identificazione dei fattori di rischio cardiaci nei praticanti attività sportiva
- Effetti dell'attività fisica sulla prevenzione primaria e secondaria

Autore di oltre 100 pubblicazioni su riviste internazionali

Finanziamenti per progetti di ricerca

- 2000 Coordinatore e responsabile scientifico del progetto "Effetti centrali e periferici del testosterone sul sistema motorio" finanziato dal PAR, Università di Siena.
- 2004 Coordinatore e responsabile scientifico del progetto "Effetti dell'allenamento sugli ormoni anabolizzanti e catabolizzanti endogeni nei nuotatori" finanziato dal Ministero della Salute – Commissione per la vigilanza e il controllo sul doping e per la salute nelle attività sportive.

Premi per la ricerca scientifica

- 1993 Premio C.U.S.I. per lo studio originale "Effetti della somministrazione di aminoacidi a catena ramificata sui livelli ormonali di giovani atlete".
- 2008 *ISICO Award* per la ricerca in riabilitazione.

Revisore di riviste internazionali

Psychoneuroendocrinology, International Journal of Sports Medicine, European Journal of Applied Physiology, British Journal of Sports Medicine e Medicina dello Sport.

ATTIVITA' ORGANIZZATIVA E DI ASSISTENZA SANITARIA

- 1988 Coordinatore Tecnico Scientifico del Centro Studi e Ricerche della Federazione Italiana Nuoto, ad oggi.
- 1992 Medico Federale della stessa Federazione, sino al 2000.
- 1999 Dirigente medico di I livello presso l'Unità Operativa di Medicina dello Sport di Siena, sino al 2008.
- 2001 Presidente Commissione Medica della Federazione Italiana Nuoto, ad oggi.
- 2014 Coordinatore tecnico dei Settori agonistici della stessa Federazione, ad oggi.

Ha partecipato, assistendo le squadre nazionali della Federazione Italiana Nuoto, a otto edizioni consecutive dei Giochi Olimpici, dal 1988 al 2016.

ONORIFICENZE

- 2005 Onorificenza di Commendatore Ordine al Merito della Repubblica Italiana conferita dal Presidente della Repubblica su proposta del Presidente del Consiglio dei Ministri.
- 2007 Stella di Bronzo al Merito sportivo conferita dal Comitato Olimpico Nazionale Italiano.
- 2015 Stella d'Argento al Merito sportivo conferita dallo stesso Comitato.

