


## CURRICULUM VITAE

PERSONAL INFORMATION	
<i>Name</i>	<b>ELEONORA COCCO</b>
<i>Date of birth</i>	25TH DECEMBER 1973
<i>Nationality</i>	ITALIAN
<i>Address</i>	VIA GOLDONI, 38; CAGLIARI 09131
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<i>E-mail</i>	<a href="mailto:ECOCCO@UNICA.IT">ECOCCO@UNICA.IT</a> ELEONORA.COCCO@CA.OMCEO.IT
<i>Position</i>	ASSOCIATE PROFESSOR OF NEUROLOGY (06D6/MED26) DIRECTOR OF THE COMPLEX UNIT: "NEUROLOGY: MULTIPLE SCLEROSIS REGIONAL CENTER, ASL CAGLIARI/UNIVERSITY OF CAGLIARI
<i>ID scientific international database</i>	ID ORCID: ORCID.ORG/0000-0002-3878-8820.  SCOPUS AUTHOR ID: 7004171007, RESEARCHERID: G-5064-2012

## DEPARTMENT/DIVISION

- Department of Medical Science and Public Health, University of Cagliari.
- Multiple Sclerosis Center, Ospedale Binaghi, ASSL Cagliari, ATS Sardegna (Italy)

## POSITIONS

### *Actual positions:*

- Associate Professor of Neurology (MED26) Department of Medical Science and Public Health, University of Cagliari (31st December 2014- ongoing)
- Director of the complex unit "Regional Multiple Sclerosis center", Binaghi Hospital, ASSL Cagliari, ATS Sardegna (1<sup>st</sup> February 2017- ongoing)

### *Previous positions:*

- Researcher in Neurology, Department of Public Health, Clinical and Molecular Medicine University of Cagliari (2002- 2014)

- Neurologist at the Multiple Sclerosis Center, University of Cagliari-ASL 8 Cagliari, Italy (2002- December 2014)
- Resident in Neurology at Multiple Sclerosis Center, University of Cagliari-ASL 8 Cagliari, Italy (1998-2002)

## **HIGHER EDUCATION AND QUALIFICATIONS**

- Healthy System Management course (MIP) 2020
- 28/03/2017 National qualification for full professor in neurology (SSD: MED26)
- 03/02/2014 National qualification for associate professor in neurology (SSD: MED26)
- 2003 Neurology Residency, University of Cagliari, Italy (50/50 cum laude) Residency final thesis: “*HLA-DR, DQ and APOE* genotypes and gender influence in Sardinian primary progressive MS”
- 1999: European medical license
- 1998 Doctoral degree in medicine and surgery (MD equivalent), University of Cagliari. Final marks: 110/110 (1st hors) *summa cum laude*. Master Degree final thesis: “Genetic predisposition to Multiple sclerosis in Sardinian population”

## **INTERNATIONAL EXPERIENCE**

Visiting Research Scientist at the H. Houston Merritt Clinical Research of the Department of Neurology, Columbia University Medical Center in New York City (US) from September 1<sup>st</sup>, 2006 to November 17, 2006 and from November 5<sup>th</sup> 2007 to 29<sup>th</sup> April 2008.

## **SCIENTIFIC PRIZE**

2001 AINI Prize “Marco Vergelli” with the study: “Patients with multiple sclerosis and risk of type 1 diabetes mellitus in Sardinia, Italy: a cohort study”

2008 “Rita Levi Montalcini Award” for young researcher in multiple sclerosis (Italian Foundation of Multiple Sclerosis)

## **CLINICAL RESEARCH EXPERIENCE:**

Participation in several clinical trials according to GCP. Qualified by education and experience to conduct trial according to the ICH-GCP.

2000-2017 Co investigator as treating and examining physician in the most important (more than 20) international pharmacological clinical trials (phase II, III and IV) in multiple sclerosis and principal investigator since 2017.

- “Double-Blind Multicenter study to compare the Safety and tollerability of 8 MIU Interferon beta 1b (Betaseron/Betaferon) administred subcutaneously versus a new Formulation containing

Mannitol instead of Dextrose as eccipient in patients with relapsing remitting or secondary progressive Multiple Sclerosis” (study number 98149/302004).

