







INFORMAZIONI PERSONALI

Nicola Marotta







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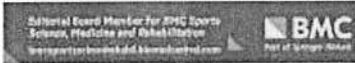


Data di Nascita 05/08/1988 | Nationalità Italiana

Medico Chirurgo, Assegnista di Ricerca in Medicina Fisica e Riabilitazione

ESPERIENZA LAVORATIVA

Giugno 2021 – 	Università “Magna Graecia” di Catanzaro, Catanzaro Italia Assegnista di Ricerca Medicina fisica e riabilitazione (MED/34) Protocollo per il monitoraggio dell'efficacia della riabilitazione nell'analisi dell'equilibrio e della deambulazione nelle persone con Sclerosi Multipla
Febbraio 2021 – Maggio 2021 	ASP Crotona, Italia Specialistica Ambulatoriale in Medicina Fisica e Riabilitativa Ore nr°: 271. Provincia di Crotona, Italia
Novembre 2016 – Novembre 2020 	Università “Magna Graecia” di Catanzaro, Catanzaro Italia Medico in formazione specialistica in in Medicina Fisica e Riabilitazione Voto: 70/70 cum laude Titolo della tesi: Rhizoarthrosis which orthosis? Systematic review and Network Meta-analysis
Novembre 2019 – Febbraio 2020 	Hospital Universitario “Virgen de las Nieves” of Granada, Spain Visiting Resident Doctor Granada, Andalusia, Spagna Formazione estera in Unità Spinale

ESPERIENZA ACCADEMICA

Marzo 2022 - 	Editor BMC Sports Science, Medicine and Rehabilitation. (Springer Nature, 2.993 - 5-year Impact Factor) Sezione in Training, Injury Prevention, and Biomechanics
Aprile 2021 - 	Editor (Guest) <ol style="list-style-type: none"> 1. <i>Special Issue:</i> Vertebral Related Diseases in Healthcare: The Role of Pain Management and Rehabilitation. Healthcare (ISSN 2227-9032). Impact Factor (IF): 2.645 (2021) 2. <i>Special Issue:</i> Role of Physiotherapy and Physical Agent Modalities for Musculoskeletal Disorders: Present and Future. Applied Sciences (ISSN 2076-3417). Impact Factor (IF): 2.679 (2021)
Aprile 2022– 	Visiting Professor <ul style="list-style-type: none"> - Medicina Fisica e Riabilitativa (MED/34)(16 ore / 2 CFU) per Tecnologie Avanzate in Riabilitazione. Akademia Nauk Stosowanych Wincentego Pola w Lublinie. Vincent Pol University in Lublin, Lublino, Polonia. Anno accademico 2021/2022
Febbraio 2021 – 	Professore a contratto <ul style="list-style-type: none"> - Medicina Fisica e Riabilitativa (MED/34)(2 CFU) per Scienze Mediche Applicate allo Sport. CL in Scienze Motorie. Università “Magna Graecia di Catanzaro. Anno accademico 2021/2022 - Medicina Fisica e Riabilitativa (MED/34)(2 CFU) per Fonochirurgia e Riabilitazione nel CL in Logopedia. Università “Magna Graecia” di Catanzaro. Anno accademico 2021/2022 - Statistica medica (MED/01)(2 CFU) per Igiene e statistica dello sport. CL in Scienze Motorie. Università “Magna Graecia di Catanzaro. Anno accademico 2020/2021 e 2021/2022 - Cultore della Materia in Anatomia Umana (BIO/16) per l’anno accademico 2020/2021 – Università “Magna Graecia” di Catanzaro

January 2020 -

Reviewer

1. European Respiratory Journal. ISSN: 0903-1936. IF: 12.3 (2019)
2. International Journal of Environmental Research and Public Health. ISSN:1660-4601 IF: 2.8 (2019)
3. Symmetry ISSN: (ISSN 2073-8994) IF:2.713 (2021)
4. Pharmaceuticals ISSN: (ISSN 1424-8247) IF:5.863 (2021)
5. Behavioural Sciences ISSN: (ISSN 2076-328X)
6. Disability and Rehabilitation (ISSN: 0963-8288) IF: 2.222 (2020)
7. Healthcare (ISSN: 2227-9032) IF:2.645 (2021)
8. Sensors (ISSN: 1424-8220) IF: 3.576 (2020)
9. Journal of Functional Morphology and Kinesiology. E-ISSN:2411-5142.
10. Physician and Sportsmedicine ISSN: 0091 IF: 1.662 (2020)