LAVORI SU RIVISTE INTERNAZIONALI CON IF

1. Cavigli L, Frascaro F, Turchini F, Mochi N, Sarto P, Bianchi S, Parri A, Carraro N, Valente S, Focardi M, Cameli M, Bonifazi M, D'Ascenzi F. A prospective study on the consequences of SARS-CoV-2 infection on the heart of young adult competitive athletes: Implications for a safe return-to-play. *Int J Cardiol.* 2021 336:130–6. doi: 10.1016/j.ijcard.2021.05.042.
2. Melchiorri G, Viero V, Bianchi D, Tancredi V, Bonifazi M, Campagna A, Triossi T. New aspects for match analysis to improve understanding of game scenario and training organization in top-level male water polo players. *J Sports Med Phys Fitness.* 2021. doi: 10.23736/S0022-4707.21.12189-9.
3. Ieno C, Baldassarre R, Pennacchi M, La Torre A, Bonifazi M, Piacentini MF. Monitoring Rating of Perceived Exertion Time in Zone: A Novel Method to Quantify Training Load in Elite Open-Water Swimmers? *Int J Sports Physiol Perform.* 2021. 23:1-5. doi: 10.1123/ijsp.2020-0707.
4. Baldassarre R, Ieno C, Bonifazi M, Piacentini MF. Pacing and Hazard Score of Elite Open Water Swimmers During a 5-km Indoor Pool Race. *Int J Sports Physiol Perform.* 2021. 12:1-6. doi: 10.1123/ijsp.2020-0197.
5. Baldassarre R, Ieno C, Bonifazi M, Di Castro A, Gianfelici A, Piacentini MF. Carbohydrate supplementation during a simulated 10-km open water swimming race: effects on physiological, perceptual parameters and performance. *Eur J Sport Sci.* 2021. 21:1-9. doi: 10.1080/17461391.2021.1880644.
6. Di Florio A, Fusi C, Anselmi F, Cavigli L, Focardi M, Cameli M, Felici A, Capitani M, Valente S, Bonifazi M, Zorzi A, Corrado D, Mondillo S, D'Ascenzi F. Clinical management of young competitive athletes with premature ventricular beats: A prospective cohort study. *Int J Cardiol.* 2021. 1;330:59-64. doi: 10.1016/j.ijcard.2021.02.021.
7. Anselmi F, Cangiano N, Fusi C, Berti B, Franchini A, Focardi M, Cameli M, Capitani M, Bonifazi M, Mondillo S, D'Ascenzi F. The determinants of positivisation of anterior T-wave inversion in children. *J Sports Med Phys Fitness.* 2020. doi: 10.23736/S0022-4707.20.11874-7.
8. Melchiorri G, Viero V, Tancredi V, Del Bianco R, Bonifazi M. Actual Playing Time of Water Polo Players in Relation to the Field Position. *Journal of Human Kinetics,* 2020. 73(1), 241-249.
9. Cavigli L, Olivotto I, Fattirolli F, Mochi N, Favilli S, Mondillo S, Bonifazi M, D'Ascenzi F. Prescribing, dosing and titrating exercise in patients with hypertrophic cardiomyopathy for prevention of comorbidities: Ready for prime time. *Eur J Prev Cardiol.* 2020. doi: 10.1177/2047487320928654.
10. Guignard B, Rouard A, Chollet D, Bonifazi M, Dalla Vedova D, Hart J, Seifert L. Coordination Dynamics of Upper Limbs in Swimming: Effects of Speed and Fluid Flow Manipulation. *Res Q Exerc Sport.* 2020. 91(3):433-444. doi: 10.1080/02701367.2019.1680787.
11. D'Ascenzi F, Anselmi F, Ceccon C, Baccani B, Sisti N, Gismondi A, Sciacaluga C, Aprile F, Fiorentini C, Graziano F, Franchini A, Berti B, Mandoli GE, Cameli

- M, Zorzi A, Bonifazi M, Mondillo S. The Acute Impact of an Ultramarathon on Right Heart: a 12-lead ECG study. *Scand J Med Sci Sports*. 2020;30(3):549-555 doi: 10.1111/sms.13597.
12. Ieno C, Baldassarre R, Quagliarotti C, Bonifazi M, Piacentini MF. Session RPE Breakpoints Corresponding to Intensity Thresholds in Elite OpenWater Swimmers. *J Funct Morphol Kinesiol*. 2020, 5, 21; doi:10.3390/jfmk5010021.
 13. Berti B, Momi D, Sprugnoli G, Neri F, Bonifazi M, Rossi A, Muscettola MM, Benocci R, Santarnecki E, Rossi S. Peculiarities of Functional Connectivity—including Cross-Modal Patterns—in Professional Karate Athletes: Correlations with Cognitive and Motor Performances. *Neural Plast* 2019. doi: 10.1155/2019/6807978.
 14. D'Ascenzi F, Anselmi F, Graziano F, Berti B, Franchini A, Bacci E, Ceccon C, Capitani M, Bonifazi M, Mondillo S. Normal and abnormal QT interval duration and its changes in preadolescents and adolescents practicing sport. *Europace*. 2019. 1;21(10):1566-1574. doi: 10.1093/europace/euz198.
 15. D'Ascenzi F, Anselmi F, Fiorentini C, Mannucci R, Bonifazi M, Mondillo S. The benefits of exercise in cancer patients and the criteria for exercise prescription in cardio-oncology. *Eur J Prev Cardiol*. 2019. 6:2047487319874900. doi: 10.1177/2047487319874900.
 16. D'Ascenzi F, Zorzi A, Alvino F, Bonifazi M, Mondillo S, Corrado D. Premature ventricular beats in young athletes: interpretation and diagnostic pathway. *G Ital Cardiol*. 2019. 20(4):229-241. doi: 10.1714/3126.31076. Italian.
 17. Baldassarre R, Pennacchi M, La Torre A, Bonifazi M, Piacentini MF. Do the Fastest Open-Water Swimmers have A Higher Speed in Middle- and Long-Distance Pool Swimming Events? *J Funct Morphol Kinesiol*. 2019. 4, 15; doi:10.3390/jfmk4010015.
 18. Guignard B, Rouard A, Chollet D, Bonifazi M, Dalla Vedova D, Hart J, Seifert L. Upper to Lower Limb Coordination Dynamics in Swimming Depending on Swimming Speed and Aquatic Environment Manipulations. *Motor Control*. 2019. 3:1-25. doi: 10.1123/mc.2018-0026.
 19. D'Ascenzi F, Anselmi F, Piu P, Fiorentini C, Carbone SF, Volterrani L, Focardi M, Bonifazi M, Mondillo S. Cardiac Magnetic Resonance Normal Reference Values of Biventricular Size and Function in Male Athlete's Heart. *JACC Cardiovasc Imaging*. 2018. pii: S1936-878X(18)30945-8. doi: 10.1016/j.jcmg.2018.09.021.
 20. Baldassarre R, Sacchetti M, Patrizio F, Nicolò A, Scotto di Palumbo A, Bonifazi M, Piacentini MF. Carbohydrate Supplementation Does Not Improve 10 km Swimming Intermittent Training. *Sports (Basel)*. 2018. 14;6(4). pii: E147. doi: 10.3390/sports6040147.
 21. Baldassarre R, Bonifazi M, Piacentini MF. Pacing profile in the main international open-water swimming competitions. *Eur J Sport Sci*. 2018. 6:1-10. doi: 10.1080/17461391.2018.1527946.

