

## PERSONAL INFORMATION



## PERSONAL STATEMENT

I am a Physical therapist, PhD in Neuroscience. I work at University of Trieste, Department of Medical, Surgical and Health Sciences as Director of professional activities of the Physiotherapy degree course. My topic is headache, especially migraine and the habituation and sensitization mechanisms.

## WORK EXPERIENCE

13/06/2013–Present

**Physiotherapist, Academic Tutor**

University of Trieste, Trieste (Italy)

-Teaching activities and clinical tutoring

- Patients treatments (in the surgery of physiotherapy degree. I treat patients with chronic headache or skeletal muscle pain)

- Research my topic is chronic headache, chronic low back pain and shoulder pain.

05/2008–06/2013

**Physiotherapist**

Freelance, Trieste (Italy)

Azienda per i servizi sanitari n.1 Triestina, Trieste (Italy)

## EDUCATION AND TRAINING

2002–2006

**Physiotherapist Bachelor's degree**

EQF level 6

University of Trieste, Trieste (Italy)

110/110

2015–2017

**Second cycle degree in Health professions of rehabilitation sciences**

EQF level 7

University of Padua, Padua (Italy)

110 cum laude

Thesis: Instrumental assessment of physiotherapy and onabotulinumtoxin-A on cervical and headache parameters in chronic migraine.

2014–2015

**Master of Coordinating Management of Health Professions a**

EQF level 7

Unitelma Sapienza, Roma (Italy)

110 cum laude

2011–2016

**Diploma of Osteopathy (DO)**

EQF level 6

Collegio Italiano di Osteopatia, Parma (Italy)

Thesis: Osteopathic manipulative therapy in patients with chronic tension-type headache:

A pilot study.

2019–2023

PhD in Neuroscience  
University of Trieste, Trieste (Italy)

EQF level 8

PhD thesis: Neurophysiological and clinical effects of non-pharmacological and pharmacological treatments on Habituation and Sensitization outcomes in Migraine

Additional courses

- Introduction to Systematic Review and Meta-Analysis: On-line course by JOHNS HOPKINS UNIVERSITY, 13 hours
- Writing in English at University: on-line course by Lund University, 15 hours
- Academic English for PHD students, by University of Trieste, 30 hours
- 10 Tips for Preparing a Successful Manuscript with an ACS Editor, by University of Trieste, 4 hours.
- Writing in the Sciences: On-line course by Standford University, 29 hours
- Maitland Concept Level 1 and Level 2a, 300 hours
- Global Postural Re-Education (Souchart) by Université Internationale Permanente de Thérapie Manuelle. Basic Course and advanced in Scoliosis, Peripheral lesions, articular lesions and Visceral, 400 hours.
- FASCIAL MANIPULATION by Stecco Level 1