- Examining physician in the multicenter double blind phase III study CORAL – protocol GA/70023.

- Co-investigator: “Ricerca epidemiologica sulla Qualit. della vita e impatto della terapia precoce sulla evoluzione della malattia e sulla qualit. di vita nei pazienti affetti da Sclerosi Multipla”.

- Co-investigator “the Italian Autologous Bone Marrow transplantation in Multiple sclerosis patients clinical study”.

- Examining physician in the “randomized, double-blind, placebo-group, multicenter study to determine the safety and efficacy of Natalizumab when added to Avonex (Interferon beta 1a) in subjects with relapsing remitting multiple sclerosis”. (Natalizumab-Protocol C-1802) e nello studio di estensione (Natalizumab Protocol C1808).

- Treating physician in “randomized, double-blind, placebo-group, multicenter study to determine the safety tolerability and efficacy of CCI-779 in subjects with relapsing remitting multiple sclerosis”. (Protocol 3066A2-205WW) e nello studio di estensione (Protocol 3066A2-210WW).

- Treating physician in “multinational, multicenter, randomized, double-blind, parallel group, placebo controlled study to evaluate the efficacy, tolerability and safety of two doses of Laquinimod Orally Administered in relapsing remitting (R-R) Multiple Sclerosis Subjects”. (Protocol LAQ/5062) e nello studio di estensione.

- Treating physician in “CLARITY study multinational, multicenter, randomized, double-blind, parallel group, placebo controlled study to evaluate the efficacy, tolerability and safety of oral administered cladribine in multiple sclerosis”. (Protocol 27820)

- Treating physician in the multinational, multicenter, randomized, double-blind, parallel group, placebo controlled study to evaluate the efficacy, tolerability and safety of oral administered fingolimod (FTY720) versus interferon beta 1a (Avonex) in relapsing remitting multiple sclerosis. (Protocol FTY2302)

- Treating physician in the study A Phase 3 Randomized, Rater-Blinded Study Comparing Two Annual Cycles of Intravenous Alemtuzumab to Three-Times Weekly Subcutaneous Interferon Beta-1a (Rebif.) in treatment Patients with Relapsing remitting multiple sclerosis (CARE-MS II) e studio di esternsione.

- Treating physician in “A Study Comparing the Effectiveness and Safety of Teriflunomide and Interferon Beta-1a in Patients With Relapsing Multiple Sclerosis” (TENERE) e studio di estensione.
- Treating physician in “A Study of Ocrelizumab in Patients With Primary Progressive Multiple Sclerosis” (ORATORIO)
- Principal investigator national coordinator of the “Studio prospettico osservazionale per identificare il ruolo dell’aderenza come strumento di decisione terapeutica in soggetti affetti da Sclerosi Multipla Recidivante (SMR) alla prima ricaduta clinica durante il trattamento con farmaci di prima linea” (Studio CHOICE).

### **SCIENTIFIC RESEARCH ACTIVITY:**

List of publication in peer reviewed international journals (attached)

### **FOREIGN LANGUAGES**

Italian native speaker

Common European Framework of Reference for Languages:

- English B2 level (C1 in reading and listening)
- Spanish A2 level

### **RESEARCH GRANTS and PROJECTS**

- Principal Investigator of the project: “Ruolo del genoma mitocondriale nella sclerosi multipla primaria progressiva in Sardegna” grant “start up giovani ricercatori” of the Università degli studi di Cagliari (2007)
- Participant in the: “Progetto strategico multicentrico del Ministero Salute (Bando 2007) dal titolo: Patogenesi, diagnosi e terapia della sclerosi multipla alla luce di ipotesi emergenti sul ruolo di alterate interazioni tra geni e ambiente nello sviluppo della malattia, national coordinator Dr Francesca Aloisi (ISS).
- Principal Investigator of the project: “Role of the mitochondrial genome in primary progressive multiple sclerosis in Sardinia” funded by FISM 2007 (peer review)
- Participant in the multicenter project PRIN 2008: “Dall'identificazione nella sclerosi multipla di fattori causativi ereditabili e non allo studio delle loro interazioni” (National coordinator: Prof. MG Marrosu)
- Coordinator of the unit in the multicenter project funded by FISM nel 2011 (peer review): “Analisi dell'infezione con virus di Epstein-Barr e della risposta immunitaria nel

fluido cerebrospinale e nel sangue di pazienti con sclerosi multipla mediante tecniche altamente sensibili di PCR. National coordinator Dr Francesca Aloisi (ISS)