22. D'Ascenzi F, Anselmi F, Berti B, Capitani E, Chiti C, Franchini A, Graziano F, Nistri S, Focardi M, Capitani M, Corrado D, Bonifazi M, Mondillo S. Prevalence and significance of T-wave inversion in children practicing sport: A prospective, 4-year follow-up study. *Int J Cardiol.* 2018. pii: S0167-5273(18)35313-0. doi: 10.1016/j.ijcard.2018.09.069.
23. Puce L, Marinelli L, Pierantozzi E, Mori L, Pallecchi I, Bonifazi M, Bove M, Franchini E, Trompetto C. Training methods and analysis of races of a top level Paralympic swimming athlete. *J Exerc Rehabil.* 2018. 14(4):612-620. doi: 10.12965/jer.1836254.127.
24. Baldassarre R, Bonifazi M, Meeusen R, Piacentini MF. The Road to Rio: A Brief Report of Training-Load Distribution of Open-Water Swimmers During the Olympic Season. *Int J Sports Physiol Perform.* 2018. 24:1-13. doi: 10.1123/ijsp.2017-0845.
25. Giorgi A, Vicini M, Pollastri L, Lombardi E, Magni E, Andreazzoli A, Orsini M, Bonifazi M, Lukaski H, Gatterer H. Bioimpedance patterns and bioelectrical impedance vector analysis (BIVA) of road cyclists. *J Sports Sci.* 2018. 30:1-6. doi: 10.1080/02640414.2018.1470597.
26. Preziosi Standoli J, Fratolocchi F, Candela V, Preziosi Standoli T, Giannicola G, Bonifazi M, Gumina S. Scapular Dyskinesia in Young, Asymptomatic Elite Swimmers. *Orthop J Sports Med.* 2018. 6(1):2325967117750814. doi: 10.1177/2325967117750814.
27. D'Ascenzi F, Pelliccia A, Solari M, Piu P, Loiacono F, Anselmi F, Caselli S, Focardi M, Bonifazi M, Mondillo S. Normative Reference Values of Right Heart in Competitive Athletes: A Systematic Review and Meta-Analysis. *J Am Soc Echocardiogr.* 2017. (9):845-858.e2. doi: 10.1016/j.echo.2017.06.013.
28. Guignard B, Rouard A, Chollet D, Ayad O, Bonifazi M, Dalla Vedova D, Seifert L. Perception and action in swimming: Effects of aquatic environment on upper limb inter-segmental coordination. *Hum Mov Sci.* 2017. 55:240-254. doi: 10.1016/j.humov.2017.08.003.
29. Baldassarre R, Bonifazi M, Zamparo P, Piacentini MF. Characteristics and Challenges of Open-Water Swimming Performance: A Review. *Int J Sports Physiol Perform.* 2017. 1:1-35. doi: 10.1123/ijsp.2017-0230. [
30. D'Ascenzi F, Solari M, Anselmi F, Valentini F, Barbati R, Palmitesta P, Focardi M, Bonifazi M, Mondillo S. Electrocardiographic Changes Induced by Endurance Training and Pubertal Development in Male Children. *Am J Cardiol.* 2017. 1;119(5):795-801. doi: 10.1016/j.amjcard.2016.11.017.
31. D'Ascenzi F, Pelliccia A, Valentini F, Malandrino A, Natali BM, Barbati R, Focardi M, Bonifazi M, Mondillo S. Training-induced right ventricular remodelling in pre-adolescent endurance athletes: The athlete's heart in children. *Int J Cardiol.* 2017. pii: S0167-5273(16)34085-2. doi: 10.1016/j.ijcard.2017.01.121.
32. Melchiorri G, Viero V, Triossi T, Padua E, Bonifazi M. Shuttle swimming test in young water polo players: reliability, responsiveness and age related value. *J Sports Med Phys Fitness.* 2017. doi: 10.23736/S0022-4707.17.06909-2.

