

# Cavedon Valentina - CURRICULUM VITAE

## PERSONAL INFORMATION

Date of birth: 16 July 1982  
Place of birth: Schio (Vicenza), Italy  
Nationality: Italian  
Private address: Via Quattro Stagioni 18-b  
37131 Verona – Italy  
Work address: Department of Neurological and Movement Sciences, University of Verona  
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## EDUCATION

2014 Ph.D. in Multimodal Imaging in Biomedicine, School of Science Engineering Medicine, University of Verona, Italy. Thesis title: "Investigating body dimension and composition across diverse populations with traditional and advanced techniques". Supervisor: Prof. Carlo Zancanaro.

2009 Graduate Degree in Adapted Physical Activity, Faculty of Motor Science, University of Verona, Italy. Thesis title: "Kinematic analysis of the wheelchair tennis serve: implications for classification". Supervisor: Dott.ssa Chiara Milanese.

2005 Undergraduate degree in Motor Activities and Sport Sciences, Faculty of Motor Science, University of Verona, Italy. Thesis title: "Energetic and biomechanical analysis of performance of individual time trials in cycling". Supervisor: Prof. Federico Schena.

2001 Diploma di maturità tecnica commerciale, Istituto Tecnico Commerciale e per Geometri L. e V. Pasini, Schio (Vicenza).

## ACADEMIC WORK EXPERIENCE

From 2014 to 2018 Research fellow, Department of Neurological and Movement Sciences, University of Verona.

From 2010 to 2011 Research fellow, Department of Neurological and Movement Sciences, University of Verona.

## RESEARCH AREAS

- Biological applications of anthropometry and body composition.
- Adapted physical activity.
- Motor learning.
- Sport performance.

## AWARDS

2015 Young Investigator award at the 6<sup>th</sup> International Congress Mountain, Sport & Health, Rovereto, Italy, 12-13 November 2015.

Young Investigator award at the VII National Congress-Italian Society of Movement and Sport Sciences. Padova, 2-4 October 2015.

## LIST OF PUBLICATIONS PEER-REVIEWED

Cavedon V, Zancanaro C, Milanese C. Anthropometric prediction of DXA-measured body composition in female team handball players. *PeerJ* (2018). Accepted, the article is now being prepared for publication.

Cavedon V, Zancanaro C, Milanese C. Anthropometry, Body Composition, and Performance in Sport-Specific Field Test in Female Wheelchair Basketball Players. *Front Physiol* (2018) 9:568. doi: 10.3389/fphys.2018.00568.

Milanese C, Cavedon V, Sandri M, Tam E, Piscitelli F, Boschi F, Zancanaro C. Metabolic effect of bodyweight whole-body vibration in a 20-min exercise session: A crossover study using verified vibration stimulus. *PLoS One* (2018) 13(1):e0192046. doi: 10.1371/journal.pone.0192046.

Bacchi E, Cavedon V, Zancanaro C, Moghetti P, Milanese C. Comparison between dual-energy X-ray absorptiometry and skinfold thickness in assessing body fat in overweight/obese adult patients with type-2 diabetes. *Sci Rep* (2017) 7(1):17424. doi: 10.1038/s41598-017-17788-y.

Milanese C, Corte S, Salvetti L, Cavedon V, Agostini T. Correction of a Technical Error in the Golf Swing: Error Amplification Versus Direct Instruction. *J Mot Behav.* (2016) 48(4):365-76. doi: 10.1080/00222895.2015.1102699.

Milanese C, Cavedon V, Corte S, Agostini T. The effects of two different correction strategies on the snatch technique in weightlifting. *J Sports Sci* (2016) 12:1-8.

Cavedon V, Zancanaro C, Milanese C. Physique and Performance of Young Wheelchair Basketball Players in Relation with Classification. *PLoS One* (2015) 10(11): e0143621. doi: 10.1371/journal.pone.0143621.

Corte S, Cavedon V, Milanese C. Differential effects of main error correction versus secondary error correction on motor pattern of running. *Hum Mov Sci* (2015) 44:182-91. doi: 10.1016/j.humov.2015.09.002.

Piscitelli F, Milanese C, Sandri M, Cavedon V, Zancanaro C. Investigating predictors of ball-throwing velocity in team handball: the role of sex, anthropometry, and body composition. *Sport Sciences for Health* (2015) 48(4):365-76 doi: 10.1007/s11332-015-0248-7.