EDUCAZIONE E FORMAZIONE

Novembre 2009 – Luglio 2015



Università “Magna Graecia” di Catanzaro

Dottore in Medicina e Chirurgia (S/46)

Viale Europa, Catanzaro, Italia

Voto finale: 110/100 cum laude

Tesi in Neuropsichiatria infantile: Dal Nativo Digitale alla Matrice Digitale. Nuovi Modelli di Sviluppo Psicomotorio e Socioaffettivo. Nostra Ricerca.

COMPETENZE PERSONALI

MADRELINGUA

Other

English

Spanish

Italiano

	UNDERSTANDING		SPEAKING		WRITING
English	B2	B2	B2	B2	B2
Spanish	A2	A2	A2	A2	A2

COMPETENZE DIGITALI

- Esperto per Office suite
- Esperto di software statistici (R, STATA, JASP)
- Esperto di software di editing fotografico e di figure scientifiche acquisito come grafic designer
- Esperto of analisi cinematica ed EMG superficiei

PUBBLICAZIONI

ARTICOLI SU RIVISTA INTERNAZIONALE INDICIZZATA

1. Lippi L, de Sire A, D'Ambrosia F, Polla B, **MAROTTA N**, Castello LM, Ammendolia A, Molinari C, Invernizzi M. Efficacy of Physiotherapy Interventions on Weaning in Mechanically Ventilated Critically Ill Patients: A Systematic Review and Meta-Analysis. *Front Med (Lausanne)*. 2022 May 9;9:889218. doi: <https://doi.org/10.3389/fmed.2022.889218>
2. Ferrillo M, **MAROTTA N**, Giudice A, Calafiore D, Curci C, Fortunato L, Ammendolia A, de Sire A. Effects of Occlusal Splints on Spinal Posture in Patients with Temporomandibular Disorders: A Systematic Review. *Healthcare (Basel)*. 2022 Apr 15;10(4):739. doi: <https://doi.org/10.3390/healthcare10040739>
3. de Sire A, Gallelli L, **MAROTTA N**, Lippi L, Fusco N, Calafiore D, Cione E, Muraca L, Maconi A, De Sarro G, Ammendolia A, Invernizzi M. Vitamin D Deficiency in Women with Breast Cancer: A Correlation with Osteoporosis? A Machine Learning Approach with Multiple Factor Analysis. *Nutrients*. 2022 Apr 11;14(8):1586. doi: <https://doi.org/10.3390/nu14081586>
4. **MAROTTA N**, Ferrillo M, Demeco A, Drago Ferrante V, Inzitari MT, Pellegrino R, Pino I, Russo I, de Sire A, Ammendolia A. Effects of Radial Extracorporeal Shock Wave Therapy in Reducing Pain in Patients with Temporomandibular Disorders: A Pilot Randomized Controlled Trial. *Applied Sciences*. 2022; 12(8):3821. <https://doi.org/10.3390/app12083821>
5. Demeco A, de Sire A, **MAROTTA N**, Spanò R, Lippi L, Palumbo A, Iona T, Gramigna V, Palermo S, Leigheb M, Invernizzi M, Ammendolia A. Match Analysis, Physical Training, Risk of Injury and Rehabilitation in Padel: Overview of the Literature. *Int J Environ Res Public Health*. 2022 Mar 31;19(7):4153. doi: <https://doi.org/10.3390/ijerph19074153>
6. Pinto M, **MAROTTA N**, Caracó C, Simeone E, Ammendolia A, de Sire A. Quality of Life Predictors in Patients With Melanoma: A Machine Learning Approach. *Front Oncol*. 2022 Mar 25;12:843611. doi: <https://doi.org/10.3389/fonc.2022.843611>
7. de Sire A, **MAROTTA N**, Agostini F, Drago Ferrante V, Demeco A, Ferrillo M, Inzitari MT, Pellegrino R, Russo I, Ozyemisci Taskiran O, Bernetti A, Ammendolia A. A Telerehabilitation Approach to Chronic Facial Paralysis in the COVID-19 Pandemic Scenario: What Role for Electromyography Assessment? *Journal of Personalized Medicine*. 2022; 12(3):497. <https://doi.org/10.3390/jpm12030497> [IF: 4.945 (2020)]
8. Ferrillo M, Ammendolia A, Paduano S, Calafiore D, **MAROTTA N**, Migliario M, Fortunato L, Giudice A, Michelotti A, de Sire A. Efficacy of rehabilitation on reducing pain in muscle-related temporomandibular disorders: A systematic review and meta-analysis of randomized controlled trials. *J Back Musculoskelet Rehabil*. 2022 Feb 18. doi: <https://doi.org/10.3233/BMR-210236> [IF: 1.398 (2021)]
9. de Sire A, **MAROTTA N**, Ferrillo M, Agostini F, Sconza C, Lippi L, Respizzi S, Giudice A, Invernizzi M, Ammendolia A. Oxygen-Ozone Therapy for Reducing Pro-Inflammatory Cytokines Serum Levels in Musculoskeletal and Temporomandibular Disorders: A Comprehensive Review. *International Journal of Molecular Sciences*. 2022; 23(5):2528. <https://doi.org/10.3390/ijms23052528> [IF:5.924 (2020)]