33. D'Ascenzi F, Solari M, Focardi M, Cameli M, Bonifazi M, Mondillo S. A rapid method to non-invasively estimate training-induced hemodynamic changes in top-level athletes. *J Sports Med Phys Fitness*. 2016; 56(10):1232-1238.
34. D'Ascenzi F, Solari M, Anselmi F, Maffei S, Focardi M, Bonifazi M, Mondillo S, Henein M. Atrial chamber remodelling in healthy pre-adolescent athletes engaged in endurance sports: A study with a longitudinal design. The CHILD study. *Int J Cardiol*. 2016; 14;223:325-330. doi: 10.1016/j.ijcard.2016.08.231.
35. D'Ascenzi F, Solari M, Mazzolai M, Cameli M, Lisi M, Andrei V, Focardi M, Bonifazi M, Mondillo S. Two-dimensional and three-dimensional left ventricular deformation analysis: a study in competitive athletes. *Int J Cardiovasc Imaging*. 2016.
36. D'Ascenzi F, Zorzi A, Alvino F, Bonifazi M, Corrado D, Mondillo S. The prevalence and clinical significance of premature ventricular beats in the athlete. *Scand J Med Sci Sports*. 2016. doi: 10.1111/sms.12679. [Epub ahead of print] Review. PubMed PMID: 27037505.
37. Cioncoloni D, Rosignoli D, Feurra M, Rossi S, Bonifazi M, Rossi A, Mazzocchio R. Role of brain hemispheric dominance in anticipatory postural control strategies. *Exp Brain Res*. 2016.
38. Galli G, Santarnecchi E, Feurra M, Bonifazi M, Rossi S, Paulus MP, Rossi A. Individual and sex-related differences in pain and relief responsiveness are associated with differences in resting-state functional networks in healthy volunteers. *Eur J Neurosci*. 2016 43(4):486-93. doi: 10.1111/ejn.13125.
39. D'Ascenzi F, Solari M, Biagi M, Cassano F, Focardi M, Corrado D, Bonifazi M, Mondillo S, Henein M. P-wave morphology is unaffected by training-induced biatrial dilatation: a prospective, longitudinal study in healthy athletes. *Int J Cardiovasc Imaging*. 2016. 32(3):407-15. doi: 10.1007/s10554-015-0790-z
40. D'Ascenzi F, Pelliccia A, Corrado D, Cameli M, Curci V, Alvino F, Natali BM, Focardi M, Bonifazi M, Mondillo S. Right ventricular remodelling induced by exercise training in competitive athletes. *Eur Heart J Cardiovasc Imaging*. 2016. 17(3):301-7. doi: 10.1093/ehjci/jev155.
41. D'Ascenzi F, Caselli S, Solari M, Pelliccia A, Cameli M, Focardi M, Padeletti M, Corrado D, Bonifazi M, Mondillo S. Novel echocardiographic techniques for the evaluation of athletes' heart: A focus on speckle-tracking echocardiography. *Eur J Prev Cardiol*. 2016. 23(4):437-46. doi: 10.1177/2047487315586095. Review.
42. D'Ascenzi F, Pelliccia A, Alvino F, Solari M, Loffreno A, Cameli M, Focardi M, Bonifazi M, Mondillo S. Effects of training on LV strain in competitive athletes. *Heart*. 2015. pii: heartjnl-2015-308189. doi: 10.1136/heartjnl-2015-308189.
43. D'Ascenzi F, Malandrino A, Bonifazi M, Mondillo S. Atrial septal defect and training-induced changes in loading conditions: clinical management and implications for competitive athletes. *BMJ Case Rep*. 2015.
44. D'Ascenzi F, Solari M, Focardi M, Cameli M, Bonifazi M, Mondillo S. Non-invasive, rapid estimation of training-induced haemodynamic changes in top-

