

# Clara Grazia Chisari

## PERSONAL INFORMATION

Born in Catania (Italy), on 07.JAN.1985

Address Italy: Via Re Martino 210, Catania (CT) Italy.

Citizenship: Italian

E-mail: clara.chisari@unict.it; [clarachisari@yahoo.it](mailto:clarachisari@yahoo.it); [claragraziachisari@pec.ordinemedet.it](mailto:claragraziachisari@pec.ordinemedet.it)

Mobile: +393426854460

## LANGUAGES

Italian: mother tongue

English: advanced

French: basic knowledge

## EDUCATION

01/JUL/2011-10/JUL/2016 **Residency program in Neurology**, Policlinico Ospedaliero Universitario “Gaspare Rodolico”, Clinica Neurologica, Università degli studi di Catania. Mark: 60/60 cum laude. Dissertation title: **Pattern of ocular motor fatigue in Internuclear Ophthalmoparesis due to Multiple Sclerosis** . Thesis supervisor: Prof. Francesco Patti.

2004-2010 **Università degli studi di Catania-** Degree in Medicine and Surgery (Medical Doctor degree). Mark: 110/110 cum laude. Dissertation title: **Cognitive impairment in Clinically Isolated Syndrome suggestive of Multiple Sclerosis: association with brain imaging and retinal nerve fiber layer thickness**. Thesis supervisor: Prof. Francesco Patti.

1998-2003 **Liceo classico “M.Cutelli”**, Catania: diploma Liceo Classico. Mark: 100/100.

## PROFESSIONAL EXPERIENCE

01/OCT/2021- ongoing: **Researcher position** with fixed-term program at the Department of Medical, Surgical Sciences and Advanced Technologies “GF Ingrassia”, University of Catania; Neurology Clinic, Policlinico “G. Rodolico- San Marco” of Catania (Italy), MED26.

14/OCT/2016- 14/OCT/2020: **Research Grant** with the project titled “*Malattie degenerative ed infiammatorie del sistema nervoso: aspetti clinici e molecolari*” at the Department of Medical, Surgical Sciences and Advanced Technologies “GF Ingrassia”, University of Catania. Mentor: Prof. M. Zappia. Last renewal: 14/OCT/2019.

Febbraio 2016-Luglio 2016: Observership at the Neurology Department-Case Western Reserve University, e “Daroff-Dell’Osso Ocular Motility Laboratory”- Luis Stokes Cleveland VA Medical Center, Cleveland (Ohio) – USA. Supervisors: Prof A. Serra; Prof. J. Leigh.

July 2008-ongoing: clinical and research activity at the Department of Medical, Surgical Sciences and Advanced Technologies “GF Ingrassia”, University of Catania; Neurology Clinic, Policlinico “G. Rodolico- San Marco” of Catania (Italy).

## SCIENTIFIC AWARDS

14/01/2021: Scientific Award “Arturo Reggio”; project: “*Effect of acute L-Dopa administration on eye movements in Parkinson’s disease*”.

## CLINICAL TRIALS

May 2018- ongoing: “A Study to Evaluate Ocrelizumab Treatment in Participants With Progressive Multiple Sclerosis (CONSONANCE)” An Open-Label, Single-Arm 4-Year. Phase III. Role: Sub-investigator

December 2017- ongoing: “Evaluation of Quality of Life (QoL) in Subjects With Highly Active Relapsing Multiple Sclerosis (MS) (CLARIFY MS)”. Phase IV Role: Sub-investigator

March 2017- ongoing: “Study to Evaluate the Effectiveness and Safety of Ocrelizumab in Participants With Early Stage Relapsing Remitting Multiple Sclerosis (RRMS) An Open-Label, Single-Arm Study. Phase III. Role: Sub-investigator

December 2015- ongoing: “A Study of Ocrelizumab in Participants With Relapsing Remitting Multiple Sclerosis (RRMS) Who Have Had a Suboptimal Response to an Adequate Course of Disease-Modifying Treatment (DMT). Phase III. Role: Sub-investigator

May 2014-ongoing Multicenter, open-label, 12 week, phase IV pProspective randomized study aimed at evaluating whether sc IFN B 1a (Rebif<sup>®</sup>) administered In the morning may affect the severity of Flu-like syndrome and patient-perceived invisible symptoms in subject with relapsing multiple sclerosis (RELIEF).  
Role: sub-investigator, evaluating physician

September 2013-ongoing “A Phase 2/3, Multi-center, Randomized, Double-blind, Placebo-controlled (Part A) and Double-blind, Double-dummy, Active-controlled (Part B), Parallel Group Study to Evaluate the Efficacy and Safety of RPC1063 Administered Orally to Relapsing Multiple Sclerosis Patients”  
Role: sub-investigator, treating physician.