10. Demeco A, de Sire A, MAROTTA N, Palumbo A, Fragomeni G, Gramigna V, Pellegrino R, Moggio L, Petraroli A, Iona T, Paolucci T, Ammendolia A. Effectiveness of Rehabilitation through Kinematic Analysis of Upper Limb Functioning in Wheelchair Basketball Athletes: A Pilot Study. *Applied Sciences*. 2022; 12(6):2929. <https://doi.org/10.3390/app12062929> [IF: 2.679 (2020)]
11. de Sire A, Demeco A, MAROTTA N, Spanò R, Curci C, Fari G, Fortunato F, Iona T, Lippi L, Paolucci T, Invernizzi M, Ammendolia A. Neuromuscular Impairment of Knee Stabilizer Muscles in a COVID-19 Cluster of Female Volleyball Players: Which Role for Rehabilitation in the Post-COVID-19 Return-to-Play? *Applied Sciences*. 2022; 12(2):557. <https://doi.org/10.3390/app12020557> [IF: 2.679 (2020)]
12. Calafiore D, Invernizzi M, Ammendolia A, MAROTTA N, Fortunato F, Paolucci T, Ferraro F, Curci C, Cwirlej-Sozanska A, de Sire A. Efficacy of Virtual Reality and Exergaming in Improving Balance in Patients With Multiple Sclerosis: A Systematic Review and Meta-Analysis. *Front Neurol*. 2021 Dec 10;12:773459. doi: <https://doi.org/10.3389/fneur.2021.773459> [IF: 4.003 (2021)]
13. de Sire A, MAROTTA N, Lippi L, Scaturro D, Fari G, Liccardi A, Moggio L, Letizia Mauro G, Ammendolia A, Invernizzi M. Pharmacological Treatment for Acute Traumatic Musculoskeletal Pain in Athletes. *Medicina*. 2021; 57(11):1208. <https://doi.org/10.3390/medicina57111208> [IF: 2.430 (2020)]
14. de Sire A, Moggio L, Demeco A, Fortunato F, Spanò R, Aiello V, MAROTTA N, Ammendolia A. Efficacy of rehabilitative techniques in reducing hemiplegic shoulder pain in stroke: Systematic review and meta-analysis. *Ann Phys Rehabil Med*. 2021 Nov 19;65(5):101602. doi: <https://doi.org/10.1016/j.rehab.2021.101602> [IF: 4.919 (2021)]
15. MAROTTA N, de Sire A, Gimigliano A, et al. Impact of COVID-19 lockdown on the epidemiology of soccer muscle injuries in Italian Serie A professional football players. *J Sports Med Phys Fitness*. 2022;62(3):356-360. doi: <https://doi.org/10.23736/S0022-4707.21.12903-2> [IF: 1.637 (2021)]
16. de Sire A, MAROTTA N, Raimo S, Lippi L, Inzitari MT, Tasselli A, Gimigliano A, Palermo L, Invernizzi M, Ammendolia A. Psychological Distress and Work Environment Perception by Physical Therapists from Southern Italy during COVID-19 Pandemic: The C.A.L.A.B.R.I.A Study. *International Journal of Environmental Research and Public Health*. 2021; 18(18):9676. <https://doi.org/10.3390/ijerph18189676> [IF: 3.390 (2020)]
17. Moggio L, de Sire A, MAROTTA N, Demeco A, Ammendolia A. Exoskeleton *versus* end-effector robot-assisted therapy for finger-hand motor recovery in stroke survivors: systematic review and meta-analysis. *Top Stroke Rehabil*. 2021 Aug 21;1-12. doi: <https://doi.org/10.1080/10749357.2021.1967657> [IF: 2.119 (2020)]
18. Iorio GC, Ammendolia A, MAROTTA N, Ricardi U, de Sire A. A bond between rheumatic diseases and cancer in the elderly: The interleukin-6 pathway [published online ahead of print, 2021 Aug 4]. *Int J Rheum Dis*. 2021;10.1111/1756-185X.14194. doi: <https://doi.org/10.1111/1756-185X.14194> [IF: 2.454 (2020)]
19. Moggio L, de Sire A, MAROTTA N, Demeco A, Ammendolia A. Vibration therapy role in neurological diseases rehabilitation: an umbrella review of systematic reviews. *Disabil Rehabil*. 2021 Jul 5:1-9. doi: <https://doi.org/10.1080/09638288.2021.1946175> . [IF: 3.033 (2020)]
20. Ammendolia A, MAROTTA N, Marinaro C, Demeco A, Mondardini P, Costantino C. The synergic use of the High Power Laser Therapy and Glucosamine sulfate in Knee osteoarthritis: A Randomized Controlled Trial. *Acta Biomed*. 2021;92(3):e2021237. Published 2021 Jul 1. . <https://doi.org/10.23750/abm.v92i3.10952> [IF: -]
