

[Giuseppe Coratella] CURRICULUM VITAE



INFORMAZIONI PERSONALI

COGNOME	CORATELLA
NOME	GIUSEPPE
DATA DI NASCITA	[

ATTIVITÀ ACCADEMICA E DIDATTICA

01/10/2019 – ad oggi

- Ricercatore a Tempo Determinato (lettera B) presso l'Università degli Studi di Milano, Dipartimento di Scienze Biomediche per la Salute
- Membro del Collegio dei Docenti della Scuola di Dottorato in Medicina Traslazionale, Università degli Studi di Milano
- Membro e Segretario della Giunta del Dipartimento di Scienze Biomediche per la Salute, Università degli Studi di Milano.
- Membro del Comitato di Direzione della Scuola di Scienze Motorie, Università degli Studi di Milano

- A.A. 2017/18 – ad oggi**

 - Membro della Commissione Contratti della Scuola di Scienze Motorie, Università degli Studi di Milano
- 01/11/2016 – 30/09/2019**

 - Titolare del corso “Teoria, Tecnica e Didattica dell’Attività Motoria per l’Adulto e Anziano”, Corso di Laurea Magistrale in Scienze dell’Attività Fisica per il Benessere (LM-67)
 - Ricercatore a Tempo Determinato (lettera A) presso l’Università degli Studi di Milano, Dipartimento di Scienze Biomediche per la Salute
- 01/09/2015 –28/02/2017**

Lecturer/Ricercatore presso l’Università de Franche-Comtè, UPFR des Sports, Besançon, France.

 - Corso triennale in “Strength and Conditioning”;
 - Corso Magistrale in “Exercise Physiology”;
 - Corso Magistrale in “Statistics and Research Design”
- 15/11/2014 – 15/04/2015**

Borsa post-dottorato presso l’Università degli Studi di Verona, Dipartimento di Scienze Neurologiche, Morfologiche e del Movimento
- 15/11/2012 –14/11/2013**

Assegno di Ricerca presso l’Università degli Studi di Verona, Dipartimento di Scienze Neurologiche, Morfologiche e del Movimento
- 01/09/2009 – 30/06/2015**

Cultore della materia e coordinatore delle esercitazioni per i seguenti corsi accademici presso l’Università degli Studi di Verona

 - Laurea Triennale in Scienze delle Attività Motorie e Sportive per il corso di *“Potenziamento muscolare”*.
 - Laurea Triennale in Scienze delle Attività Motorie e Sportive per il corso di *“Teoria e Metodologia dell’ Allenamento”*
 - Laurea Magistrale di Scienze e Tecniche dello Sport per il corso di *“Progettazione e Conduzione dell’Esercizio Fisico”*

**01/04/2009 -
22/06/2012**

Ph.D. in Scienze dell'Esercizio Fisico e del Movimento Umano,
Scuola di Dottorato di Scienze Biomediche Traslazionali, Università
degli Studi di Verona

Titolo della Tesi di Dottorato: *"Muscle damage, repeated bout
effect and training induced changes by different eccentric
modalities"*

Supervisors: Prof. Federico Schena and Prof. Franco M.
Impellizzeri

22/10/2008

Laurea Magistrale in Scienze e Tecniche dello Sport presso
l'Università degli Studi di Verona

Titolo della tesi: *"Costo energetico della corsa in atleti di sport non
anti-gravitari"*

Votazione finale: 110/110

Relatore: Prof. Federico Schena

ISTRUZIONE

Novembre 2007

Master Universitario di I livello "Preparazione fisica negli sport di
squadra nel settore giovanile" presso l'Università degli Studi di
Verona

19/10/2006

Laurea Triennale in Scienze delle Attività Motorie e Sportive presso
l'Università degli Studi di Verona.

Titolo della Tesi *"Costo Energetico del Nordic Walking vs cammino
al variare della pendenza e della velocità"*.

Votazione finale: 105/110

Relatore: Prof. Federico Schena

**Settembre-Dicembre
2005.**

Vincitore di una Borsa di Mobilità Erasmus presso la NTNU,
Trondheim, Norvegia

Finanziamenti per attività di ricerca

01/09/2019-
31/08/2021

Erasmus+ KA2 “exchange of good practices” 2019.

Total grant: 30.222,00 Euro.

01/01/2018-
31/12/2018

Euro 15.000

Finanziamento interno Linea-2 del Dipartimento di Scienze Biomediche per la Salute, Università degli Studi di Milano

Titolo del progetto: *“Evaluation of the effect of exercise on erythroferrone levels”*

Proponenti: Dott. Elena Gammella, **Dott. Giuseppe Coratella**

01/01/2019-
31/12/2019

Euro 15.000

Finanziamento interno Linea-2 del Dipartimento di Scienze Biomediche per la Salute, Università degli Studi di Milano

Titolo del progetto: *“Correlation between quadriceps and gastrocnemii muscle architecture and peak power output in an all-out Wingate biking test”*.

