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## Employment

### Affiliated researcher

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2020 Sept 9 → present

## Research outputs

1. Recenti, F., Battista, S., Lohmander, S., Vinblad, J., Kiadaliri, A., Abbott, A., Rolfson, O., Englund, M., Testa, M., & Dell'Isola, A. (2025). Association between metabolic conditions, physical activity and self-efficacy before and after a first-line exercise and education intervention for osteoarthritis: a longitudinal register study using the SOAD cohort. *RMD Open*, *11*(3), Article e005804. <https://doi.org/10.1136/rmdopen-2025-005804>
2. De Lucia, A., Prior, Y., Jones, R., Bertoni, G., Dell'Isola, A., Donisi, V., Perlini, C., & Battista, S. (2025). Sleep Measurement in Osteoarthritis and Inflammatory Arthritis: A Systematic Scoping Review Protocol. *Musculoskeletal Care*, *23*(2), Article e70140. <https://doi.org/10.1002/msc.70140>
3. Battista, S., Recenti, F., Kiadaliri, A., Lohmander, S., Jönsson, T., Abbott, A., Vinblad, J., Rolfson, O., Englund, M., & Dell'Isola, A. (2025). Impact of an intervention for osteoarthritis based on exercise and education on metabolic health: a register-based study using the SOAD cohort. *RMD Open*, *11*(1), Article e005133. <https://doi.org/10.1136/rmdopen-2024-005133>
4. Giardulli, B., Marazzi, D., Nespoli, A., Leuzzi, G., Dell'Isola, A., Prior, Y., & Battista, S. (2025). Perceived barriers and facilitators to exercise adherence in osteoarthritis: A thematic synthesis of qualitative studies. *Osteoarthritis and Cartilage Open*, *7*(2), Article 100584. <https://doi.org/10.1016/j.ocarto.2025.100584>
5. Recenti, F., Dell'isola, A., Giardulli, B., Testa, M., Pchelnikova, P., Ndosi, M., & Battista, S. (2025). Treatment Utilisation and Satisfaction With Management in Individuals With Osteoarthritis and Metabolic Multimorbidity: A Cross-Sectional Multi-Country Study. *Musculoskeletal Care*, *23*(1), Article e70058. <https://doi.org/10.1002/msc.70058>
6. Giardulli, B., Furri, L., Testa, M., Dell'Isola, A., Bertoni, G., & Battista, S. (2024). Expected features of the course leader in the rehabilitation healthcare professionals' higher education: A qualitative study on students' perspectives. *PLoS ONE*, *19*(12), Article e0312943. <https://doi.org/10.1371/journal.pone.0312943>
7. Bellini, R., Rossettini, G., Letafatkar, A., Dell'Isola, A., & Battista, S. (2024). Physiotherapy students' academic performance and satisfaction after following a chest physiotherapy course in hybrid mode: a case-control study. *Scientific Reports*, *14*(1), Article 24996. <https://doi.org/10.1038/s41598-024-76051-3>
8. Battista, S., Recenti, F., Giardulli, B., Testa, M., Pchelnikova, P., Ndosi, M., & Dell'Isola, A. (2024). Geographical Differences in the Perspective of Osteoarthritis Care Management: A Cross-Sectional Study in Italy, Sweden and Russia. *Musculoskeletal Care*, *22*(3), 1-14. Article e1934. <https://doi.org/10.1002/msc.1934>
9. Battista, S., Lohmander, L. S., Dell'isola, A., Dahlberg, L. E., & Kiadaliri, A. (2024). Sex and age differences in the patient-reported outcome measures and adherence to an osteoarthritis digital self-management intervention. *Osteoarthritis and Cartilage Open*, *6*(1), Article 100437. <https://doi.org/10.1016/j.ocarto.2024.100437>
10. Battista, S., Kiadaliri, A., Jönsson, T., Gustafsson, K., Englund, M., Testa, M., & Dell'Isola, A. (2024). Income-Related Inequality Changes in Osteoarthritis First-Line Interventions: A Cohort Study. *Archives of Physical Medicine and Rehabilitation*, *105*(3), 452-460. <https://doi.org/10.1016/j.apmr.2023.10.012>
11. Longhini, J., Marzaro, C., Barger, S., Palese, A., Dell'Isola, A., Turolla, A., Pillastrini, P., Battista, S., Castellini, G., Cook, C., Gianola, S., & Rossettini, G. (2024). Wearable Devices to Improve Physical Activity and Reduce Sedentary Behaviour: An Umbrella Review. *Sports Medicine - Open*, *10*, 1-16. Article 9. <https://doi.org/10.1186/s40798-024-00678-9>