- Participant in the following projects funded by Legge Regionale 7 (2007) dalla Regione Autonoma Sardegna:
- RAS 2008 "Creazione di un modello predittivo dell'autoimmunità in Sardegna basato sull'interazione tra geni e ambiente: studio dell'associazione tra mycobacterium avium subspecies paratuberculosis con la sclerosi multipla e il diabete mellito di tipo 1".
- RAS 2010: "Studio metabolomico per la ricerca di nuovi markers predittivi e prognostici nella sclerosi multipla"
- RAS 2010 (tender) "Attività motoria adattata e Sclerosi Multipla".
- National coordinator of the project funded by the International hypothyroidism foundation (FEI). of the project of hypothyroidism and multiple sclerosis year 2012.
- Principal Investigator of the multicenter project "Geoepidemiology of multiple sclerosis: The environmental factors" funded by FISM 2012 (peer review).
- Coordinator of the unit in the study "Defining the gut microbial composition and function in MS patients through meta-genomic sequencing, targeted 16S RNA sequencing and faecal metaproteome screening" funded by National Multiple Sclerosis Society call spring 2014. PI Dr. Zoladzewska (CNR).
- Principal Investigator of the project "DREAMS Device for REhAbilitation in Multiple Sclerosis" An innovative device for rehabilitation in multiple sclerosis" grant INNOVARE 2014 (University of Cagliari).
- Coordinator of the unit in the international multicenter study "A Multicentric Randomized Pragmatic Trial to Compare the Effectiveness of Fingolimod versus Dimethyl-Fumarate on Patient Overall Disease Experience in Relapsing-Remitting Multiple Sclerosis: Novel Data to Inform Decision Makers" finanziato dalla Patient centered outcomes research Institute (PCORI). Coordinator Dr. Mantegazza Fondazione IRCCS Istituto Neurologico "Carlo Besta".
- Principal Investigator in the following projects funded by Fondazione Banco di Sardegna::
- 2012: Fattori ambientali e sclerosi multipla in Sardegna: Ruolo del Mycobacterium avium subspecies paratuberculosis sul fenotipo di malattia.

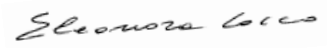
- 2013: Impatto della Sclerosi Multipla nella provincia di Cagliari.
- 2014: Studio qualitativo della percezione del rischio nei pazienti affetti da sclerosi multipla.
- 2015 Between disease, illness and sickness: Educare alla salute nella sclerosi multipla.
- Principal Investigator of the multicenter project titled “A-PRISM Approccio PRognostico Integrato per la Sclerosi Multipla” funded by Regione Autonoma della Sardegna Call Legge 7 2018. (RASSR42584)
- Coordinator of Unit in the project “Dissecting the impact of gut mucosal immunity in autoimmune diseases.” (PI Professor Francesco Cucca). MIUR Call PRIN. Prot. 2017M9L3L8.
- Coordinator of the Unit in the multicenter project: “Prevenire la progressione della disabilità fisica e promuovere la riorganizzazione cerebrale funzionale nelle persone con Sclerosi Multipla: integrazione di un trattamento riabilitativo precoce clinico multimodale e di una valutazione strumentale” (PI Marco Rovaris) Ministry of Health Call RF2019. Prot. RF-2019-12371148
- Principal Investigator in the project titled “The effect of a telerehabilitation virtual reality intervention on functional upper limb activities in people with multiple sclerosis (TEAMS). Cooperative (Italy /Israel) project funded by Ministero degli affair esteri e della cooperazione internazionale (MAECI) call 2019.
- Principal Investigator in the project titled “Optimizing virtual reality training through real-time neuroimaging in people with multiple sclerosis: a functional near-infrared spectroscopy (fNIRS) study. Cooperative (Italy /Israel) project funded by Ministero degli affair esteri e della cooperazione internazionale (MAECI) call for consolidator grant 2021.
- Principal investigator in the multi-disciplinary project “Renin – Angiotensin system’s role in SARS-COV2 infection in multiple sclerosis: from bed to the bench-side”. FdS Call 2020

**According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.**

Cagliari, 11February 2022

Signature

Eleonora Cocco

A handwritten signature in cursive script, reading "Eleonora Cocco", written in black ink on a light-colored background.