Proponenti: Prof. Fabio Esposito, **Dott. Giuseppe Coratella**

Attività Scientifica

Aree di ricerca

1. Effetti cronici dell'esercizio eccentrico vs tradizionale e concentrico su forza, architettura e massa muscolare
2. Cinetica del recupero muscolare in seguito ad allenamento eccentrico
3. Caratterizzazione neuromuscolare e allenamento dei pazienti affetti da broncopneumopatia cronico ostruttiva (BPCO)
4. Caratterizzazione delle attività locomotorie nel calcio (soccer) e calcetto (futsal)
5. Caratterizzazione delle attività locomotorie nel Hurling

Attività di revisione scientifico

Revisore per l'Università degli Studi di Verona per il Bando Joint Projects 2018

Revisore per le seguenti riviste impattate:

- *Scandinavian Journal of Medicine and Science in Sport*
- *Journal of Sport Sciences*
- *European Journal of Sport Science*
- *Frontiers in Physiology*
- *PLOS one*
- *Journal of Strength and Conditioning Research*
- *International Journal of Sport Medicine*
- *Research in Sport Medicine*
- *Sports*
- *Biology of Sports*
- *The Journal of Sport Medicine and Physical Fitness*
- *Sport Sciences for Health*

**Collaborazioni
Internazionali**

- Prof. Barry Drust, School of Sport and Exercise Sciences, Faculty of Sciences, John Moore University, Liverpool, UK.
- Prof. Nicolas Tordi, Direttore Facoltà di Scienze Motorie, Université de Bourgogne Franche-Comté, Besançon, Francia
- Dr. Marco Beato, Senior Lecturer e Course Leader in Strength and Conditioning, Department of Science and Technology, University of Suffolk, Ipswich, UK
- Dr. Damien Young, Lecturer presso la Sports Science Faculty, University of Limerick, Limerick, Irlanda
- Kieran Collins, Direttore presso il Gaelic Sports Research Centre, Technology University Dublin, Dublin, Irlanda
- Dr. Laurent Mourot, Senior Lecturer presso l'Université de Bourgogne Franche-Comté, Besançon, Francia
- Dr. Sidney Grosprêtre, Lecturer presso l'Université de Bourgogne Franche-Comté, Besançon, Francia
- Dr. Philippe Gimenez, Lecturer presso l'Université de Bourgogne Franche-Comté, Besançon, Francia
- Prof. Marco Barbero, Scuola Universitaria Professionale della Svizzera Italiana, Manno, Svizzera.
- Dr. Corrado Cescon, Scuola Universitaria Professionale della Svizzera Italiana, Manno, Svizzera.

- Dr. Matteo Beretta-Piccoli, Scuola Universitaria Professionale della Svizzera Italiana, Manno, Svizzera.

Collaborazioni nazionali

- Prof. Federico Schena, Dipartimento di Scienze Neurologiche, Morfologiche e del Movimento, Università degli Studi di Verona, Verona, Italia
- Prof. Alberto Rainoldi, Dipartimento di Scienze Mediche, Università degli Studi di Torino, Torino, Italia
- Prof. Massimo Lanza, Dipartimento di Scienze Neurologiche, Morfologiche e del Movimento, Università degli Studi di Verona, Verona, Italia
- D.ssa Francesca Vitali, Dipartimento di Scienze Neurologiche, Morfologiche e del Movimento, Università degli Studi di Verona, Verona, Italia
- D.ssa Chiara Milanese, Dipartimento di Scienze Neurologiche, Morfologiche e del Movimento, Università degli Studi di Verona, Verona, Italia
- Dr. Gennaro Boccia, Dipartimento di Scienze Mediche, Università degli Studi di Torino, Torino, Italia
- Dr. Davide Dardanello, Dipartimento di Scienze Mediche, Università degli Studi di Torino, Torino, Italia

Pubblicazioni in riviste peer-reviewed indicizzate

1. Riboli A., **Coratella G.**, Rampichini S., Cè E., Esposito F.
“Area per player in small-sided games to replicate the external load and physiological match demands in elite soccer players”
 PLoS One, 2020, 15(9):e0229194
DOI: 10.1371/journal.pone.0229194
2. Riboli A., Semeria M., **Coratella G.**, Esposito F.
“Effects of formation, ball in play and ball possession on peak demands in elite soccer players”
 Biology of Sport, 2021, 38(2):195-205
DOI: 10.5114/biolsport.2020.98450

3. Coratella G., Tornatore G., Longo S., Esposito F., Cè E.
“An electromyographic analysis of lateral raise variations and frontal raise in competitive bodybuilders”

International Journal of Environmental Research and Public Health, 2020,17,6015

DOI: 10.3390/ijerph17176015

4. Young D., O’Grady M., Coratella G.

“The match-play running performance of elite Camogie players across halves of play”

Sport Sciences for Health, July 2020, Epub ahead of print

DOI: 10.1007/s11332-020-00672-0

5. Bisconti A.V., Cè E., Longo S., Venturelli M., Coratella G.,
Limonta E., Doria C., Rampichini S., Esposito E.

“Evidence for improved systemic and local vascular function after long-term passive static stretching training of the musculoskeletal system”

Journal of Physiology, 2020, epub ahead of print.