September 2014-ongoing “a randomized, double-blind, placebo-controlled, multi-center trial to evaluate the safety and efficacy of eculizumab in patients with relapsing neuromyelitisoptica (NMO)”  
Role: sub-investigator, evaluating physician.

September 2014-ongoing sub-investigator, treating physician “A Multicenter, Randomized, Addition to Baseline Treatment, Double-blind, Placebo-controlled, Phase 3 Study to Evaluate the Efficacy and Safety of SA237 in Patients With Neuromyelitis Optica (NMO) and NMO Spectrum Disorder (NMOSD)”  
Role: sub-investigator, evaluating physician

2012-2015 “Randomized Multi-centered Study for Evaluating the Efficacy and Safety of Angioplasty Surgery of the Extracranial Veins in the Treatment of Multiple Sclerosis (BRAVE-DREAMS)”  
Role: Sub investigator (functional evaluating).

2011-2016 Sub investigator: “a Double-blind, Randomized, Multicenter, Placebo-controlled, Parallel-group Study Comparing the Efficacy and Safety of 0.5 mg FTY720 Administered Orally Once Daily Versus Placebo in Patients With Primary Progressive Multiple Sclerosis”  
Role: Sub investigator

2011-2015 Sub investigator (cognitive evaluating): “a Randomized, Double-blind, Placebo-controlled, Parallel-Group Dose-Ranging Study to Assess the efficacy, safety, tolerability, and Pharmacokinetics of BIIB033 in Subjects with Relapsing Form of Multiple Sclerosis when Used Concurrently with Avonex”  
Role: Sub investigator

2011-2015 sub investigator: “Efficacy and Safety of Daclizumab High Yield Process Versus Interferon  $\beta$  1a in Patients With Relapsing-Relapsing Multiple Sclerosis (DECIDE)”  
Role: Sub investigator

2011-ongoing sub investigator: “a 12-month Study Comparing the Efficacy and Safety of Two Doses of Fingolimod Versus Interferon  $\beta$ -1a in Patients With Relapsing-remitting Multiple Sclerosis With Optional Extension Phase”.

Role: Sub investigator

## **PUBLICATIONS**

1. Patti F\*, **Chisari CG\***, Toscano S, Annovazzi P, Banfi P, Bergamaschi R, Clerici R, Conti MZ, Cortese A, Fantozzi R, Ferraro D, Fischetti M, Frigo M, Gatto M, Immovilli P, Leoni S, Malucchi S, Maniscalco G, Marfía GA, Paolicelli D, Perini P, Serrati C, Totaro R, Turano G, Valentino P, Zaffaroni M, Zuliani C, Centonze D. *Patients with multiple sclerosis choose a collaborative role in making treatment decision: results from the Italian multicenter SWITCH study*. *Mult Scler Relat Disord*. 2022 Dec 19;70:104474. doi: 10.1016/j.msard.2022.104474. Epub ahead of print. PMID: 36584654.
2. Cimino V., C **Clara Grazia Chisari**, Toscano S., Patti F. “Palliative care in multiple sclerosis”.Book Chapter. *Handbook of Clinical Neurology*, 2023, 191, pp. 129–138
3. Schiavetti I, Carmisciano L, Ponzano M, Cordioli C, Cocco E, Marfía GA, Inglese M, Filippi M, Radaelli M, Bergamaschi R, Immovilli P, Capobianco M, De Rossi N, Bricchetto G, Scandellari C, Cavalla P, Pesci I, Confalonieri P, Perini P, Trojano M, Lanzillo R, Tedeschi G, Comi G, Battaglia MA, Patti F, Salvetti M, Sormani MP; MuSC-19 Study Group. *Signs and symptoms of COVID-19 in patients with multiple sclerosis*. *Eur J Neurol*. 2022 Dec;29(12):3728-3736. doi: 10.1111/ene.15554. Epub 2022 Sep 23. PMID: 36086905; PMCID: PMC9538224.
4. Iaffaldano P, Lucisano G, Guerra T, Patti F, Onofri M, Brescia Morra V, Zaffaroni M, Pozzilli C, Cocco E, Sola P, Salemi G, Inglese M, Bergamaschi R, Gasperini C, Conte A, Salvetti M, Lus G, Maniscalco GT, Totaro R, Vianello M, Granella F, Ferraro E, Aguglia U, Gatto M, Sangalli F, **Chisari CG**, De Luca G, Carotenuto A, Baroncini D, Colombo D, Nica M, Paolicelli D, Comi G, Filippi M, Amato MP, Trojano M. *Towards a validated definition of the clinical transition to secondary progressive multiple sclerosis: A study from the Italian MS Register*. *Mult Scler*. 2022 Dec;28(14):2243-2252. doi: 10.1177/13524585221114007. Epub 2022 Aug 15. PMID: 35971322.
5. Landi D, Bovis F, Grimaldi A, Annovazzi PO, Bertolotto A, Bianchi A, Borriello G, Brescia Morra V, Bucello S, Buscarinu MC, Caleri F, Capobianco M, Capra R, Cellerino M, Centonze D, Cerqua R, **Chisari CG**, Clerico M, Cocco E, Cola G, Cordioli C, Curti E, d'Ambrosio A, D'Amico E, De Luca G, Di Filippo M, Di Lemme S, Fantozzi R, Ferraro D, Ferraro E, Gallo A, Gasperini C, Granella F, Inglese M, Lanzillo R, Lorefice L, Lus G, Malucchi S, Margoni M, Mataluni G, Mirabella M, Moiola L, Nicoletti CG, Nociti V, Patti F, Pinardi F, Portaccio E, Pozzilli C, Ragonese P, Rasia S, Salemi G, Signoriello E, Vitetta F, Totaro R, Sormani MP, Amato MP, Marfía GA. *Exposure to natalizumab throughout pregnancy: effectiveness and safety in an Italian cohort of women with multiple sclerosis*. *J Neurol Neurosurg Psychiatry*. 2022 Sep 30:jnnp-2022-329657. doi: 10.1136/jnnp-2022-329657. Epub ahead of print. PMID: 36180219.
6. Patti F\*, **Clara Grazia Chisari \***, Fernández Ó, Sarroca J, Ferrer-Picón E, Hernández Vicente F, Vila Silván C. *A real-world evidence study of nabiximols in multiple sclerosis patients with resistant spasticity: Analysis in relation to the newly described 'spasticity-plus syndrome'*. *Eur J Neurol*. 2022 May 19. doi: 10.1111/ene.15412. Epub ahead of print. PMID: 35590453.
7. D'Amico E, Zanghì A, Parrinello NL, Romano A, Palumbo GA, **Clara Grazia Chisari**, Toscano S, Raimondo FD, Zappia M, Patti F. *Immunological Subsets Characterization in Newly Diagnosed Relapsing-Remitting Multiple Sclerosis*. *Front Immunol*. 2022 Feb 22;13:819136. doi: 10.3389/fimmu.2022.819136. PMID: 35273601; PMCID: PMC8902351.