*List of publication in peer reviewed international journals*

1. Chisari CG, Comi G, Filippi M, Paolicelli D, Iaffaldano P, Zaffaroni M, Brescia Morra V, **Cocco E**, Marfia GA, Grimaldi LM, Inglese M, Bonavita S, Lugaresi A, Salemi G, De Luca G, Cottone S, Conte A, Sola P, Aguglia U, Maniscalco GT, Gasperini C, Ferrò MT, Pesci I, Amato MP, Rovaris M, Solaro C, Lus G, Maimone D, Bergamaschi R, Granella F, Di Sapio A, Bertolotto A, Totaro R, Vianello M, Cavalla P, Bellantonio P, Lepore V, Patti F; Italian MS Register Study Group. PML risk is the main factor driving the choice of discontinuing natalizumab in a large multiple sclerosis population: results from an Italian multicenter retrospective study. *J Neurol*. 2022 Feb;269(2):933-944. doi: 10.1007/s00415-021-10676-6.
2. Russo CV, Saccà F, Frau J, Annovazzi P, Signoriello E, Bonavita S, Grasso R, Clerico M, Cordioli C, Laroni A, Capobianco M, Torri Clerici V, Sartori A, Cavalla P, Maniscalco GT, La Gioia S, Caleri F, Giugno A, Iodice R, Carotenuto A, **Cocco E**, Fenu G, Zaffaroni M, Baroncini D, Lus G, Gallo A, De Mercanti SF, Lapucci C, Di Francescantonio V, Brambilla L, Sormani MP, Signori A. A real-world study of alemtuzumab in a cohort of Italian patients. *Eur J Neurol*. 2022 Jan;29(1):257-266. doi: 10.1111/ene.15121.
3. Sormani MP, Schiavetti I, Carmisciano L, Cordioli C, Filippi M, Radaelli M, Immovilli P, Capobianco M, De Rossi N, Bricchetto G, **Cocco E**, Scandellari C, Cavalla P, Pesci I, Zito A, Confalonieri P, Marfia GA, Perini P, Inglese M, Trojano M, Brescia Morra V, Tedeschi G, Comi G, Battaglia MA, Patti F, Salvetti M; MuSC-19 Study Group. COVID-19 Severity in Multiple Sclerosis: Putting Data Into Context. *Neurol Neuroimmunol Neuroinflamm*. 2021 Nov 9;9(1):e1105.
4. Pitzalis M, Idda ML, Lodde V, Loizedda A, Lobina M, Zoledziwska M, Viridis F, Delogu G, Pirinu F, Marini MG, Mingoia M, Frau J, Lorefice L, Fronza M, Carmagnini D, Carta E, Orrù V, Uzzau S, Solla P, Loi F, Devoto M, Steri M, Fiorillo E, Floris M, Zarbo IR, **Cocco E**, Cucca F. Effect of Different Disease-Modifying Therapies on Humoral Response to BNT162b2 Vaccine in Sardinian Multiple Sclerosis Patients. *Front Immunol*. 2021 Dec 9;12:781843.
5. Pilotto S, Gencarelli J, Bova S, Gerosa L, Baroncini D, Olivotto S, Alfei E, Zaffaroni M, Suppiej A, **Cocco E**, Trojano M, Amato MP, D'Alfonso S, Martinelli-Boneschi F, Waubant E, Ghezzi A, Bergamaschi R, Pugliatti M. Etiological research in pediatric multiple sclerosis: A tool to assess environmental exposures (PEDiatric Italian Genetic and environment Exposure Questionnaire). *Mult Scler J Exp Transl Clin*. 2021 Dec 1;7(4):20552173211059048
6. Muroli A, Murru MR, Ulgheri L, Sechi M, Ercoli T, Marrosu F, Scaglione CL, Bentivoglio AR, Petracca M, Soliveri P, **Cocco E**, Cuccu S, Deriu M, Zuccato C, Defazio G. Geographic differences in the incidence of Huntington's disease in Sardinia, Italy. *Neurol Sci*. 2021 Dec;42(12):5177-5181.
7. Bergamaschi R, Ponzano M, Schiavetti I, Carmisciano L, Cordioli C, Filippi M, Radaelli M, Immovilli P, Capobianco M, De Rossi N, Bricchetto G, **Cocco E**, Scandellari C, Cavalla P, Pesci I, Zito A, Confalonieri P, Marfia GA, Perini P, Inglese M, Trojano M, Brescia Morra V, Pisoni E, Tedeschi G, Comi G, Battaglia MA, Patti F, Salvetti M, Sormani MP; MuSC-19 study group. The effect of air pollution on COVID-19 severity