12. Moseng, T., Vliet Vlieland, T. P. M., Battista, S., Beckwée, D., Boyadzhieva, V., Conaghan, P. G., Costa, D., Doherty, M., Finney, A. G., Georgiev, T., Gobbo, M., Kennedy, N., Kjekken, I., Kroon, F. P. B., Lohmander, L. S., Lund, H., Mallen, C. D., Pavelka, K., Pitsillidou, I. A., ... Østerås, N. (2024). EULAR recommendations for the non-pharmacological core management of hip and knee osteoarthritis: 2023 update. *Annals of the Rheumatic Diseases*, Article 224997. <https://doi.org/10.1136/ard-2023-225041>
13. Piscitelli, D., Brichetto, G., Geri, T., Battista, S., Testa, M., Monti Bragadin, M., & Pellicciari, L. (2024). Italian adaptation and psychometric validation of the Fatigue Impact Scale (FIS) and its modified versions in adults with multiple sclerosis: a Rasch analysis study. *Disability and Rehabilitation*, 46(22), 5366-5379. <https://doi.org/10.1080/09638288.2024.2302878>
14. Bertoni, G., Conti, V., Testa, M., Coppola, I., Costi, S., & Battista, S. (2024). Physiotherapists' training in oncology rehabilitation from entry-level to advanced education: A qualitative study. *Physiotherapy Research International*, 29(1), 1-14. Article e2060. <https://doi.org/10.1002/pri.2060>
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16. Bertoni, G., Marchesini, E., Zanchettin, F. E., Crestini, M., Testa, M., & Battista, S. (2023). Use of audience response systems (ARS) in physiotherapists' training: a qualitative study. *BMJ Open*, 13(8), Article e073025. <https://doi.org/10.1136/bmjopen-2023-073025>
17. Battista, S., Furri, L., de Biagi, G., Depedri, L., Broggi, V., & Testa, M. (2023). Clinical records after asynchronous and synchronous e-learning courses: a multi-method randomised controlled trial on students' performance and experience. *BMC Medical Education*, 23, Article 584. <https://doi.org/10.1186/s12909-023-04528-2>
18. Battista, S., Kiadaliri, A., Jönsson, T., Gustafsson, K., Englund, M., Testa, M., & Dell'Isola, A. (2023). Factors Associated with Adherence To a Supervised Exercise Intervention for Osteoarthritis: Data From the Swedish Osteoarthritis Registry. *Arthritis Care and Research*. <https://doi.org/10.1002/acr.25135>
19. Battista, S. (2023). *A Multi-Method Analysis of the Cultural, Sociodemographic and Economic Elements in Osteoarthritis Care*. [Doctoral Thesis (compilation), Department of Clinical Sciences, Lund]. Lund University, Faculty of Medicine.
20. Dottor, A., Sansone, L. G., Battista, S., Mori, L., & Testa, M. (2023). Flexion-extension strength of the index-thumb system in Italian population. A cross-sectional study to gather normative data. *Journal of Hand Therapy*, 36(1), 85-96. <https://doi.org/10.1016/j.jht.2021.05.004>
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23. Giardulli, B., Battista, S., Sansone, L. G., Manoni, M., Francini, L., Leuzzi, G., Job, M., & Testa, M. (2023). Real and perceived feet orientation under fatiguing and non-fatiguing conditions in an immersive virtual reality environment. *Virtual Reality*, 27(3), 2371-2381. <https://doi.org/10.1007/s10055-023-00809-9>
24. Benedetto, G., Simone, B., Gaia, L., Mirko, J., Ottavia, B., & Marco, T. (2023). The added value of devices to pelvic floor muscle training in radical post-prostatectomy stress urinary incontinence: A systematic review with metanalysis. *PLoS ONE*, 18(9), 1-18. Article e0289636. <https://doi.org/10.1371/journal.pone.0289636>
25. Battista, S., Manoni, M., Dell'Isola, A., Englund, M., Palese, A., & Testa, M. (2022). Giving an account of patients' experience: A qualitative study on the care process of hip and knee osteoarthritis. *Health Expectations*, 25(3), 1140-1156. <https://doi.org/10.1111/hex.13468>
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27. Caffini, G., Battista, S., Raschi, A., & Testa, M. (2022). Physiotherapists' knowledge of and adherence to evidence-based practice guidelines and recommendations for ankle sprains management: a cross-sectional study. *BMC Musculoskeletal Disorders*, 23, 1-12. Article 975. <https://doi.org/10.1186/s12891-022-05914-5>
28. Sansone, L. G., Stanzani, R., Job, M., Battista, S., Signori, A., & Testa, M. (2022). Robustness and static-positional accuracy of the SteamVR 1.0 virtual reality tracking system. *Virtual Reality*, 26(3), 903-924. <https://doi.org/10.1007/s10055-021-00584-5>
29. Camerone, E. M., Battista, S., Benedetti, F., Carlino, E., Sansone, L. G., Buzzatti, L., Scafoglieri, A., & Testa, M. (2022). The Temporal Modulation of Nocebo Hyperalgesia in a Model of Sustained Pain. *Frontiers in Psychiatry*, 13, Article 807138. <https://doi.org/10.3389/fpsyg.2022.807138>
30. Battista, S., Salvioli, S., Millotti, S., Testa, M., & Dell'Isola, A. (2021). Italian physiotherapists' knowledge of and adherence to osteoarthritis clinical practice guidelines: a cross-sectional study. *BMC Musculoskeletal Disorders*, 22(1), Article 380. <https://doi.org/10.1186/s12891-021-04250-4>

