




**PERSONAL INFORMATION** Sara Liguori

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**WORK EXPERIENCE**

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- 06/04/2018–Present National Coordinator Resident Section of Italian Society for Neurological Rehabilitation
- 06/02/2017–Present Training at the Multiple Sclerosis Clinic of University of Campania "Luigi Vanvitelli"  
Evaluation of patient affected by multiple sclerosis and prescription of specific rehabilitation and orthosis
- 06/02/2016–Present Training at the Neuromuscular Disease Clinic of University of Campania "Luigi Vanvitelli"  
Evaluation of patient affected by primitive myopathies and prescription of specific rehabilitation and orthosis
- 12/2013–12/2014 Doctor at the Association of Voluntary Blood Donors, Naples, Italy

**EDUCATION AND TRAINING**

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- 04/05/2020–ongoing Research fellowship in Physical and Rehabilitation Medicine at the University of Campania "Luigi Vanvitelli".
- 10/12/2014–10/12/2019 Resident in Physical and Rehabilitation Medicine at the University of Campania "Luigi Vanvitelli"
- 17/03/2018–10/06/2018 I level course in Manual Medicine, Rome, Italy
- 17/02/2018–04/03/2018 Training "Neurorehabilitation in developmental age", Conegliano, Italy
- 05/05/2017-07/05/2017 Training "Musculoskeletal ultrasound", Como, Italy.

**PERSONAL SKILLS**

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Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Digital skills

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

Digital skills - Self-assessment grid

ADDITIONAL INFORMATION

10/2019-ongoing

Production of 19 blogshot for Cochrane Rehabilitation of the following Cochrane Systematic Review:

- Exercise programmes for ankylosing spondylitis, Cochrane Musculoskeletal Group, 2019
- Interventions for preventing falls in people after stroke, Cochrane Stroke Group, 2019
- Botulinum toxin type A in the treatment of lower limb spasticity in children with cerebral palsy, Cochrane Developmental, Psychosocial and Learning Problems Group, 2019
- Assisted standing for Duchenne muscular dystrophy, Cochrane Neuromuscular Group, 2019
- Palliative care interventions for people with multiple sclerosis Cochrane Multiple Sclerosis and Rare Diseases of the CNS Group, 2019
- Cognitive rehabilitation for attention deficits following stroke Cochrane Stroke Group, 2019
- Biofeedback for treatment of irritable bowel syndrome Cochrane IBD Group, 2019
- Individual recovery expectations and prognosis of outcomes in non-specific low back pain: prognostic factor review Cochrane Back and Neck Group, 2019.
- Beginning reading interventions for children and adolescents with intellectual disability, Cochrane Developmental, Psychosocial and Learning Problems Group, 2019.
- Transcutaneous electrical nerve stimulation (TENS) for chronic neck pain, Cochrane Back and Neck Group, 2019.
- Strength training and aerobic exercise training for muscle disease, Cochrane Neuromuscular Group, 2019.
- Biofeedback for treatment of irritable bowel syndrome, Cochrane IBD Group, 2019.
- Exercise versus no exercise for the occurrence, severity, and duration of acute respiratory infections, Cochrane Acute Respiratory Infections Group, 2020.
- Cognitive behavioural therapy for tinnitus, Cochrane ENT Group, 2020.
- Health-improving interventions for obtaining employment in unemployed job seekers, Cochrane Work Group, 2020.
- Pharmacological, psychological, and non-invasive brain stimulation interventions for treating depression after stroke, Cochrane Stroke Group, 2020.
- Motor neuroprosthesis for promoting recovery of function after stroke, Cochrane Stroke Group, 2020.

Exercise therapies for preventing or treating aromatase inhibitor- induced musculoskeletal symptoms in early breast cancer, Cochrane Breast Cancer Group, 2020.

Low vision rehabilitation for better quality of life in visually impaired adults, Cochrane Eyes and Vision Group, 2020.

Production of 32 statements for e-book of the following Cochrane Systematic Review:

Immunomodulatory treatment other than corticosteroids, immunoglobulin and plasma exchange for chronic inflammatory demyelinating polyradiculoneuropathy, Cochrane Neuromuscular Group, 2017.

Benzodiazepines for restless legs syndrome (RLS), Cochrane Movement Disorders Group, 2017.

Interventions to prevent and treat corticosteroid-induced osteoporosis and prevent osteoporotic fractures in Duchenne muscular dystrophy, Cochrane Neuromuscular Group, 2017.

Exercise for hand osteoarthritis, Cochrane Musculoskeletal Group, 2017.

Plasma exchange for Guillain-Barré syndrome (GBS), Cochrane Neuromuscular Group, 2017.

Cognitive rehabilitation for memory deficits after stroke, Cochrane Stroke Group, 2016.

Professional interventions for general practitioners on the management of musculoskeletal conditions, Cochrane Effective Practice and Organisation of Care Group, 2016.