- in a sample of patients with multiple sclerosis. *Eur J Neurol*. 2021 Nov 4;10.1111/ene.15167. doi: 10.1111/ene.15167.
8. Lorefica L, Fronza M, Fenu G, Frau J, Coghe G, D'Alterio MN, Barracciu MA, Murgia F, Angioni S, **Cocco E**. Effects of Pregnancy and Breastfeeding on Clinical Outcomes and MRI Measurements of Women with Multiple Sclerosis: An Exploratory Real-World Cohort Study. *Neurol Ther*. 2021 Oct 29. doi: 10.1007/s40120-021-00297-6.
  9. Frau J, Coghe G, Lorefica L, Fenu G, **Cocco E** Infections and Multiple Sclerosis: From the World to Sardinia, From Sardinia to the World. *Front Immunol*. 2021 Oct 6;12:728677.
  10. Giordano A, Testa S, Bassi M, Cilia S, Bertolotto A, Quartuccio ME, Pietrolongo E, Falautano M, Grobberio M, Niccolai C, Allegri B, Viterbo RG, Confalonieri P, Giovannetti AM, **Cocco E**, Grasso MG, Lugaresi A, Ferriani E, Nocentini U, Zaffaroni M, De Livera A, Jelinek G, Solari A, Rosato R. Viability of a MSQOL-54 general health-related quality of life score using bifactor model. *Health Qual Life Outcomes*. 2021 Sep 25;19(1):224.
  11. Lorefica L, Casaglia E, Fronza M, Frau J, Fenu G, Pilotto S, Coghe G, Barracciu MA, **Cocco E**. The Dimethyl Fumarate Experience: A Handy Drug With Broad Clinical Utility. *Front Neurol*. 2021 Sep 1;12:679355.
  12. Di Filippo M, Cordioli C, Malucchi S, Annovazzi P, Cavalla P, Torri Clerici V, Ragonese P, Nociti V, Radaelli M, Laroni A, Buttari F, Lorefica L, Ferraro D, Gajofatto A, Prosperini L, Fantozzi R, Boffa L, Lanzillo R, Moccia M, Clerico M, De Luca G, Tomassini V, Calabrese M, Borrelli A, Paolicelli D, Maniscalco GT, Gazzola P, Gallo A, Solaro C, **Cocco E**, Gasperini C, Tortorella C; RIREMS (Rising Researchers in MS) group.mRNA COVID-19 vaccines do not increase the short-term risk of clinical relapses in multiple sclerosis. *J Neurol Neurosurg Psychiatry*. 2021 Aug 18;jnnp-2021-327200
  13. Pau M, Leban B, Deidda M, Porta M, Coghe G, Cattaneo D, **Cocco E**. Use of wrist-worn accelerometers to quantify bilateral upper limb activity and asymmetry under free-living conditions in people with multiple sclerosis. *Mult Scler Relat Disord*. 2021 Aug;53:103081.
  14. Sidore C, Orrù V, **Cocco E**, Steri M, Inshaw JR, Pitzalis M, Mulas A, McGurnaghan S, Frau J, Porcu E, Busonero F, Dei M, Lai S, Sole G, Viridis F, Serra V, Poddie F, Delitala A, Marongiu M, Deidda F, Pala M, Floris M, Masala M, Onengut-Gumuscu S, Robertson CC, Leoni L, Frongia A, Ricciardi MR, Chessa M, Olla N, Lovicu M, Loizedda A, Maschio A, Mereu L, Ferrigno P, Curreli N, Balaci L, Loi F, Ferreli LA, Pilia MG, Pani A, Marrosu MG, Abecasis GR, Rich SS, Colhoun H, Todd JA, Schlessinger D, Fiorillo E, Cucca F, Zoledziewska M *PRF1* mutation alters immune system activation, inflammation, and risk of autoimmunity. *Mult Scler*. 2021 Aug;27(9):1332-1340.
  15. Landi D, Signori A, Cellerino M, Fenu G, Nicoletti CG, Ponzano M, Mancuso E, Fronza M, Ricchiuto ME, Boffa G, Inglese M, Marfia GA, **Cocco E**, Frau J. What happens after fingolimod discontinuation? A multicentre real-life experience. *J Neurol*. 2021 Jun 16.
  16. Portaccio E, Tudisco L, Pastò L, Razzolini L, Fonderico M, Bellinvia A, Ghezzi A, Annovazzi P, Zaffaroni M, Moiola L, Martinelli V, Chisari CG, Patti F, Mancardi G, Pozzilli C, De Giglio L, Totaro R, Lugaresi A, Di Tommaso V, Paolicelli D, **Cocco E**, Marrosu MG, Comi G, Filippi M, Trojano M, Amato MP; MS Study Group of the