DOI: 10.1113/JP279866

6. Keane J., Shovlin A., Devenney S., Malone S., Young D.,
Coratella G., Collins C., Shortall M.

“The performance effect of scheduled carbohydrate and caffeine intake during simulated team sport match-play”

Nutrients, 2020, 12 1296, 1-13

DOI: 10.3390/nu12071926

7. Cè E., Doria C., Roveda E., Montaruli A., Galasso L., Castelli L.,
Mulè A., Longo S., **Coratella G.,** D’Aloia P., Banfi G., Esposito E.

“Reduced neuromuscular performance in night shift orthopedic nurses: new insights from a combined electromyographic and force signals approach”

Frontiers in Physiology, 2020, 11:693.

DOI: 10.3389/fphys.2020.00693

8. Doria C., Verratti V., Pietrangelo T., Fanò-Illic G., Bisconti A.V., Shokohyar S., Rampichini S., Limonta E., **Coratella G.**, Cè E., Esposito F.

“Changes in energy system contributions to the Wingate anaerobic test in climbers after a high-altitude expedition”

European Journal of Applied Physiology, 2020, Epub ahead of print

DOI: 10.1007/s00421-020-04392-8

9. Limonta E., Fanchini M., Rampichini S., Cè E., Longo S., **Coratella G.**, Esposito F.

“On-sight and red-point climbing: changes in performance and route-finding ability in male advanced climbers”

Frontiers in Psychology, 11:902

DOI: 10.3389/fpsyg.2020.00902

10. **Coratella G.**, Longo S., Borrelli M., Doria C., Cè E., Esposito F.

“Vastus intermedius muscle architecture predicts the late phase of the knee extension rate of force development in recreationally resistance-trained men”

Journal of Science and Medicine in Sport, 2020 May, Epub ahead of print.

DOI: 10.1016/j.jsams.2020.04.006

11. Beato M., Stiff A., Young D., **Coratella G.**

“Lower-limb muscle strength, anterior-posterior and inter-limb asymmetry in professional, elite academy and amateur soccer players”

Journal of Human Kinetics, 2020 March, Epub ahead of print

- 12.** Longo S., **Coratella G.**, Rampichini S., Borrelli M., Scurati R., Limonta E., Cè E., Esposito F.
“Local fat content and muscle quality measured by a new electrical impedance myography device: correlations with ultrasound variables”
European Journal of Sport Science, 2020 April, Epub Ahead of print.
DOI: 10.1080/17461391.2020.1751306
- 13.** Cè E.*, **Coratella G.***, Bisconti A.V., Venturelli M., Limonta E., Doria C., Rampichini S., Longo S., Esposito F.
“Neuromuscular versus mechanical stretch-induced changes in contra- versus ipsilateral muscle”
Medicine and Science in Sport and Exercise, 2020 January, Epub ahead of print.
DOI: 10.1249/MSS.0000000000002255
- 14.** Young D., Malone S., Collins K., Mourot L., Beato M., **Coratella G.**
“Metabolic power in hurling with respect of position and halves of match-play”
Plos One, 2019, 14(12): e0225947
DOI: 10.1371/journal.pone.0225947
- 15.** Cè E., Longo S., Limonta E., **Coratella G.**, Rampichini S., Esposito F.
“Peripheral fatigue: new mechanistic insights from recent technologies.”
European Journal of Applied Physiology, 2020, 120(1):17-39
DOI: 10.1007/s00421-019-04264-w
- 16.** **Coratella G.**, Longo S., Rampichini S., Limonta E., Shokohyar S., Bisconti A.V., Cè E., Esposito F.
“Quadriceps and gastrocnemii anatomical cross-sectional area and

vastus lateralis fascicle length predict peak-power and time-to-peak power

Research Quarterly for Exercise and Sport, 2020, 91(1):158-165

DOI: 10.1080/02701367.2019.1648745

17. Coratella G., Longo S., Cè E., Esposito F.

“Commentary on: “Viewpoint: Distinct modalities of eccentric exercise: different recipes, not the same dish”

Journal of Applied Physiology 2019, 127(3):884-891

DOI: 10.1152/jappphysiol.00496.2019

18. Beato M., Bigby A.E.J., De Keijzer, K.L., Nakamura F.Y., **Coratella G.,** McErlain-Nailor, S.A.

“Post-activation potentiation effect of eccentric overload and traditional weightlifting exercise on jumping and sprinting performance in male athletes”