ADDITIONAL INFORMATION

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- Monticco, A., Granato, A., Menegoni, M., Deodato, M., Fantini, J., & Marcovich, R. (2015). O031. Physiotherapy treatment in chronic tension-type headache: An ongoing study. *Journal of Headache and Pain*, 16, 1. Scopus. <https://doi.org/10.1186/1129-2377-16-S1-A175>
- Deodato, M., Guolo, F., Monticco, A., Fornari, M., Manganotti, P., & Granato, A. (2019). Osteopathic manipulative therapy in patients with chronic tension-type headache: A pilot study. *Journal of the American Osteopathic Association*, 119(10), 682–687. Scopus. <https://doi.org/10.7556/jaoa.2019.093>
- Miladinovic, A., Ajcevic, M., Busan, P., Jarmolowska, J., Silveri, G., Deodato, M., Mezzarobba, S., Battaglini, P. P., & Accardo, A. (2020). Evaluation of Motor Imagery-Based BCI methods in neurorehabilitation of Parkinson's Disease patients. 2020-July, 3058–3061. Scopus. <https://doi.org/10.1109/EMBC44109.2020.9176651>
- Ajcevic, M., Deodato, M., Murena, L., Miladinovic, A., Mezzarobba, S., & Accardo, A. (2020). Assessment of mobility deficit and treatment efficacy in adhesive capsulitis by measurement of kinematic parameters using IMU sensors. *IEEE Medical Measurements and Applications, MeMeA 2020 - Conference Proceedings*. Scopus. <https://doi.org/10.1109/MeMeA49120.2020.9137157>
- Caponnetto, V., Deodato, M., Robotti, M., Koutsokera, M., Pozzilli, V., Galati, C., Nocera, G., De Matteis, E., De Vanna, G., Fellini, E., Halili, G., Martinelli, D., Nalli, G., Serratore, S., Tramacere, I., Martelletti, P., Raggi, A., & On, behalf of the E. H. F. S. of A. S. (EHF-S. (2021). Comorbidities of primary headache disorders: A literature review with meta-analysis. *Journal of Headache and Pain*, 22(1). Scopus. <https://doi.org/10.1186/s10194-021-01281-z>
- Deodato, M., Granato, A., Borgino, C., Galmonte, A., & Manganotti, P. (2021). Instrumental assessment of physiotherapy and onabotulinumtoxin-A on cervical and headache parameters in chronic migraine. *Neurological Sciences: Official Journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology*. <https://doi.org/10.1007/s10072-021-05491-w>
- Miladinovic, A., Ajcevic, M., Busan, P., Jarmolowska, J., Deodato, M., Mezzarobba, S., Battaglini, P. P., & Accardo, A. (2021). EEG changes and motor deficits in Parkinson's disease patients: Correlation of motor scales and EEG power bands. 192, 2616–2623. Scopus. <https://doi.org/10.1016/j.procs.2021.09.031>
- Deodato, M., Granato, A., Ceschin, M., Galmonte, A., & Manganotti, P. (2022). Algometer Assessment of Pressure Pain Threshold After Onabotulinumtoxin-A and Physical Therapy Treatments in Patients With Chronic Migraine: An Observational Study. *Frontiers in Pain Research*, 3. <https://www.frontiersin.org/article/10.3389/fpain.2022.770397>
- Buoite Stella A, Galimi A, Martini M, Di Lenarda L, Murena L, Deodato M. Muscle Asymmetries in the Lower Limbs of Male Soccer Players: Preliminary Findings on the Association between Countermovement Jump and Tensiomyography. *Sports (Basel)*. 2022 Nov 14;10(11):177. doi: 10.3390/sports10110177
- Manganotti, P., Michelutti, M., Furlanis, G., Deodato, M., Buoite Stella, A. Deficient GABAergic and glutamatergic excitability in the motor cortex of patients with long-COVID and cognitive impairment. *Clinical Neurophysiology*, 2023, 151, pp. 83–91
- Buoite Stella A, Cargnel A, Raffini A, Mazzari L, Martini M, Ajcevic M, Accardo A, Deodato M, Murena L. Shoulder tensiomyography and isometric strength in swimmers before and after a fatiguing protocol. *J Athl Train*. 2023 Nov 28. doi: 10.4085/1062-6050-0265.23. Epub ahead of print. PMID: 38014804.
- Deodato M, Granato A, Martini M, Stella AB, Galmonte A, Murena L, Manganotti P. Neurophysiological and Clinical Outcomes in Episodic Migraine Without Aura: A Cross-Sectional Study. *J Clin Neurophysiol*. 2023 Oct 30. doi: 10.1097/WNP.0000000000001055. Epub ahead of print. PMID: 37934069.
- Deodato M, Grosso G, Drago A, Martini M, Dudine E, Murena L, Buoite Stella A. Efficacy of manual therapy and pelvic floor exercises for pain reduction in primary dysmenorrhea: A prospective observational study. *J Bodyw Mov Ther*. 2023 Oct;36:185-191. doi: 10.1016/j.jbmt.2023.07.002. Epub 2023 Jul 13. PMID: 37949558.
- Stella AB, Galmonte A, Deodato M, Ozturk S, Reis J, Manganotti P. Climate Change and Global Warming: Are Individuals with Dementia - Including Alzheimer's Disease - At a Higher Risk? *Curr Alzheimer Res*. 2023;20(4):209-212. doi: 10.2174/1567205020666230726112305. PMID: 37493156.
- Deodato M, Martini M, Buoite Stella A, Citroni G, Ajčević M, Accardo A, Murena L. Inertial Sensors and Pressure Pain Threshold to Evaluate People with Primary Adhesive Capsulitis: Comparison with Healthy Controls and Effects of a Physiotherapy Protocol. *J Funct Morphol Kinesiol*. 2023 Oct 6;8(4):142. doi: 10.3390/jfkm8040142. PMID: 37873901; PMCID: PMC10594492.
- Deodato M, Saponaro S, Šimunič B, Martini M, Murena L, Buoite Stella A. Trunk muscles' characteristics in adolescent gymnasts with low back pain: a pilot study on the effects of a

physiotherapy intervention including a postural reeducation program. *J Man Manip Ther.* 2023 Aug 31;1-15. doi: 10.1080/10669817.2023.2252202. Epub ahead of print. PMID: 37649443.