- Italian Neurological Society. Pregnancy in multiple sclerosis women with relapses in the year before conception increases the risk of long-term disability worsening. *Mult Scler*. 2021 Jun 16;13524585211023365.
17. Baroncini D, Simone M, Iaffaldano P, Brescia Morra V, Lanzillo R, Filippi M, Romeo M, Patti F, Chisari CG, **Cocco E**, Fenu G, Salemi G, Ragonese P, Inglese M, Cellerino M, Margari L, Comi G, Zaffaroni M, Ghezzi A; Italian MS registry. Risk of Persistent Disability in Patients With Pediatric-Onset Multiple Sclerosis. *JAMA Neurol*. 2021 Jun 1;78(6):726-735.
  18. Iaffaldano P, Lucisano G, Caputo F, Paolicelli D, Patti F, Zaffaroni M, Brescia Morra V, Pozzilli C, De Luca G, Inglese M, Salemi G, Maniscalco GT, **Cocco E**, Sola P, Lus G, Conte A, Amato MP, Granella F, Gasperini C, Bellantonio P, Totaro R, Rovaris M, Salvetti M, Torri Clerici VLA, Bergamaschi R, Maimone D, Scarpini E, Capobianco M, Comi G, Filippi M, Trojano M; Italian MS Register. Long-term disability trajectories in relapsing multiple sclerosis patients treated with early intensive or escalation treatment strategies. *Ther Adv Neurol Disord*. 2021 May 31;14:17562864211019574.
  19. Ferraro D, Annovazzi P, Lanzillo R, Calabrese M, Fantozzi R, De Luca G, Cordioli C, Paolicelli D, Ragonese P, Gajofatto A, Lo Fermo S, Cavalla P, Tortorella C, Pesci I, Gallo A, Pinardi F, Di Filippo M, Maniscalco GT, Nociti V, Radaelli M, Tomassini V, Buscarinu MC, Moccia M, Camera V, **Cocco E**, Gasperini C, Solaro C. A multicenter survey on access to care in Multiple Sclerosis-related trigeminal neuralgia. *J Neurol Sci*. 2021 May 15;424:117430.
  20. De Mercanti SF, Signori A, Cordioli C, Signoriello E, Lus G, Bonavita S, Abbadessa G, Lavorgna L, Maniscalco GT, Curti E, Lorefice L, **Cocco E**, Nociti V, Mirabella M, Baroncini D, Mataluni G, Landi D, Petruzzo M, Lanzillo R, Gandoglia I, Laroni A, Frangiamore R, Sartori A, Cavalla P, Costantini G, Capra R, Sormani MP, Clerico M. J MRI activity and extended interval of Natalizumab dosing regimen: a multicentre Italian study. *Neurol Sci*. 2021 May 15;424:117385.
  21. Fronza M, Lorefice L, Frau J, **Cocco E**. An Overview of the Efficacy and Safety of Ozanimod for the Treatment of Relapsing Multiple Sclerosis. *Drug Des Devel Ther*. 2021 May 11;15:1993-2004.
  22. Fenu G, Lorefice L, Carta E, Arru M, Carta A, Fronza M, Coghe G, Frau J, Contu F, Barracciu MA, **Cocco E**. Brain Volume and Perception of Cognitive Impairment in People with Multiple Sclerosis and Their Caregivers. *Front Neurol*. 2021 May 6;12:636463. doi: 10.3389/fneur.2021.636463.
  23. D'Amico E, Zanghì A, Romeo M, **Cocco E**, Maniscalco GT, Brescia Morra V, Paolicelli D, De Luca G, Galgani S, Amato MP, Salemi G, Inglese M, Confalonieri PA, Lus G, Avolio C, Gallo A, Vianello M, Onofri M, Filippi M, Trojano M, Patti F. Injectable Versus Oral First-Line Disease-Modifying Therapies: Results from the Italian MS Register. *Neurotherapeutics*. 2021 Apr;18(2):905-919.
  24. Lorefice L, Fenu G, Mammoliti R, Carta E, Sechi V, Frau J, Coghe G, Canalis L, Barracciu MA, Marrosu G, Marrosu MG, **Cocco E**. Event-related potentials and deep grey matter atrophy in multiple sclerosis: Exploring the possible associations with cognition. *Mult Scler Relat Disord*. 2021 Apr;49:102785.
  25. Di Gregorio M, Torri Clerici VLA, Fenu G, Gaetani L, Gallo A, Cavalla P, Ragonese P, Annovazzi P, Gajofatto A, Prosperini L, Landi D, Nicoletti CG, Di Carmine C, Totaro R, Nociti V, De Fino C, Ferraro D, Tomassini V, Tortorella C, Righini I, Amato MP,