21. MAROTTA N, Demeco A, Moggio L, and Ammendolia A. (2021), "Why is telerehabilitation necessary? A pre-post COVID-19 comparative study of ICF activity and participation", *Journal of Enabling Technologies*, Vol. 15 No. 2, pp. 117-121. <https://doi.org/10.1108/JET-11-2020-0047> [IF: -]
22. MAROTTA N, Demeco A, Moggio L, Ammendolia A. The adjunct of transcranial direct current stimulation to Robot-assisted therapy in upper limb post-stroke treatment [published online ahead of print, 2021 May 26]. *J Med Eng Technol*. 2021;1-8. <https://doi.org/10.1080/03091902.2021.1922527> [IF: -]
23. de Sire A, Demeco A, MAROTTA N, Moggio L, Palumbo A, Iona T, Ammendolia A. Anterior Cruciate Ligament Injury Prevention Exercises: Could a Neuromuscular Warm-Up Improve Muscle Pre-Activation before a Soccer Game? A Proof-of-Principle Study on Professional Football Players. *Applied Sciences*. 2021; 11(11):4958. <https://doi.org/10.3390/app11114958> [IF: 2.679 (2020)]
24. de Sire A, MAROTTA N, Marinaro C, Curci C, Invernizzi M, Ammendolia A. Role of Physical Exercise and Nutraceuticals in Modulating Molecular Pathways of Osteoarthritis. *International Journal of Molecular Sciences*. 2021; 22(11):5722. <https://doi.org/10.3390/ijms22115722> [IF: 5.924 (2020)]
25. de Sire A, MAROTTA N, Demeco A, Moggio L, Paola P, Marotta M, Iona T, Invernizzi M, Leigh M, Ammendolia A. Electromyographic Assessment of Anterior Cruciate Ligament Injury Risk in Male Tennis Players: Which Role for Visual Input? A Proof-of-Concept Study. *Diagnostics*. 2021; 11(6):997. <https://doi.org/10.3390/diagnostics11060997> [IF: 3.706 (2020)]
26. MAROTTA N, Demeco A, Moggio L, Marinaro C, Pino I, Barletta M, Petraroli A, Pepe D, Lavano F, Ammendolia A. Comparative effectiveness of breathing exercises in patients with chronic obstructive pulmonary disease. *Complement Ther Clin Pract*. 2020 Nov; 41:101260. doi: <https://doi.org/10.1016/j.ctcp.2020.101260> [IF: 2.446 (2020)]
27. Demeco A, MAROTTA N, Moggio L, Pino I, Marinaro C, Barletta M, Petraroli A, Palumbo A, Ammendolia A. Quantitative analysis of movements in facial nerve palsy with surface electromyography and kinematic analysis. *J Electromyogr Kinesiol*. 2021 Feb;56:102485. doi: <https://doi.org/10.1016/j.jelekin.2020.102485> [IF: 2.368 (2020)]
28. Moggio L, Petraroli A, MAROTTA N, Demeco A, Pino I, Marinaro C, Barletta M, Ammendolia A. Rehabilitation in primary lateral sclerosis mimicking parkinsonism: A case report. *NeuroRehabilitation*. 2020;47(4):381-386. doi: <https://doi.org/10.3233/NRE-201527> [IF: 2.138 (2020)]
29. MAROTTA N, Demeco A, Marinaro C, Moggio L, Pino I, Barletta M, Petraroli A, Ammendolia A. Authors' Response to Letter to the Editor. *Arch Phys Med Rehabil*. 2021 Jan;102(1):165-166. doi: <https://doi.org/10.1016/j.apmr.2020.08.017> [IF: 3.966 (2020)]
30. MAROTTA N, Demeco A, Moggio L, Isabella L, Iona T, Ammendolia A. Correlation between dynamic knee valgus and quadriceps activation time in female athletes. *Journal of Physical Education and Sport* 2020 20.5: 2508-2512. DOI: <https://doi.org/10.7752/jpes.2020.05342> [IF: -]
31. MAROTTA N, Ammendolia A, Marinaro C, Demeco A, Moggio L, Costantino C. International Classification of Functioning, Disability and Health (ICF) and correlation between disability and finance assets in chronic stroke patients. *Acta Biomed*. 2020 Jan 21;91(3):e2020064. doi: <https://doi.org/10.23750/abm.v91i3.8968> [IF: -]