PlosOne, 2019 14(9): e0222466

DOI: 10.1371/journal.pone.0222466

19. Beato M., Bianchi M., **Coratella G.,** Merlini M., Drust B.

“A single session of straight line and change-of-direction sprinting per week does not lead to different fitness improvements in elite young soccer players”

Journal of Strength and Conditioning Research, 2019 September 2, epub ahead of print

DOI: 10.1519/JSC.0000000000003369

20. Coratella G., Beato M., Cè E., Scurati R., Milanese C., Schena F., Esposito F.

“Effects of in-season enhanced negative work-based vs traditional weight training on change of direction and hamstrings-to-quadriceps ratio in soccer players”

Biology of Sport, 2019, 36(3):241-248

DOI: 10.5114/biol sport.2019.87045

21. Coratella G., Tornatore G., Longo S., Esposito F., Cè E.
“Specific prime movers’ excitation during free-weight bench press variations and chest press machine in competitive bodybuilders”
European Journal of Sport Science, 2019 August 9, Epub ahead of print
DOI: 10.1080/17461391.2019.1655101

22. Sozen H., Cè E., Bisconti A.V., Rampichini S., Longo S., **Coratella G.**, Shokohyar S., Doria C., Borrelli M., Limonta S., Esposito F.
“Differences in electromechanical delay components induced by sex, age and physical activity level: new insights from a combined electromyographic, mechanomyographic and force approach”
Sport Sciences for Health, 2019, 15(3):623-633.
DOI: 10.1007/s11332-019-00563-z

23. Bisconti A.V., Cè E., Longo S., Venturelli M., **Coratella G.**, Shokohyar S., Gharemani R., Rampichini S., Limonta E., Esposito F.
“Evidence of Improved Vascular Function in the Arteries of Trained but Not Untrained Limbs After Isolated Knee-Extension Training”
Frontiers in Physiology, 2019, June 12, 10:727
DOI: 10.3389/fphys.2019.00727

24. Venturelli M., Rampichini S., **Coratella G.**, Limonta E., Bisconti A.V., Cé E., Esposito F.
“Heart and musculoskeletal hemodynamic responses to repetitive bouts of quadriceps static stretching”
Journal of Applied Physiology, 2019 May, Epub ahead of print.
DOI: 10.1152/jappphysiol.00823.2018

25. Beato M., **Coratella G.**, Bianchi M., Costa E., Merlini M.
“Short-term repeated-sprint training (straight sprint vs. changes of direction) in soccer players”
Journal of Human Kinetics, 2019, 70(1):183-190

DOI: 10.2478/hukin-2019-0040

26. Young D. *, **Coratella G.***, Malone S., Collins K., Mourot L., Beato M.

“The match-play sprint performance of elite senior hurlers during competitive games”

Plos One, 2019, April 24, 14(4): e0215156

DOI: 10.1371/journal.pone.0215156

27. Young D., Mourot L., Beato M., **Coratella G.**

“Match-play demands of elite U17 hurlers during competitive matches”

Journal of Strength and Conditioning Research, 2019, January, Epub ahead of print

DOI: 10.1519/JSC.0000000000002945

28. Young D., Beato M., Mourot L., **Coratella G.**

“Match-play temporal and position-specific physical and physiological demands of senior hurlers”

Journal of Strength and Conditioning Research, 2020, 34(6):1759-1768

DOI: 10.1519/JSC.0000000000002844

29. Beato M., Stiff A., **Coratella G.**

“Effects of postactivation potentiation after an eccentric overload bout on countermovement jump and lower-limb muscle strength”

Journal of Strength and Conditioning Research, 2019, January, Epub ahead of print

DOI: 10.1519/JSC.0000000000003005

30. Young D., Collins K., Mourot L., **Coratella G.**

“The match-play activity cycles in elite U17, U21 and senior hurling competitive games”

Sport Science for Health, 2019, 15(2):351-359.

DOI: 10.1007/s11332-018-00523-z

31. Grosprêtre S., Gimenez P., Mourot L., **Coratella G.**

“Elastic band induces greater neuromuscular fatigue than phasic isometric contractions”

Journal of Electromyography and Kinesiology, 2019, 47:113-120

DOI: 10.1016/j.jelekin.2018.12.003

32. Béliard S., Cassirame L., Ennequin G., **Coratella G.**, Tordi N.

“The effects of a calf pump device on second half performance of a simulated soccer match in competitive youth players”

Journal of Sports Sciences, 2019, 37(6):708-716

DOI: 10.1080/02640414.2018.1522947

33. Riboli A., Rampichini S., Cé E., Limonta E., **Coratella G**^{corr.},

Esposito F.