## Publications 2020

Migliore A, Paoletta M, Moretti A, **Liguori S**, Iolascon G. The perspectives of intra-articular therapy in the management of osteoarthritis [published online ahead of print, 2020 Jun 22]. *Expert Opin Drug Deliv.* 2020;1-13. doi:10.1080/17425247.2020.1783234 (IF)

**Liguori S**. Is topiramate effective and tolerated in young people with juvenile myoclonic epilepsy? A Cochrane Review summary with commentary [published online ahead of print, 2020 Jun 17]. *Dev Med Child Neurol.* 2020;10.1111/dmcn.14598. doi:10.1111/dmcn.14598 (IF)

Iolascon G, Moretti A, Toro G, Gimigliano F, **Liguori S**, Paoletta M. Pharmacological Therapy of Osteoporosis: What's New?. *Clin Interv Aging.* 2020;15:485-491. Published 2020 Mar 26. doi:10.2147/CIA.S242038 (IF)

Pisani E., Curci C., Moretti A., Mazzola A., Paoletta M., **Liguori S.**, & Iolascon G. (2020). Effectiveness and tolerability of focal versus radial extracorporeal shock wave therapy in patients affected by plantar fascia enthesopathy. *Beyond Rheumatology*, 2(1), 26-30. <https://doi.org/10.4081/br.2020.11> (IF)

Nastri L, Moretti A, Migliaccio S, Paoletta M, Annunziata M, **Liguori S**, Toro G, Bianco M, Cecoro G, Guida L, Iolascon G. Do Dietary Supplements and Nutraceuticals Have Effects on Dental Implant Osseointegration? A Scoping Review. *Nutrients.* 2020;12(1):268. Published 2020 Jan 20. doi:10.3390/nu12010268 (IF 4.171)

## 2019

Iolascon G, Paoletta M, **Liguori S**, Curci C, Moretti A. Neuromuscular Diseases and Bone. *Front Endocrinol (Lausanne).* 2019;10:794. Published 2019 Nov 22. doi:10.3389/fendo.2019.00794 (IF 3.364)

Engkasan JP, Ahmad-Fauzi A, Sabirin S, Chai CC, Abdul-Malek IZ, **Liguori S**, Moretti A, Gimigliano F. Mapping the primary outcomes reported in Cochrane systematic reviews regarding stroke with the International Classification of Functioning, Disability and Health

domains: current trend and future recommendations. *Eur J Phys Rehabil Med.* 2019;55(3):378-383. doi:10.23736/S1973-9087.19.05792-7 (IF 2.101)

Gimigliano F, De Sire A, Gastaldo M, Maghini I, Paoletta M, Pasquini A, Boldrini P, Selb M, Proding B; **SIMFER Residents Section Group**, Use of the International Classification of Functioning, Disability and Health Generic-30 Set for the characterization of outpatients: Italian Society of Physical and Rehabilitative Medicine Residents Section Project. *Eur J Phys Rehabil Med.* 2019;55(2):258-264. doi:10.23736/S1973-9087.18.05324-8

Iolascon G, **Liguori S**, Paoletta M, Moretti A. "Management of musculoskeletal issues in Pompe disease" *Clinical Cases in Mineral and Bone Metabolism*, 2019 16(1):42-47

## 2018

**Liguori S**, de Sire A, Moretti A, et al. Musculoskeletal impairment and functional limitations in a patient affected by mutation in the laminin a-5 gene. *Funct Neurol.* 2018;33(2):117-118.

Iolascon G, Moretti A, de Sire A, Liguori S, Toro Giuseppe, Gimigliano F, (2018) Pharmacological therapy of sarcopenia: past, present and future. *Clin Cases Miner Bone Metab* 15:411–419

## 2014

Tessitore A, Giordano A, Caiazza G, Corbo D, De Micco R, Russo A, **Liguori S**, Cirillo M, Esposito F, Tedeschi G. Clinical correlations of microstructural changes in progressive supranuclear palsy. *Neurobiol Aging.* 2014;35(10):2404-2410. doi:10.1016/j.neurobiolaging.2014.03.028. (IF 5.013)

Giordano A, Tessitore A, Salemi F, **Liguori S**, Cirillo M, Tedeschi G. Spinal pseudoathetosis: an unusual presentation of cervical spondylotic myelopathy. *Neurol Sci.* 2013;34(11):2063-2065. doi:10.1007/s10072-013-1433-6 (IF 1.447)

Cirillo G, Tessitore A, Cirillo M, Salemi F, **Liguori S**, Esposito S, Tedeschi G. Livedo and ischemic strokes: diagnostic hints of a rare condition. *Neurol Sci.* 2013;34(11):2073-2075. doi:10.1007/s10072-013-1452-3 (IF 1.447)

Giordano A, Tessitore A, Corbo D, Cirillo G, de Micco R, Russo A, **Liguori S**, Cirillo M, Esposito F, Tedeschi G. Clinical and cognitive correlations of regional gray matter atrophy in progressive supranuclear palsy. *Parkinsonism Relat Disord.* 2013;19(6):590-594. doi:10.1016/j.parkreldis.2013.02.005 (IF 4.360)

**Honours and awards**

Winner of the ORTOMED prize with poster “Patient-Acceptable Symptom State (PASS) e il Patient-Acceptable Function Scale (PAFS): una nuova misura di outcome nel paziente con OA ” presso XIV CONGRESSO ORTOMED, Firenze.

