

CURRICULUM VITAE

Name: Camilla Martignon

Business Address: Via Felice Casorati 43, 37131 Verona, Italy

Personal Data

Date of Birth: August 10, 1995

Place of Birth: San Donà di Piave, Venice, Italy

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ResearchGate: Camilla Martignon

Current position: PhD Student, Department of Neuroscience, Biomedicine and Movement, University of Verona.

Education

- Oct 2020 – Present: PhD in Neurosciences, Psychological and Psychiatric Sciences, and Movement – University of Verona. Supervisor: Massimo Venturelli.
- Mar 2019 – Nov 2019: Traineeship “Parkinson and fatigue”, Department of Neuroscience, Biomedicine and Movement, University of Verona. Advisor: Massimo Venturelli.
- Oct 2017 – Dec 2019: Master’s Degree in Neuroscience - University of Trieste. Thesis: “Physiological evaluation of fatigue in patient with Parkinson’s Disease”. Supervisors: Piero Paolo Battaglini, Massimo Venturelli – Vote: 110/110 cum laude.
- Oct 2014 – Jul 2017: Bachelor’s Degree in Biological Sciences and Technologies – University of Trieste. Thesis: “Hemolytic disease of the newborn from ABO incompatibility”. Supervisors: Germana Meroni, Francesco Fiorin.
- 2009 – 2014: High School (specializing in classical studies) (San Donà di Piave).

Research Interest

My academic background focuses on basic and applied neurophysiology and pathology of the nervous system, neuromuscular control, and neurodegeneration in both animal and human models. To date, my current area of research includes fatigue-related mechanisms that limit exercise capacity associated to neurodegenerative pathologies in elderly with peculiar interest in Parkinson’s disease population.

Publications

1. Giuriato G, Ives SJ, Tarperi C, Bortolan L, Ruzzante F, Pedrinolla A, **Martignon C**, Laginestra FG, Cevese A, Schena F, Venturelli M. Synchronizing Muscle Contraction to Blood Velocity Spectrum Enhances Blood Flow Responses. *Journal of Applied Physiology*, 128(4) Mar. 2020.
2. **Martignon C**, Pedrinolla A, Ruzzante F, Giuriato G, Laginestra FG, Bouca-Machado R, J. J. Ferreira, Tinazzi M, Schena F, Venturelli M. Exercise testing and prescription for patients at different stage of Parkinson’s disease. *Aging Clinical and Experimental Research*, Jun. 2020. <https://doi.org/10.1007/s40520-020-01612-1>.
3. **Martignon C**, Pedrinolla A, Ruzzante F, Giuriato G, Laginestra FG, Bouca-Machado R, J. J. Ferreira, Tinazzi M, Schena F, Venturelli M. Reply to the Letter “What does characterize exercise guidelines for Parkinson’s disease?”. *Aging Clinical and Experimental Research*, Jan. 2021.
4. **Martignon C**, Ruzzante F, Giuriato G, Laginestra FG, Pedrinolla A, Di Vico IA, Saggini P, Stefanelli

- D, Tinazzi M, Schena F, Venturelli M. *The key role of physical activity against the neuromuscular deterioration in patients with Parkinson's disease. Acta Physiologica*, Feb. 2021. doi: 10.1111/apha.13630.
5. Laginestra FG, Amann M, Kirmizi E, Giuriato G, Barbi C, Ruzzante F, Pedrinolla A, **Martignon C**, Tarperi C, Schena F, Venturelli M. Electrically-induced quadriceps fatigue in the contralateral leg impairs ipsilateral knee extensors performance. *AJP*, Mar. 2021. doi: 10.1152/ajpregu.00363.2020.
 6. **Martignon C**, Laginestra FG, Giuriato G, Pedrinolla A, Barbi C, Di Vico IA, Tinazzi M, Schena F, Venturelli M. Evidence That Neuromuscular Fatigue Is Not a Dogma in Patients with Parkinson's Disease. *MSSE, Sept. 2021*. DOI: 10.1249/MSS.0000000000002791.
 7. **Martignon C**, Pedrinolla A, Laginestra FG, Giuriato G, Saggin P, Tinazzi M, Schena F, Venturelli M. Does Parkinson's disease affect peripheral circulation and vascular function in physically active patients? *J. Appl. Physiol., under review*.
 8. Pedrinolla A, Cavedon V, Milanese C, Barbi C, Giuriato G, LaGinestra FG, **Martignon C**, Schena F, Venturelli M. Vascular remodeling beyond physical inactivity: amputee model to investigate the role of muscle mass. *Am. J. Physiol. Regul. Integr. Comp. Physiol. under review*.
 9. Laginestra FG, Favaretto T, Giuriato G, **Martignon C**, Barbi C, Pedrinolla A, Cavicchia A, Venturelli M. Mechanoreflex-induced chronotropic and ventilatory responses to passive leg movement are potentiated by metabolites accumulation. *J. Appl. Physiol., under review*.