Deodato, M., Saponaro, S., Šimunič, B. et al. Sex-based comparison of trunk flexors and extensors functional and contractile characteristics in young gymnasts. *Sport Sci Health* (2023). <https://doi.org/10.1007/s11332-023-01083-7>

Deodato M, Coan L, Buoite Stella A, Ajčević M, Martini M, Di Lenarda L, Ratti C, Accardo A, Murena L. Inertial sensors-based assessment to detect hallmarks of chronic ankle instability during single-leg standing: Is the healthy limb "healthy"? *Clin Biomech* (Bristol, Avon). 2023 Jul;107:106036. doi: 10.1016/j.clinbiomech.2023.106036. Epub 2023 Jun 29. PMID: 37406582.

Deodato M, Qualizza C, Martini M, Mazzari L, Furlanis G, Buoite Stella A, Manganotti P. Efficacy of dual-task augmented reality rehabilitation in non-hospitalized adults with self-reported long COVID fatigue and cognitive impairment: a pilot study. *Neurol Sci.* 2024 Jan 9. doi: 10.1007/s10072-023-07268-9. Epub ahead of print. PMID: 38191766.

Manuela Deodato, Antonio Granato, Jessica Del Frate, Miriam Martini, Paolo Manganotti, Differences in musculoskeletal dysfunctions and in postural alterations between chronic migraine and chronic tension type headache: A cross-sectional study, *Journal of Bodywork and Movement Therapies*, Volume 37, 2024, Pages 404-411, ISSN 1360-8592, <https://doi.org/10.1016/j.jbmt.2023.11.011>.

Deodato M, Granato A, Martini M, Sabot R, Buoite Stella A, Manganotti P. Instrumental assessment of pressure pain threshold over trigeminal and extra-trigeminal area in people with episodic and chronic migraine: a cross-sectional observational study. *Neurol Sci.* 2024 Feb 24. doi: 10.1007/s10072-024-07372-4. Epub ahead of print. PMID: 38396170.

Buoite Stella A, Dragonetti AM, Fontanot S, Sabot R, Martini M, Galmonte A, Canton G, Deodato M, Murena L. The Acute Effects of Cold Water Immersion and Percussive Massage Therapy on Neuromuscular Properties and Muscle Soreness after Exercise in Young Male Soccer Players. *Sports.* 2024; 12(6):167. <https://doi.org/10.3390/sports12060167>

Deodato M, Granato A, Buoite Stella A, Martini M, Marchetti E, Lise I, Galmonte A, Murena L, Manganotti P. Efficacy of a dual task protocol on neurophysiological and clinical outcomes in migraine: a randomized control trial. *Neurol Sci.* 2024 May 29. doi: 10.1007/s10072-024-07611-8. Epub ahead of print. PMID: 38806882.

Buoite Stella A, Rupel K, Tamos M, Fratter G, Deodato M, Martini M, Biasotto M, Di Lenarda R, Ottaviani G. Effect of repeated topical capsaicin gel administration on oral thermal quantitative sensory testing: A two-arm longitudinal study. *Oral Dis.* 2024 May 29. doi: 10.1111/odi.15012. Epub ahead of print. PMID: 38808363.

Deodato, M., Fornasaro, M., Martini, M. et al. Comparison of different telerehabilitation protocols for urogenital symptoms in females with multiple sclerosis: a randomized controlled trial. *Neurol Sci* 45, 5501–5509 (2024). <https://doi.org/10.1007/s10072-024-07742-y>

Manganotti, P.; Deodato, M.; D'Acunto, L.; Biaduzzini, F.; Garascia, G.; Granato, A. Effects of Anti-CGRP Monoclonal Antibodies on Neurophysiological and Clinical Outcomes: A Combined Transcranial Magnetic Stimulation and Algometer Study. *Neurol. Int.* **2024**, *16*, 673-688. <https://doi.org/10.3390/neurolint16040051>

Raffini A, Martini M, Mazzari L, Buoite Stella A, Deodato M, Murena L, Accardo A. Impact of Physiotherapy on Shoulder Kinematics in Swimmers with Swimmer's Shoulder Pain. *Sensors.* 2024; 24(24):7936. <https://doi.org/10.3390/s24247936>

Honours and awards

- Award for study "Efficacy of Onabotulinumtoxin A and Physical Therapy combined treatment in chronic migraine" by "Comitato compagni di scuola del Dott. Giuliano Relja", Trieste 15/12/2017
- Best thesis award at the National thesis day of the Italian Osteopathic Registry of Italy for the study "Osteopathic Manipulative Therapy in Patients With Chronic Tension-Type Headache: A Pilot Study" Roma, 24 November 2017.
- Award for presentation "Comparative assessment of efficacy of Physical therapy and Onabotulinumtoxin A on headache parameters and pressure pain threshold in chronic migraine" by SISC at SISC Conference, Napoli 14/06/2019
- Scientific committee award in support of scientific activity in the field of headaches for the study "Differences in postural alteration and in musculoskeletal dysfunction between migraine and chronic tension type headache: a cross-sectional study" by SISC at SISC Conference, L'Aquila 12/11/2021
- Best PhD work for the study "Neurophysiological and clinical effects of non-pharmacological and pharmacological treatments on habituation and sensitization outcomes in migraine" at the VI International Scientific Congress What's up: moving physiotherapy science forward 22-23 AIFI, November 2024