Milanese C, Corte S, Salvetti L, Cavedon V, Agostini T. Correction of a technical error in the golf swing: error amplification vs. direct instruction. *J Mot Behav* (2016) 48(4):365-76. doi: 10.1080/00222895.2015.1102699.

Milanese C, Cavedon V, Corradini G, De Vita F, Zancanaro C. Seasonal DXA-measured body composition changes in professional male soccer players. *J Sports Sci* (2015) 33(12):1219-28. doi: 10.1080/02640414.2015.1022573.

Milanese C, Giacchetti A, Cavedon V, Piscitelli F, Zancanaro C. Digital three-dimensional anthropometry detection of exercise-induced fat mass reduction in obese women. *Sport Sciences for Health* (2015) 11:67-71. doi: 10.1007/s11332-014-0209-6.

Cavedon V, Zancanaro C, Milanese C, "Kinematic analysis of the wheelchair tennis serve: implications for classification". *Scand J Med Sci Sports* (2014) 24(5): e381-8. doi: 10.1111/sms.12182.

Milanese C, Piscitelli F, Cavedon V, Zancanaro C. "Effect of low intensity, low frequency ultrasound treatment on anthropometry, subcutaneous adipose tissue, and body composition of young normal weight females". *J Cosmet Dermatol* (2014) 13(3):202-7. doi: 10.1111/jocd.12101.

Milanese C, Piscitelli F, Cavedon V, Zancanaro C. "Effect of distinct impact loading sports on body composition in pre-menarcheal girls". *Science & Sports* (2013) 29:10-19. doi: 10.1016/j.scispo.2013.04.002.

## PUBLICATIONS ON NATIONAL JOURNALS PEER-REVIEWED

Milanese C, Piscitelli F, Cavedon V, Zancanaro C. "Effetto osteogenico in ginnaste pre-pubere con diverso volume di attività d'impatto". *Sport & Medicina*. Edi-Ermes s.r.l, vol. Marzo-Aprile 2013, n.2, pp. 15-19.

## CONFERENCE PROCEEDINGS

Cavedon V, Garzon S, Carrozza MA, Pomini P, Zancanaro C, Milanese C. Comparison between dual-energy X-ray absorptiometry and skinfold thickness in assessing percentage of body fat in athletes with unilateral lower limb amputation. In "Sport Sciences for Health" X National Congress-Italian Society of Movement and Sport Sciences. Messina, 05 -07 October 2018. Key note.

Cavedon V, Pedrinolla A, Venturelli M, Nicheli C, Zancanaro C, Milanese C. Evaluating the effect of daily physical exercise on endometriosis symptoms. In "Sport Sciences for Health" X National Congress-Italian Society of Movement and Sport Sciences. Messina, 05 -07 October 2018. Poster.

Milanese C, Cavedon V, Pirlo M, Zancanaro C. Anthropometric characteristics for identifying personalized anterior-posterior block distances in sprint start. In "Sport Sciences for Health" X National Congress-Italian Society of Movement and Sport Sciences. Messina, 05 -07 October 2018. Key note.

Cavedon V, Zancanaro C, Milanese C. DXA-measured body composition changes across a competitive season in wheelchair athletes. In "Sport Sciences for Health" IX National Congress-Italian Society of Movement and Sport Sciences. Brescia, 29 September-01 October 2017. Oral presentation.

Milanese C, Cavedon V, Pirlo M, Zancanaro C. Effect of postural changes on block start performance in sprint running. In "Sport Sciences for Health" IX National Congress-Italian Society of Movement and Sport Sciences. Brescia, 29 September-01 October 2017. Oral presentation.

Cavedon V, Milanese C, Zancanaro C. Gender differences in wheelchair basketball performance. In “Sport Sciences for Health” VIII National Congress-Italian Society of Movement and Sport Sciences. Roma, 7-9 October 2016. Oral presentation.

Milanese C, Cavedon V, Pirlo M, Zancanaro C. Correlation analysis of anthropometry and sprint start performance in skilled sprinters. VIII National Congress-Italian Society of Movement and Sport Sciences. Roma, 7-9 October 2016. E-Poster.

Cavedon V, Milanese C, Cecchini MP, Zancanaro C. Investigating body composition in wheelchair athletes. 70th National Congress of the Italian Society of Anatomy and Histology. Roma, 15-17 September 2016. Conventional print poster.

Cavedon V, Milanese C, Zancanaro C. Body composition assessment in spinal cord injured wheelchair athletes. 21<sup>st</sup> Annual Congress of the European College of Sport Science. Vienna/Austria, 6-9 July 2016. Conventional print poster.