Abstracts

1. **Martignon C**, Ruzzante F, Laginestra FG, Giuriato G, Pedrinolla A, Tinazzi M, Schena F, Venturelli M. Central and peripheral components of muscle fatigue in patients with Parkinson's disease. 25th Annual Congress of the European College (ECSS). Sevilla, SP, Oct 28th – 30th, 2020. *Poster Presentation*.
2. Ruzzante F, **Martignon C**, Giuriato G, Laginestra FG, Adami A, Di Vico AI, Tinazzi M, Schena F, Venturelli M. Impact of endothelial dysfunction in Parkinson's disease 25th Annual Congress of the European College (ECSS). Sevilla, SP, Oct 28th – 30th, 2020. *Poster Presentation*.
3. **Martignon C**, Laginestra FG, Giuriato G, Pedrinolla A, Barbi C, Di Vico IA, Tinazzi M, Schena F, Venturelli M. The potential impact of physical activity on muscle fatigue in patients with Parkinson's disease. XII Congresso Nazionale SISMES. Padua, IT, Oct 8th - 10th, 2021. *Poster Presentation*.
4. **Martignon C**, Pedrinolla A, Laginestra FG, Barbi C, Giuriato G, Schena F, Venturelli M. Parkinson's Disease Affect Peripheral Circulation and Vascular Integrity? Experimental Biology. Philadelphia, USA, Apr 2nd 5th, 2022. *Poster Presentation*.
5. Barbi C, **Martignon C**, Pedrinolla A, Giuriato G, Schena F, Venturelli M. Advanced Technology or Manual Skills: Evidence That The Accuracy of corticospinal Responsiveness Is Not Ameliorated by Neuronavigation. Experimental Biology. Philadelphia, USA, Apr 2nd 5th, 2022. *Poster Presentation*.
6. Pedrinolla A, **Martignon C**, Barbi C, Schena F, Venturelli M. Vascular and Skeletal Muscle Remodeling: Beyond Physical Inactivity. Experimental Biology. Philadelphia, USA, Apr 2nd 5th, 2022. *Poster Presentation*.

Scientific Affiliations

- 2014 – 2019: Department of Life Sciences – University of Trieste, Trieste, Italy.
- 2019 – Present: Department of Neuroscience, Biomedicine and Movement - University of Verona, Verona, Italy.

Funds and Grants

Scholarship “Può l'esercizio fisico mitigare la fatica indotta dalla malattia di Parkinson?”, Department of Neuroscience, Biomedicine and Movement, University of Verona. Advisor: Massimo Venturelli, 2020.

Work Experience

Projects

- Parkinson's disease.
- Physical and cognitive frailty.
- Beet juice supplementation.
- Central fatigue and theta burst stimulation.

Tutoring Activity

- 2020: Thesis Co-Supervisor "Neuromuscular fatigue in motor neuron diseases" – Bachelor's degree in Sport and Exercise Science, University of Verona.
- 2020: Thesis Co-Supervisor "Evaluation of neuromuscular fatigue in patients with Parkinson's disease" – Master's degree in Sport and Exercise Science, University of Verona.
- 2020: Thesis Co-Supervisor "Assessment of neuromuscular factors determining force expression in patients with Parkinson's disease" – Master's degree in Sport and Exercise Science, University of Verona.
- 2021: Thesis Co-Supervisor "Associations between physical activity and clinical fatigue in patients with Parkinson's disease" – Bachelor's degree in Sport and Exercise Science, University of Verona.
- 2020: Practical Exercise in Preventive and adapted physical activity.
- 2020: Practical Exercise in Planning and conducting training.
- 2021: Practical Exercise in Planning and conducting training.

Editorial activity

- Reviewer for *Sport Science for Health Journal*
- Reviewer for *Clinical Parkinsonism & Related Disorders*
- Reviewer for *ACER*

Computer and Software Skills

- LabChart Analysis (ADInstruments)
- SigmaPlot Systat Software
- IBM SPSS Statistics
- Microsoft Office
- ImageJ

Technical Skills

- Vascular/muscle ultrasound
- ECG instrumentation
- Physioflow (Central hemodynamic monitor)
- Ischemia instrument
- Finapres (Live pressure monitor)
- EMG (Electromyography)
- Cosmed K5 – Cosmed CPET Metabolimeter
- Dynamometers
- Powerlab ADInstrument
- Digitimer (Electrical stimulation tool)
- NIRS (Near Infrared spectroscopy)
- TMS (Transcranial Magnetic Stimulation) and repetitive TMS
- Clinical evaluation scales and questionnaires

Languages

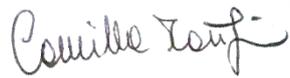
English

Italian

References

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A handwritten signature in cursive script, reading "Camilla Martignon".

Verona,

Camilla Martignon