“Effect of ramp slope on different methods to determine lactate threshold in semi-professional soccer players”

Research in Sport Medicine, 2019, 27(3):326-338.

DOI: 10.1080/15438627.2018.1523790

34. Beato M., **Coratella G.**, Stiff A., Dello Iacono A.

“The Validity and Between-Unit Variability of GNSS Units (STATSports Apex 10 and 18 Hz) for Measuring Distance and Peak Speed in Team Sports”

Frontiers in Physiology, 2018 September, Volume 9, Article 1288

DOI: 10.3389/FPHYS.2018.01288

35. Bianchi M., **Coratella G.**, Dello Iacono A., Beato M.

“Comparative effects of single vs double weekly plyometric training on jump, sprint and COD abilities of elite youth football players”

The Journal of Sport Medicine and Physical Fitness, 2019, 59(6): 910-915

DOI: 10.23736/S0022-4707.18.08804-7

36. Cè E., Longo S., Paleari E., Riboli A., Limonta E., Rampichini S., **Coratella G**^{corr.}, Esposito F.

“Evidence of balance training-induced improvement in soccer-specific skills in U11 soccer players”

Scandinavian Journal of Sport Science and Medicine, 2018, 28(11): 2443-2456

DOI: 10.1111/sms.13240

37. Young D., Malone S., Beato M., Mouro L., **Coratella G.**

“Identification of maximal running intensities during elite hurling match-play”

Journal of Strength and Conditioning Research, accepted April 2018, Epub ahead of print

DOI: 10.1519/JSC.0000000000002674

38. Coratella G., Longo S., Cé E., Limonta L., Rampichini S., Bisconti A.V., Schena F., Esposito F.

“Sex-related responses to eccentric-only resistance training in knee extensors muscle strength and architecture”

Research Quarterly for Exercise and Sport, 2018, 89(3), 347-353

DOI: 10.1080/02701367.2018.1472734

39. Coratella G., Grosprêtre S., Gimenez P., Mouro L.

“Greater fatigability in knee-flexors vs knee-extensors after a standardized fatiguing protocol”

European Journal of Sport Science, 2018, 18(8), 1110-1118

DOI: 10.1080/17461391.2018.1469674.

40. Coratella G., Rinaldo N., Schena F.

“Quadriceps concentric-eccentric force and muscle architecture in COPD patients vs healthy men”

Human Movement Science, 2018, 59, 88-95.

DOI: 10.1016/j.humov.2018.03.015

41. Coratella G., Beato M., Schena F.

“Correlation between hamstrings and quadriceps inter-limb strength asymmetry with change of direction and sprint in U21 elite soccer players”

Human Movement Science, 2018, 59, 81-87.

DOI: 10.1016/j.humov.2018.03.016

42. Nardini S., De Benedetto F., Sanguinetti C.M., Bellofiore S., Carlone S., Privitera S., Sagliocca L., Tupputi E.; with the collaboration of The Consensus Conference Group, Baccarani C., Caiffa G., Calabrese M.C., Capuozzo A., Cauchi S., Conio V., **Coratella G.**, Crismancich F., Dal Negro R.W., Dellarole F., Delucchi M., Favaretti C., Forte S., Gallo F.M., Giuliano R., Grandi M., Grillo A., Gualano M.R., Guffanti E., Locicero S., Lombardo F.P., Mantero M., Marasso R., Martino L., Mastroberardino M., Mereu C., Messina R., Neri M., Novelletto B.F., Parente P., Pasquinucci S., Pistolesi M., Polverino M., Posca A., Richeldi L., Rocchia F., Giustini E.S., Salemi M., Santacroce S., Schisano M., Schisano M., Selvi E., Silenzi A., Soverina P., Taranto C., Ugolini M., Visaggi P., Zanasi A.

“COPD management as a model for all chronic respiratory conditions: report of the 4th Consensus Conference in Respiratory Medicine”

Multidisciplinary Respiratory Medicine, 2017, Nov 10, 12:28.

DOI: 10.1186/s40248-017-0109-0

43. Young, D., Mourot L., **Coratella G.**

“Match-play performance comparisons between elite and sub-elite hurling players”

Sport Sciences for Health, 2018, 14(1), 201-208.

DOI: 10.1007/s11332-018-0441-6

44. Young D., Mourot L., Beato M., **Coratella G.**

“The match heart rate and running profile of elite U21 hurlers during competitive match play”

The Journal of Strength and Conditioning Research, 2018, 32(10), 2925-2933

DOI: 10.1519/JSC.0000000000002558.