Milanese C, Cavedon V, Pirlo M, Zancanaro C. Kinetic analysis of two different sprint start positions in skilled sprinters. 21<sup>st</sup> Annual Congress of the European College of Sport Science. Vienna/Austria, 6-9 July 2016. Conventional print poster.

Cavedon V, Zancanaro C, Milanese C. Physique and Performance of Young Wheelchair Basketball Players in Relation with Classification. 69th National Congress of the Italian Society of Anatomy and Histology. Ferrara, 17-19 September 2015.

Cavedon V, Milanese C, Sandri M, Zancanaro C. Acute physiological effects of whole body vibration exercise in healthy man. 6th International Congress Mountain, Sport & Health, Rovereto, Italy, 12-13 November 2015.

Milanese C, Corte S, Cavedon V. Error amplification strategy for correcting the technical error. 6<sup>th</sup> International Congress Mountain, Sport & Health, Rovereto, Italy, 12-13 November 2015.

Cavedon V, Zancanaro C, Milanese C. Physique and Performance of Young Wheelchair Basketball Players in Relation with Classification. 69th National Congress of the Italian Society of Anatomy and Histology. Ferrara, 17-19 September 2015.

Cavedon V, Milanese C, Zancanaro C. Body composition assessment in spinal cord injured wheelchair athletes. In “Sport Sciences for Health” vol.11 n. Suppl. 1, Atti di “VII National Congress-Italian Society of Movement and Sport Sciences”, Padova, 2-4 October 2015, pp 37. Poster.

Giacchetti A, Piscitelli F, Cavedon V, Milanese C, Zancanaro C. Automatic Analysis of 3D Scans of Professional Athletes. 6th International Conference on 3D Body Scanning Technologies, Lugano, Switzerland, 27-28 October 2015.

Cavedon V, Milanese C, Lorenzato M, Zancanaro C. Anthropometry, body composition and performance in young wheelchair basketball players. In “Sport Sciences for Health” vol.10 n. Suppl. 1, Atti di “VI National Congress-Italian Society of Movement and Sport Sciences”, Napoli, 26-28 September 2014, pp 59. Poster.

Milanese C, Corte S, Cavedon V, Agostini T. Motor learning strategy: using mistakes to eliminate mistakes. In “Sport Sciences for Health” vol.10 n. Suppl. 1, Atti di “VI National Congress-Italian Society of Movement and Sport Sciences”, Napoli, 26-28 September 2014, pp 40. Poster.

Cavedon V, Milanese C, Piscitelli F, Zancanaro C. Body composition assessment in wheelchair athletes. 19<sup>th</sup> Annual Congress of the European College of Sport Science 2013P, Amsterdam – The Netherlands, 02-05 July 2014, pp. 242. Oral presentation.

Cavedon V, Milanese C, Piscitelli F, Zancanaro C. Anthropometry, body composition and performance in wheelchair basketball and rugby players. In “Sport Sciences for Health” vol.9 n. Suppl. 1, Atti di “V National Congress-Italian Society of Movement and Sport Sciences”, Pavia, 27-29 September 2013, pp 19-20. Poster.

Piscitelli F, Milanese C, Cavedon V, Zancanaro C. Effects of different sports on bone mineral content and areal bone mineral density. In “Sport Sciences for Health” vol.9 n. Suppl. 1, Atti di “V National Congress-Italian Society of Movement and Sport Sciences”, Pavia, 27-29 September 2013, pp 11. Poster.

Milanese C, Corte S, Salvetti L, Cavedon V, Agostini T. The correction of pattern errors in golf swing: direct instruction feedback vs amplification of error feedback. In "Sport Sciences for Health" vol.9 n. Suppl. 1, Atti di "V National Congress-Italian Society of Movement and Sport Sciences", Pavia, 27-29 September 2013, pp 54. Oral presentation.

Cavedon V, Milanese C, Piscitelli F, Zancanaro C. Osteogenic effect in pre-pubertal athletes practicing different impact-loading sports. 18<sup>th</sup> Annual Congress of the European College Of Sport Science 2013, Barcelona – Spain, 26- 29 June 2013, pp. 379-380. Oral presentation.

Milanese C, Corte S, Salvetti L, Cavedon V, Agostini T. Amplification of error: a learning strategy to improve motor skills. 18<sup>th</sup> Annual Congress of the European College of Sport Science 2013, Barcelona – Spain, 26- 29 June 2013, pp. 159. Oral presentation.