Winner of 2017 ESCEO-Eli Lilly Scholarship of the International Osteoporosis Foundation

Winner of the ORTOMED prize with the oral presentation entitled "Skeletal muscle impairment in a case of laminin alpha5 gene mutation" at XII CONGRESSO ORTOMED, Florence.

**Presentations**

Oral presentation “Bone dysfunction in neurological diseases and rehabilitation in children ” at the first edition of Summer School entitled “BONE ACROSS THE LIFE SPAN:FUNCTION, DISFUNCTION AND THERAPY: Education, tools, and strategies to optimize your patient outcomes” at the Verona University

Oral presentation "Rehabilitation role in the conservative treatment of neuromuscular scoliosis", AISOT, Naples

Oral presentation "MUSCULOSKELETAL IMPAIRMENT IN A PATIENT AFFECTED BY A MUTATION OF THE HUMAN LAMININ ALFA5-CHAIN GENE:CASE REPORT" at the Fellow Day SIOMMMS 2018

**Abstracts**

1. De Sire A, Gimigliano F, Mozzillo S, Russo F, LIGUORI S, Siani MF, Iolascon G, Gimigliano R. The role of nutraceuticals in myopathies: a scoping review. In: Abstract Book. 11<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine (ISPRM). Buenos Aires, Argentina, 30<sup>th</sup> April – 4<sup>th</sup> May 2017.

2. LIGUORI S, De Sire A, Moretti A, Gimigliano F, Iolascon G. Impairment muscolo-scheletrico in un caso di mutazione del gene della catena alfa5 della laminina (LAMA5). In: Abstract Book. XVII National Congress of Italian Society of Neurological Rehabilitation (SIRN). P. 274. Pisa, Italy, 6<sup>th</sup> – 8<sup>th</sup> April 2017.

3. LIGUORI S, De Sire A, Paoletta M, Gimigliano F, Iolascon G. Musculoskeletal impairment in a patient affected by a mutation of the human laminin alfa5-chain gene: case report. In: Osteoporosis International 2017, Vol. 28, Suppl. 1, p. 265-266, ISSN: 0937-941X.

4. De Sire A, LIGUORI S, Moretti A, Gimigliano F, Iolascon G. Gli integratori alimentari e i nutraceutici sono realmente efficaci per le funzioni muscolo-scheletriche e cognitive dell'anziano? Scoping review del Gruppo di Studio Healthy Ageing by Nutraceuticals and Dietary Supplements (HANDS). In: Abstract Book. XI National Congress of Italian Society of Orthopedics and Medicine and Rare Diseases (OrtoMed). P 126. Florence, Italy, 15<sup>th</sup> – 17<sup>th</sup> December 2016

5. LIGUORI S, Di Donato I, Mozzillo S, De Sire A, Gimigliano F, Iolascon G. Fenotipo muscolo-scheletrico in pazienti con malattie muscolari geneticamente determinate. In: Abstract Book. XI National Congress of Italian Society of Orthopedics and Medicine and Rare Diseases (OrtoMed). P 93. Florence, Italy, 15<sup>th</sup> – 17<sup>th</sup> December 2016.

6. LIGUORI S, Moretti A, Mozzillo S, De Sire A, Gimigliano F, Iolascon G, Gimigliano R. Identificazione delle categorie ICF in pazienti con malattie muscolari primitive. Conference proceedings. X National Congress Medical Doctors in Specialistic Formation in Physical and Rehabilitative Medicine. Bologna, Italy, 19<sup>th</sup> November 2016.

7. LIGUORI S, Iolascon G, Moretti A, De Sire A, Gimigliano R. Valutazione della percezione dello stato di salute, della qualità di vita e della limitazione funzionale nelle ADL in pazienti affetti da Complex Regional Pain Syndrome di tipo 1 (CRPS-1). In: MR Giornale Italiano di Medicina Riabilitativa 2015. Vol.29 - N.2-3; P. 140-141. ISSN: 1827-1995. Abstract Book. 43<sup>rd</sup> National Congress of the Italian Society of Physical and Rehabilitative Medicine (SIMFER). Ferrara, Italy, 4<sup>th</sup> – 7<sup>th</sup> October 2015.

#### Italian Medical Licensing

Specialist in Physical and Rehabilitation Medicine with grade of 50 cum laude at the University of Campania "Luigi Vanvitelli", Naples, Italy

Registration at the Professional Register of Medical Surgeons - Provincial Order of Physicians and Dentists of the Province of Naples

#### Italian Medical Licensing

Attainment of the Italian Medical Licensing with grade of 110 cum laude at the University of Campania "Luigi Vanvitelli", Naples, Italy

#### High School Diploma

High School leaving qualification in Classical Studies with grade of 100 Classical Lyceum "Jacopo Sannazaro", Naples, Italy.

Naples, 16 July 2020