- level athletes. *J Sports Med Phys Fitness* 2015.
45. D'Ascenzi F, Pelliccia A, Bonifazi M, Mondillo S. Left ventricular non-compaction and hypertrabeculation in the athlete: Distinguishing between pathology and physiology. *Int J Cardiol.* 2015;190:122-123.
 46. Ginanneschi F, Cioncoloni D, Bigliuzzi J, Bonifazi M, Lorè C, Rossi A. Sensory axons excitability changes in carpal tunnel syndrome after neural mobilization. *Neurol Sci.* 2015.
 47. D'Ascenzi F, Pelliccia A, Natali BM, Cameli M, Lisi M, Focardi M, Padeletti M, Palmitesta P, Corrado D, Bonifazi M, Mondillo S, Henein M. Training-induced dynamic changes in left atrial reservoir, conduit, and active volumes in professional soccer players. *Eur J Appl Physiol.* 2015.
 48. Melchiorri G, Viero V, Triossi T, Tancredi V, Galvani C, Bonifazi M. Testing and training of the eggbeater kick movement in water polo: applicability of a new method. *J Strength Cond Res.* 2015.
 49. D'Ascenzi F, Pelliccia A, Natali BM, Cameli M, Andrei V, Incampo E, Alvino F, Lisi M, Padeletti M, Focardi M, Bonifazi M, Mondillo S. Increased left atrial size is associated with reduced atrial stiffness and preserved reservoir function in athlete's heart. *Int J Cardiovasc Imaging.* 2015.
 50. D'Ascenzi F, Pelliccia A, Natali BM, Bonifazi M, Mondillo S. Exercise-induced left-ventricular hypertrabeculation in athlete's heart. *Int J Cardiol.* 2015. 181:320-322.
 51. D'Ascenzi F, Zacà V, Maiorca S, Neri A, Aldinucci C, Sorrentino V, Causarano A, Bonifazi M, Mondillo S. A quantitative assessment of circulating progenitor cells in competitive athletes and in sedentary subjects. *J Sports Med Phys Fitness.* 2015. 55(3):241-8.
 52. Melchiorri G, Viero V, Triossi T, De Sanctis D, Padua E, Salvati A, Galvani C, Bonifazi M, Del Bianco R, Tancredi V. Water polo throwing velocity and kinematics: differences between competitive levels in male players. *J Sports Med Phys Fitness.* 2014.
 53. Cioncoloni D, Galli G, Feurra M, Giovannelli F, Santarnecchi E, Bonifazi M, Rossi A, Rossi S. Differential effects of acute cortisol administration on deep and shallow episodic memory traces: a study on healthy males. *Neurobiol Learn Mem.* 2014. pii: S1074-7427(14)00121-X. doi:10.1016/j.nlm.2014.06.007.
 54. Di Corrado D, Agostini T, Bonifazi M, Perciavalle V. Changes in mood states and salivary cortisol levels following two months of training in elite female water polo players. *Mol Med Rep.* 2014. doi: 10.3892/mmr.2014.2115.
 55. D'Ascenzi F, Pelliccia A, Natali BM, Zacà V, Cameli M, Alvino F, Malandrino A, Palmitesta P, Zorzi A, Corrado D, Bonifazi M, Mondillo S. Morphological and Functional Adaptation of Left and Right Atria Induced by Training in Highly Trained Female Athletes. *Circ Cardiovasc Imaging.* 2014.
 56. D'Ascenzi F, Alvino F, Natali BM, Cameli M, Palmitesta P, Boschetti G, Bonifazi M, Mondillo S. Precompetitive assessment of heart rate variability in elite female athletes during play offs. *Clin Physiol Funct Imaging.* 2013 doi:10.1111/cpf.12088.