Cavedon V, Piscitelli F, Lovato C, Milanese C, Giachetti A, Zancanaro C. Multimodal imaging technique in sport. In “Sport Sciences for Health” vol.8 n. Suppl. 1 to No 3, Atti di “4rd National Congress-Italian Society of Movement and Sport Sciences”, Palermo, 5-7 October 2012, 2012, pp 58-59. Oral presentation.

Milanese C, Piscitelli F, Cavedon V, Zancanaro C. Effect of different impact loadind sports on bone quality and body composition in pre-puberal girls. In “Sport Sciences for Health” vol.8 n. Suppl. 1 to No 3, Atti di “4rd National Congress-Italian Society of Movement and Sport Sciences”, Palermo, 5-7 October 2012, 2012, pp 15-15. Mini-oral presentation.

Piscitelli F, Milanese C, Cavedon V, Zancanaro C. Body composition predictors of ball-throwing velocity in handball. In "Sport Sciences for Health" vol.8 n. Suppl. 1 to No 3, Atti di "4rd National Congress-Italian Society of Movement and Sport Sciences", Palermo, 5-7 October 2012, 2012, pp 29-30. Mini-oral presentation.

TEACHING AT THE UNIVERSITY OF VERONA (DEPARTMENT OF NEUROSCIENCES, BIOMEDICINE AND MOVEMENT SCIENCES)

2017 Assistant Professor for Planning and coaching of training for physical preparation. Master's degree in Preventive and Adapted Exercise Science. Professor: Paola Cesari.

From 2009	Assistant Professor for Technique and Didactics of Individual Sports: Track-and-Field. Undergraduate Degree in Motor Activities and Sport Sciences. Professor: Chiara Milanese.
From 2012	Assistant Professor for Methods and Didactics of Sport Activities: Physical Conditioning in Tennis and Golf. Graduate Course in Sport Sciences and Techniques. Professor: Chiara Milanese.
From 2013	Assistant Professor for Planning and Conducting Adapted Physical Activities. Graduate Course in Sport Adapted Physical Activities. Professor: Massimo Lanza.
2009-2011	Use of Dartfish Software. Lectures during the Undergraduate Degree in Motor Activities and Sport Sciences. Professor: Chiara Milanese.
2013	Tutor in integrative and didactic activities in the Anthropometry laboratory. Undergraduate Degree in Motor Activities and Sport Sciences. Professor: Carlo Zancanaro.
From 2014	Co-supervisor of 2 Undergraduate Degree theses in Motor Activities and Sport Sciences. and Co-supervisor of 2 theses for the Graduate Course in Sport Adapted Physical Activities.

#### FURTHER RELEVANT EXPERIENCE

- Head Coach of Olympic Basket Verona – Youth Wheelchair basketball team.
- Physical conditioning trainer Olympic Basket Verona (Wheelchair basketball team A2 and B series).
- Physical conditioning trainer in Golf.
- Physical conditioning trainer in Tennis.
- Preparative courses for swimming instructors, water aerobics instructors and swimming instructors for the disabled with SNS in Genova.
- Many years of experience in fitness activities of all types (step, aerobics etc.) as well as courses in general motor skills for adults and the elderly.
- Collaboration with a number of infant and elementary schools for the insertion of motor activity courses.
- Courses of numerous sports for sports clubs and summer schools for children.
- High level courses for advanced young athletes at Tennis summer camp.

#### COMPLEMENTARY EDUCATION

2010	Certificate in Wheelchair Tennis Coaching. Italian Paralympic Committee.
2010	Certificate in Wheelchair Basketball Coaching. Italian Paralympic Committee.
2005	Certificate in High Dive Coaching. Italian Dive Federation.
2004	Certificate in Tennis Coaching. “Unione Italiana Sport Per tutti”.
2004	Certificate in Minitennis Coaching. “Unione Italiana Sport Per tutti”.
2003	Certificate in Minibasket Coaching. Italian Basketball Federation.

#### LANGUAGE SKILLS

English	Very high level of spoken and written English: individual private lessons for 3 years.
French	Good understanding of written French
German	Fair understanding of written German

#### COMPUTER SKILLS

Good command of Microsoft Office™ tools (Word, Excel, Power Point, Access), Dartfish, Kinovea, and MatLab (user).

Autorizzo espressamente il trattamento dei miei dati personali per le vostre esigenze di selezione e comunicazione in conformità al D.lgs 196/2003, autorizzo al trattamento dei dati personali contenuti nel presente curriculum per permettere un'adeguata valutazione della mia candidatura.