31. Gandolfi, M., Donisi, V., Battista, S., Picelli, A., Valè, N., Del Piccolo, L., & Smania, N. (2021). Health-Related Quality of Life and Psychological Features in Post-Stroke Patients with Chronic Pain: A Cross-Sectional Study in the Neuro-Rehabilitation Context of Care. *International Journal of Environmental Research and Public Health*, *18*(6), Article 3089. <https://doi.org/10.3390/ijerph18063089>
32. Cutolo, R., Battista, S., & Testa, M. (2021). Actual and Perceived Level of Scientific English across Italian Physiotherapy Courses: A Cross-Sectional Study. *Healthcare*, *9*(9), 1-11. Article 1135. <https://doi.org/10.3390/healthcare9091135>
33. Keelson, B., Buzzatti, L., Ceranka, J., Gutiérrez, A., Battista, S., Scheerlinck, T., Van Gompel, G., De Mey, J., Cattrysse, E., Buls, N., & Vandemeulebroucke, J. (2021). Automated motion analysis of bony joint structures from dynamic computer tomography images: A multi-atlas approach. *Diagnostics*, *11*(11), 1-17. Article 2062. <https://doi.org/10.3390/diagnostics11112062>
34. Battista, S., Dell'Isola, A., Manoni, M., Englund, M., Palese, A., & Testa, M. (2021). Experience of the COVID-19 pandemic as lived by patients with hip and knee osteoarthritis: an Italian qualitative study. *BMJ Open*, *11*(10), 1-9. Article e053194. <https://doi.org/10.1136/bmjopen-2021-053194>
35. Battista, S., Sansone, L. G., & Testa, M. (2021). Prevalence, Characteristics, Association Factors of and Management Strategies for Low Back Pain Among Italian Amateur Cyclists: an Observational Cross-Sectional Study. *Sports Medicine - Open*, *7*, 1-11. Article 78. <https://doi.org/10.1186/s40798-021-00370-2>
36. Job, M., Battista, S., Stanzani, R., Signori, A., & Testa, M. (2021). Quantitative Comparison of Human and Software Reliability in the Categorization of Sit-to-Stand Motion Pattern. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, *29*, 770-776. <https://doi.org/10.1109/TNSRE.2021.3073456>
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39. Gandolfi, M., Donisi, V., Marchioretto, F., Battista, S., Smania, N., & Del Piccolo, L. (2019). A Prospective Observational Cohort Study on Pharmacological Habitus, Headache-Related Disability and Psychological Profile in Patients with Chronic Migraine Undergoing OnabotulinumtoxinA Prophylactic Treatment. *Toxins*, *11*(9), Article 504. <https://doi.org/10.3390/toxins11090504>

## Projects

1. **A Multi-Method Analysis of the Cultural, Sociodemographic and Economic Elements in Osteoarthritis Care**  
Battista, S. (Research student), Englund, M. (Supervisor) & Dell'isola, A. (Supervisor)  
2019/10/01 → 2023/07/06