45. Coratella G, Limonta E, Cé E, Longo S, Bisconti AV, Montaruli A, Schena F, Esposito F

“Running fatiguing protocol affect peak torque joint angle and peak torque differently in hamstrings vs quadriceps”

Sport Sciences for Health, 2018, 14(1), 193-199

DOI: 10.1007/s11332-018-0429-2

46. Coratella G, Beato M, Milanese C, Longo S, Limonta E, Rampichini S, Cè E, Bisconti AV, Schena F, Esposito F.

“Specific adaptations in performance and muscle architecture after weighted jump-squat vs body-mass jump-squat training in recreational soccer players”

The Journal of Strength & Conditioning Research, 2018, 32(4), 921-929.

DOI: 10.1519/JSC.0000000000002463.

47. Beato M, Bianchi M, **Coratella G**, Merlini M, Drust B

“Effects of plyometric and directional training on speed and jump performance in elite youth soccer players”

The Journal of Strength & Conditioning Research 2018, 32 (2), 289-296

DOI: 10.1519/JSC.0000000000002371

48. Galasso G., Montaruli A., Bruno E., Pesenti C., Erzegovesi S. Cè E., **Coratella G.**, Roveda E., Esposito.

“Aerobic exercise training improves physical performance of patients with binge-eating disorder”

Sports Sciences for Health, 2018, 14(1), 47-51

DOI: 10.1007/s11332-017-0398-x

49. Rinaldo N.* , Bacchi E.* , **Coratella G.*** ^{corr}, Vitali F., Milanese C., Rossi A., Schena F., Lanza M.

"Effects of combined aerobic-strength training vs fitness education program in COPD patients"

International Journal of Sports Medicine, 2017, 38(13), 1001-1008

DOI: 10.1055/s-0043-112339.

50. Beato M, **Coratella G**, Schena F, Impellizzeri FM

"Effects of recreational football performed once a week (1 hour per 12 weeks) on cardiovascular risk factors in middle-aged sedentary men"

Science and Medicine in Football, 2017, 2, 171-177

DOI: 10.1080/24733938.2017.1325966

51. Beato M, **Coratella G**, Schena F, Hulton A

"Evaluation of internal and external workload in female futsal players"

Biology of Sport, 2017, 34(3), 227-231

DOI: 10.5114/biol sport.2017.65998.

52. **Coratella G**, Schena F.

"Eccentric resistance training increases and retains maximal strength and muscle endurance in trained men",

Applied Physiology, Nutrition and Metabolism, 2016, 41(11), 1184-1189.

DOI: 10.1139/apnm-2016-0321

53. **Coratella G**, Beato M, Schena F.

"The specificity of the Loughborough Intermittent Shuttle Test for soccer players is independent of their intermittent running capacity".

Research in Sports Medicine, 2016, Oct-Dec, 24(4), 363-374.

DOI: 10.1080/[15438627.2016.1222279](https://doi.org/10.1080/15438627.2016.1222279).

54. Beato M., Impellizzeri F.M., **Coratella G.**, Schena F.

"Quantification of energy expenditure of recreational football"

Journal of Sport Sciences, 2016, Dec 34(24), 2185-2188.

DOI:10.1080/02640414.2016.1167280

55. Boccia G,, **Coratella G.**, Dardanello D., Rinaldo N., Lanza M., Schena F., Rainoldi A.

“Severe COPD alters muscle fiber conduction velocity during fatiguing contractions”

COPD: Journal of Chronic Obstructive Pulmonary Disease, 2016, Oct 13(5), 583-388

DOI: [10.3109/15412555.2016.1139561](https://doi.org/10.3109/15412555.2016.1139561)

56. **Coratella G**, Bellini V, Schena F

“Shift of optimum angle after concentric-only exercise performed at long vs short muscle length”

Sport Sciences for Health, 2016, 12(1) 85-90.

DOI: 10.1007/s11332-016-0258-0

57. **Coratella G**, Chemello A, Schena F

“Muscle damage and repeated bout effect after enhanced-eccentric squat exercise”

Journal of Sport Medicine and Physical Fitness, 2016, Dec 56(12), 1540-1546

58. Boccia G., Dardanello D., Beretta-Piccoli M., Cescon C.,;

Coratella G., Rinaldo N., Barbero M., Lanza M., Schena F., Rainoldi A.

“Conduction velocity and fractal dimension time courses during fatiguing contraction of young and elderly active men”,

Physiological Measurements, 2015, December 18; 37(1): 162-174

DOI:[10.1088/0967-3334/37/1/162](https://doi.org/10.1088/0967-3334/37/1/162)

59. **Coratella G**, Milanese C, Schena F.

“Cross education effect after unilateral eccentric-only isokinetic vs dynamic constant external resistance training”

Sport Sciences for Health, 2015, December; 11(3): 329-335

DOI: 10.1007/s11332-015-0244-y

60. Coratella G, Milanese C, Schena F.

“Unilateral eccentric resistance training: a direct comparison between isokinetic and dynamic constant external load modalities”
European Journal of Sport Sciences, 2015, November 15(8): 720-726.