Presentations

- "Treatment of Chronic Tension Type Headache: Preliminary data of an individualized Physiotherapeutic approach" al XLVI SIN Società Italiana Neurologia, Genova 10-13/10/2015.
- "Comparative Assessment of Efficacy of Physical Therapy and Onabotulinumtoxin a on Headeache Clinical and Cervical Parameters in Chronic Migrane", World Congress on Pain IASP a Boston, 12-16/2018
- "Osteopathic treatment in patients with chronic tension type headache. Pilot study." 5h Intenational Conference of Osteopathic Medicine, Pescara 11-13/05 2018
- "LONGITUDINAL PREVENTION STUDY OF LOW BACK PAIN IN SPORTY CHILDREN: A PRELIMINAR CASE-CONTROL STUDY." International AIFI Congress "Therapeutic Exercise: foundations, evidences, clinical reasoning in Physiotherapy practice", Roma 12 -13/10/2017.
- "Physical therapy for chronic headaches" oral communication SIRN Congress, 5/04/2018 Trieste.
- Comparative assessment of efficacy of Physical therapy and Onabotulinumtoxin A on headache parameters and pressure pain threshold in chronic migraine" SISC Conference NAPOLI 14/06/2019
- Muscle-releted differences in Pressure Pain Threshold in patients with chronic migraine. Preliminary data of a cross-sectional observational study" 1-3 luglio 2020, 14th European Headache Federation Congress, Berlino (on-line).
- TMS e cefalee. WorkShop di Brain Stimulation, Transcranial Magentic Stimulation , TDCS, rTMS applicazioni e prospettive future. University of Trieste 14/09/2022
- "Valutazione strumentale di un trattamento combinato di tossina botulinica e fisioterapia sulla soglia del dolore alla pressione e sull'angolo cranio vertebrale in pazienti con emicrania cronica" SIRN Congress 16/04/2023
- "VALUTAZIONE STRUMENTALE DEI CAMBIAMENTI DELLA SOGLIA DEL DOLORE ALLA PRESSIONE E DEI PARAMETRI CINEMATICI DOPO UN PROTOCOLLO COMBINATO DI FISIOTERAPIA IN PAZIENTI CON CAPSULITE ADESIVA: UNO STUDIO OSSERVAZIONALE" SIOT Congress 11/02/2023, Roma
- "Neurophysiological and clinical effects of non-pharmacological and pharmacological treatments on habituation and sensitization outcomes in migraine" at the VI International Scientific Congress What's up: moving physiotherapy science forward 22-23 AIFI, November 2024

Member

- SISC (Società italiana per lo studio delle cefalee)
- IHS International Headache Society
- Board of Directors of italian physiotherapy degree course (Conferenza permanente delle classi di laurea delle professioni sanitarie)
- AIFI (Associazione italiana Fisioterapia)
- FNOFI (Federazione Nazionale Ordine Fisioterapisti)

Editor and Review activity for journals

- Journal of clinical neuroscience, Frontiers in Medicine , Frontiers in Neurology, Frontiers in Neuroscience , Frontiers in Public Health, Frontiers in Psychology, Frontiers in Human Neuroscience, Journal of Clinical Medicine, Children, Journal of Functional Morphology and

Kinesiology, Sensors, Healthcare, International Journal of Environmental Research and Public Health

-Review Editor role with: Frontiers in Human Neuroscience - Motor Neuroscience

BOARD EDITOR MEMBER OF: Journal of clinical neuroscience

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Spanish	B2	B2	B2	B2	B2
German	B1	B1	B1	B1	B2

Communication skills - Good communicative communication skills developed during research project, university lessons and during two experiences as international volunteer in Africa (Ghana and Kenya) as Physiotherapist.

Organizational / managerial skills - Leadership (currently responsible for 90 students, 3 academic tutors, 150 clinical tutors, 46 Professor and 2 administrative staff)  
 - Good organizational skills gained as provider in professional education and as director of professional physiotherapy course

Job-related skills - Mentoring skills as expert physiotherapist  
 - Teaching  
 - Research

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Independent user	Independent user	Independent user	Independent user

01/01/25