57. Ginanneschi F, Filippou G, Bonifazi M, Frediani B, Rossi A. Effects of Local Corticosteroid Injection on Electrical Properties of A β -Fibers in Carpal Tunnel Syndrome. *J Mol Neurosci*, 2013.
58. D'Ascenzi F, Pelliccia A, Cameli M, Lisi M, Natali BM, Focardi M, Giorgi A, D'Urbano G, Causarano A, Bonifazi M, Mondillo S. Dynamic changes in left ventricular mass and in fat-free mass in top-level athletes during the competitive season. *Eur J Prev Cardiol*, 2013.
59. Lombardi G, Lanteri P, Fiorella PL, Simonetto L, Impellizzeri FM, Bonifazi M, Banfi G, Locatelli M. Comparison of the Hematological Profile of Elite Road Cyclists during the 2010 and 2012 GiroBio Ten-Day Stage Races and Relationships with Final Ranking. *PLoS One*. 2013. 8(4):e63092.doi:10.1371/journal.pone.006309.
60. Simonetto L, Fiorella P, Broccardo D, Impellizzeri FM, Trenti T, Mattei R, Ferrara G, Giorgi A, Bonifazi M. Dietary profile and changes in lipid, cortisol and testosterone levels in elite amateur cyclists during the 2010 GiroBio road cycling stage race: an innovative health promotion event. *Med Sport*, 66: 29-45, 2013.
61. D'Ascenzi F, Cameli M, Padeletti M, Lisi M, Zacà V, Natali B, Malandrino A, Alvino F, Morelli M, Vassallo GM, Meniconi C, Bonifazi M, Causarano A, Mondillo S. Characterization of right atrial function and dimension in top-level athletes: a speckle tracking study. *Int J Cardiovas Imag*. 29(1):87-95, 2013.
62. Zamparo P, Vicentini M, Scattolini A, Rigamonti M, Bonifazi M. The contribution of underwater kicking efficiency in determining "turning performance" in front crawl swimming. *J Sports Med Phys Fit*. 52(5):457-64, 2012.
63. Foti C, Laurini A, Tiberti S, Carli G, Tsarpela O, Adamidis K, Bonifazi M, Giombini A, Tihanyi J, von Duvillard S, De Vita M, Bosco C. Leg extension test, sEMG and vibratory stimuli to assess functional recovery following knee joint surgery. *Muscles Ligaments Tendons J*. 2(2):127-32, 2012.
64. Melchiorri G, Padua E, Padulo J, D'ottavio S, Campagna S, Bonifazi M. Throwing velocity and kinematics in elite male water polo players. *J Sports Med Phys Fit*. 51(4):541-6, 2011.
65. Bottoni A, Lanotte N, Boatto P, Bifaretti S, Bonifazi M. Technical skill differences in stroke propulsion between high level athletes in triathlon and top level swimmers. *J Hum Sport Exerc*, 6:351-362, 2011.
66. Capomaccio S, Cappelli K, Spinsanti G, Mencarelli M, Muscettola M, Felicetti M, Verini Supplizi A, Bonifazi M. Athletic humans and horses: Comparative analysis of interleukin-6 (IL-6) and IL-6 receptor (IL-6R) expression in peripheral blood mononuclear cells in trained and untrained subjects at rest. *BMC Physiol* 11:3, 2011.
67. Melchiorri G, Castagna C, Sorge R, Bonifazi M. Game activity and blood lactate in men's elite water-polo players. *J Strength Cond Res*. 24:2647-51, 2010.

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71. Bonifazi M, Marugo L, Armentano N, Camillieri G, Colombo G, Crescenzi S, Felici A, Mattiotti S, Melchiorri G, Giombini A, Sardella F, Benelli P, Gatta G, Zamparo P, Saini G. Gli sport natatori. *Med Sport,* 62:335-77, 2009.
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