DOI: 10.1080/17461391.2015.1060264

61. Boccia G, Dardanella D, , Rinaldo N, **Coratella G**, Schena F, Rainoldi A.

“Electromyographic manifestations of fatigue correlates with pulmonary function, six minutes walk test, and time to exhaustion in COPD patients”,

Respiratory Care, 2015, September 60(9): 1295-1302.

DOI: 10.4187/respcare.04138

62. Boccia G, Dardanella D, **Coratella G**, Rinaldo N, Schena F, Rainoldi A.

“Differences in age-related fiber atrophy between vastii muscles of active subjects: a multichannel surface EMG study”,

Physiological Measurements, 2015, June, 9; 36(7):1591-1600.

DOI: 10.1088/0967-3334/36/7/1591.

63. Pangallo L., Valore A., Padovani L., **Coratella G**., Schena F., Magnan B., Adani R.

“Mini-open incision for distal biceps repair by suture anchors: follow-up of eighteen patients”

Musculoskeletal Surgery, 2016, Apr 100(1), 19-23

DOI: 10.1007/s12306-015-0372-1MUSC-D-15-00022.0.

64. Beato M., **Coratella G**., Schena F.

“Brief review of the state of art in futsal”

Journal of Sport Medicine and Physical Fitness, 2016, 56(4), 428-432.

65. Coratella G., Bellin G., Beato M., Schena F.

“Fatigue affects peak joint torque angle in hamstrings but not in quadriceps.”

Journal of Sports Sciences, 2015, June, 33(12), 1276-82

DOI: 10.1080/02640414.2014.986185

66. Coratella G, Bertinato L

“Isoload vs isokinetic eccentric exercise: a direct comparison of exercise-induced muscle damage and repeated bout effect”

Sport Science for Health, November 2. 2015, 11: 87-96

DOI: 10.1007/s11332-014-0213-x

67. Serpiello FR, McKenna MJ, **Coratella G**, Markworth JF, Tarperi C, Bishop D, Stepto NK, Cameron-Smith D, Schena F.

“Futsal and Continuous Exercise Induce Similar Changes in Specific Skeletal Muscle Signalling Proteins.”

International Journal of Sport Medicine, 2014 Sep; 35(10): 863-70

DOI: 10.1055/s-0034-1367045

Libri o Capitoli

Esposito F., **Coratella G**.

“Capitolo 10- Il sistema cardiovascolare e l'attività fisica”

McArdle, Katch and Katch, Fisiologia dell'Esercizio, L'Essenziale.

Piccin Editore, 2019

Partecipazione a Congressi.

1. **Coratella G.**, Beato M., Cè E., Schena F., Esposito F.

Oral presentation at IX World Congress on Science and Football, 2019, Melbourne 04-07/06/2019

“Effects of enhanced-eccentric training on change of direction, muscle architecture and hamstrings to quadriceps ratio”

2. **Coratella G.**, Longo S., Rampichini S., Limonta E., Bisconti A.V., Cé E., Esposito F.

Oral presentation at XXIII European College of Sports Science, 2018, Dublin 04-07/07/2018

“Relationship between quadriceps and gastrocnemii muscle architecture and peak power exerted during all-out Wingate test.”

3. **Coratella G.**, Beato M., Longo S., Cé E., Limonta E., Rampichini S., Bisconti A.V., Montaruli A., Milanese C., Schena F., Esposito F.

Oral presentation at IX Italian Congress of Sports Science, 2017, Brescia 29/09-01/10

“Specific adaptations in performance and muscle architecture after weighted vs unweighted jump-squat training in recreational soccer players”

4. **Coratella G.**, Longo S., Ramichini S., Limonta E., Bisconti A.V., Cé E., Esposito F.

Keynote presentation at IX Italian Congress of Sports Science, 2017, Brescia

“Relationship between quadriceps and gastrocnemii muscle architecture and peak- power exerted during all-out Wingate test”

5. Beliard S., Cassirame J., Ennequin G., **Coratella G.**, Tordi N.

Oral presentation at World Conference on Science in Soccer, Rennes 31st May-2nd June 2017.

“Positive effects of calf neuromuscular electrostimulation on performances during second half-time of a soccer match”

6. Donà S., Bacchi E., Moretta R., **Coratella G.**, Flamigni S., Livornese D., Sacco A.P., Tosi F., Negri C., Kaufman JM. Schena F., Moghetti P.

Mini-oral presentation at XX European Congress of Sport Science, 2015, June 24-27

“PCOS and muscle strength: preliminary results in normal weight women”

7. **Coratella G**, Bellin G, Beato M, Schena F.

Oral Presentation at VI Italian Congress of Sport Science, Napoli 2014, September 26-28

“Fatigue affects optimum angle in knee flexors but not in knee extensors.”

8. **Coratella G**, Zanotti N, Bellini V, Schena F.