-]
32. MAROTTA N, Demeco A, de Scorpio G, Indino A, Iona T, Ammendolia A. Late Activation of the Vastus Medialis in Determining the Risk of Anterior Cruciate Ligament Injury in Soccer Players. *J Sport Rehabil.* 2019 Nov 7;29(7):952-955. doi: <https://doi.org/10.1123/jsr.2019-0026>. [IF: 1.931 (2020)]
 33. Demeco A, MAROTTA N, Barletta M, Pino I, Marinaro C, Petraroli A, Moggio L, Ammendolia A. Rehabilitation of patients post-COVID-19 infection: a literature review. *J Int Med Res.* 2020 Aug;48(8):300060520948382. doi: <https://doi.org/10.1177/0300060520948382> [IF: 1.671 (2020)]
 34. MAROTTA N, Demeco A, Marinaro C, Moggio L, Pino I, Barletta M, Petraroli A, Ammendolia A. Comparative Effectiveness of Orthoses for Thumb Osteoarthritis: A Systematic Review and Network Meta-analysis. *Arch Phys Med Rehabil.* 2021 Mar;102(3):502-509. doi: <https://doi.org/10.1016/j.apmr.2020.06.012>. [IF: 3.966 (2020)]
 35. Ammendolia A, MAROTTA N, Demeco A, Marinaro C, Moggio L, Barletta M, Costantino C. Effectiveness of Radial Shockwave Therapy in Calcific and Non-Calcific Tendinopathy of the Shoulder: a Systematic Review and Meta-Analysis. *Muscles, Ligaments & Tendons Journal (MLTJ)*, 2020, 10.1. DOI: <https://doi.org/10.32098/mltj.01.2020.05> [IF: -]
 36. MAROTTA N, Demeco A, Indino A, de Scorpio G, Moggio L, Ammendolia A. Nintendo Wii™ versus Xbox Kinect™ for functional locomotion in people with Parkinson's disease: a systematic review and network meta-analysis. *Disabil Rehabil.* 2020 Jun 1:1-6. DOI: <https://doi.org/10.1080/09638288.2020.1768301> [IF: 3.033 (2020)]
 37. MAROTTA N, Demeco A, Inzitari MT, Caruso MG, Ammendolia A. Neuromuscular electrical stimulation and shortwave diathermy in unrecovered Bell palsy: A randomized controlled study. *Medicine (Baltimore).* 2020 Feb;99(8):e19152. DOI: <https://doi.org/10.1097/MD.00000000000019152> [IF: 1.889 (2020)]
 38. Masala D, Iona T, Bartolo D, Marinaro C, MAROTTA N, Tomello F, Ammendolia A. (2019). Device or not device... what is the APA program the best for patients with neurological disability? Pilot study. *Journal of Physical Education and Sport*, 19, 1920-1927. DOI: <https://doi.org/10.7752/jpes.2019.s5285> [IF: -]