- Manni A, Paolicelli D, Iaffaldano P, Lanzillo R, Moccia M, Buttari F, Fantozzi R, Cerqua R, Zagaglia S, Farina D, De Luca G, Buscarinu MC, Pinardi F, **Cocco E**, Gasperini C, Solaro CM, Di Filippo M. Defining the course of tumefactive multiple sclerosis: A large retrospective multicentre study. *Eur J Neurol*. 2021 Apr;28(4):1299-1307.
26. Pau M, Porta M, Coghe G, **Cocco E** What gait features influence the amount and intensity of physical activity in people with multiple sclerosis? *Medicine (Baltimore)*. 2021 Mar 5;100(9):e24931.
  27. Iaffaldano P, Lucisano G, Patti F, Brescia Morra V, De Luca G, Lugaresi A, Zaffaroni M, Inglese M, Salemi G, **Cocco E**, Conte A, Ferraro D, Galgani S, Bergamaschi R, Pozzilli C, Salvetti M, Lus G, Rovaris M, Maniscalco GT, Logullo FO, Paolicelli D, Achille M, Marrazzo G, Lovato V, Comi G, Filippi M, Amato MP, Trojano M; Italian MS Register. Transition to secondary progression in relapsing-onset multiple sclerosis: Definitions and risk factors. *Mult Scler*. 2021 Mar;27(3):430-438. Chisari CG, Grimaldi LM, Salemi G, Ragonese P, Iaffaldano P, Bonavita S, Sparaco M, Rovaris M, D'Arma A, Lugaresi A, Ferrò MT, Grossi P, Di Sapio A, **Cocco E**, Granella F, Curti E, Lepore V, Trojano M, Patti F; Italian MS Register Study Group. Clinical effectiveness of different natalizumab interval dosing schedules in a large Italian population of patients with multiple sclerosis. *J Neurol Neurosurg Psychiatry*. 2020 Dec;91(12):1297-1303.
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