Poster Presentation at IV World Congress of Science in Soccer, Portland 2014, June 05-07

“Fast isokinetic knee extensors and flexors peak torque better correlates with performance in elite junior soccer players”

9. Fonte C, Varalta V, Pelle C, Gandolfi M, Schena F, Venturelli M, Rudi D, **Coratella G**, Smania N.

Poster Presentation at VI Italian Congress of Psycho-Geriatric Italian Association, Firenze 2014, April 12-14

“Influenza dell’attività motoria di gruppo associata a stimolazione cognitiva nel paziente affetto da malattia di Alzheimer”

10. Rinaldo N, **Coratella G**, Rossi A, Schena F, Lanza M.

Poster Presentation at XLII Italian Congress of Pneumology, Verona 2013, November 27-30

“Easily applied-field models of adapted physical activity in chronic obstructive pulmonary disease patients”

11. **Coratella G**, Galas A, Bellini V, Impellizzeri FM, Schena F.

Oral Presentation at V Italian Congress of Sport Science, Pavia 2013, September 27-29

“Effect of contraction modality on muscle strength and structure after resistance training and detraining”

12. Boccia G, Dardanello D, **Coratella G**, Rinaldo N, Schena F, Rainoldi A.

Oral Presentation at V Italian Congress of Sport Science, Pavia 2013, September 27-29

“Myoelectric activation differences in vastus lateralis and vastus medialis obliquus muscles of young and elderly active male subjects”

13. Rinaldo N, **Coratella G**, Boccia G, Dardanello D, Rainoldi A, Schena F

Oral Presentation at VIII European Congress of Sport Medicine Association, Strasbourg 2013, September 25-28

“Different myoelectric manifestations of fatigue in ambulatory muscles of COPD patients vs. healthy male subjects”

14. Rinaldo N, **Coratella G**, Schena, Lanza M

Oral presentation at XVIII European Congress of Sport Science, Barcellona 2013, June 26-29

“Concentric and eccentric torque in COPD patients vs. healthy men.”

15. **Coratella G**, Schena F, Bellin G, Pacifici A, Visentin G, Beato M, Impellizzeri FM

Poster at XVIII European Congress of Sport Science, Barcellona 2013, June 26-29

“Effect of a soccer match simulation on the functional hamstring-to-quadriceps ratio.”

16. Dalla Libera M, **Coratella G**, Schena F.

Poster at IV Italian Congress of Sport Science, Palermo 2012, October, 05-07

“Analysis of correlation between core stability and performance”

17. Rinaldo N, **Coratella G**, Rossi A, Schena F, Lanza M

Poster at IV Italian Congress of Sport Science, Palermo 2012, October, 05-07

“Active lifestyle promotion in COPD: Preliminary data about recruitment and efficacy of different models of physical activity”

18. **Coratella G**, De Vita F, Brignardello G, Bortolan L, Beato M, Corradini G, Rinaldo N, Schena F.

Poster at IV Italian Congress of Sport Science, Palermo 2012, October, 05-07

“Lower limb performance evaluation of professional and young soccer players.”

19. **Coratella G**, Chemello A, Schena F, Impellizzeri F M.

Oral Presentation at IV Italian Congress of Sport Science, Palermo 2012, October, 05-07

“Repeated Bout Effect Induced by Eccentric Isoinertial Device”

20. Rinaldo N, **Coratella G**, Depedri R, Milanese C, Rossi A, Schena F, Lanza M.

Poster at XXXII World Congress of Sport Medicine, Rome 2012, September, 27-29

“Concentric and Eccentric Torque in COPD patients”

21. **Coratella G**, Impellizzeri F M, Schena F.

Poster at XXXII World Congress of Sport Medicine, Rome 2012, September, 27-29

“Repeated Bout Effect induced by isotonic Vs isokinetic eccentric contraction”

22. **Coratella G**, Annicchiarico M, Trepin M, Impellizzeri F M, Schena
Oral Presentation at XVII European Congress of Sport Science, Bruges, 2012, July 05-07

“Effect of dose response load squat jump training on muscle strength, structure and performance”

23. **Coratella G.**, Giorgi G., Impellizzeri F.M., Schena F.

Poster at LIX American College of Sport Science, San Francisco, 2012,
May 29 – June 03

“Effects of Squat Flywheel Training on Strength, Muscle Structure and Performance”.

24. **Coratella G.**, Impellizzeri F.M., Schena F.

Poster at XVI European Congress of Sport Science, Liverpool, 2011,
July, 06/09

“Comparison of the Effect of Isokinetic Vs Isotonic Eccentric Training on Muscle Strength and Mass “

**ATTIVITÀ NON-
ACCADEMICHE**

Esperto e Formatore per la Scuola dello Sport, CONI

Formatore presso la Federazione Italiana di Atletica Leggera
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