Premi e riconoscimenti

1. MAROTTA N, Demeco A, Inzitari MT, Caruso MG, Ammendolia A. Neuromuscular electrical stimulation and shortwave diathermy in unrecovered Bell palsy: A randomized controlled study. **Finalista Miglior lavoro under 40, pubblicato nel 2020. Congresso Nazionale Società Italiana Medicina Fisica e Riabilitativa (SIMFER) 2021, Milano, Italy 28-31 Ottobre 2021.**
2. MAROTTA N, Demeco A, Moggio, Ammendolia A., "Understanding and enhancing elite running performance – Kenyathlon: A multidisciplinary approach" **Aspetar-FIMS Young Investigator Finalist Award. 36th World Congress of Sports Medicine. 23-26 September 2021 | Athens, Greece.**

Relazioni a congressi internazionali

1. MAROTTA N, Demeco A, Inzitari MT, Caruso MG, Ammendolia A. Neuromuscular electrical stimulation and shortwave diathermy in unrecovered Bell palsy: A randomized controlled study. **Finale Miglior lavoro under 40, pubblicato nel 2020. Congresso Nazionale Società Italiana Medicina Fisica e Riabilitativa (SIMFER) 2021, Milano, Italy 28-31 Ottobre 2021.**
2. MAROTTA N, Demeco A, Moggio, Ammendolia A., "Understanding and enhancing elite running performance – Kenyathlon: A multidisciplinary approach" **Aspetar-FIMS Young Investigator Finalist Award. 36th World Congress of Sports Medicine. FIMS 2021 23-26 September 2021 | Athens, Greece.**
3. MAROTTA N, Spagnuolo R, Demeco A, Fieramosca V, Inzitari MT, Doldo P. Diaphragmatic Rehabilitation In Gastroesophageal Reflux Disease. In: **Proceedings of the 22nd European ESPRM 2020 Congress, Belgrade, Serbia 19-23 September 2020**
4. MAROTTA N, Demeco A, de Scorpio G, Indino A, Iona T, Ammendolia A. Late activation of the vastus medialis in determining the risk of anterior cruciate ligament injury in football. In: **Atti Della XXVIII edizione dell' "International Conference on Sports Rehabilitation and Traumatology, Isokinetic 2019 Medical Group Conference". Wembley stadium, London, England 27, 28, 29 Aprile 2019.**

AutORIZZO il trattamento dei miei dati personali presenti nel cv ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e del GDPR (Regolamento UE 2016/679). Ai sensi e per gli effetti delle disposizioni di cui al DPR 4/5/2000, il sottoscritto dichiara che le informazioni contenute nel presente curriculum corrispondono al vero.

Catanzaro, 16 giugno 2022

Dott. Nicola Marotta