8. Patti F\*, **Clara Grazia Chisari\***, Toscano S, Arena S, Finocchiaro C, Cimino V, Milone G. *Autologous Hematopoietic Stem Cell Transplantation in Multiple Sclerosis Patients: Monocentric Case Series and Systematic Review of the Literature*. J Clin Med. 2022 Feb 11;11(4):942. doi: 10.3390/jcm11040942. PMID: 35207216; PMCID: PMC8875789.
9. Portaccio E, Tudisco L, Pastò L, Razzolini L, Fonderico M, Bellinvia A, Ghezzi A, Annovazzi P, Zaffaroni M, Moiola L, Martinelli V, **Clara Grazia Chisari**, 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
10. Portaccio E, Bellinvia A, Razzolini L, Pastò L, Goretti B, Niccolai C, Fonderico M, Zaffaroni M, Pippolo L, Moiola L, Falautano M, Celico C, Viterbo R, Patti F, **Clara Chisari**, Gallo P, Riccardi A, Borghi M, Bertolotto A, Simone M, Pozzilli C, Bianchi V, Roscio M, Martinelli V, Comi G, Filippi M, Trojano M, Ghezzi A, Amato MP; MS Study Group of the Italian Neurological Society. *Long-term Cognitive Outcomes and Socioprofessional Attainment in People With Multiple Sclerosis With Childhood Onset*. Neurology. 2022 Apr 19;98(16):e1626-e1636. doi: 10.1212/WNL.0000000000200115. PMID: 35437271.
11. Sormani MP, Schiavetti I, Landi D, Carmisciano L, De Rossi N, Cordioli C, Moiola L, Radaelli M, Immovilli P, Capobianco M, Brescia Morra V, Trojano M, Tedeschi G, Comi G, Battaglia MA, Patti F, Fragoso YD, Sen S, Siva A, Furlan R, Salvetti M; MuSC-19 Study Group. *SARS-CoV-2 serology after COVID-19 in multiple sclerosis: An international cohort study*. Mult Scler. 2022 Jun;28(7):1034-1040. doi: 10.1177/13524585211035318. Epub 2021 Jul 30. PMID: 34328824.
12. **Clara Grazia Chisari**, Toscano S, Arena S, Finocchiaro C, Montineri A, Patti F. *Natalizumab administration in multiple sclerosis patients during active SARS-CoV-2 infection: a case series*. BMC Neurol. 2021 Nov 29;21(1):462. doi: 10.1186/s12883-021-02421-3. PMID: 34839814; PMCID: PMC8627841.
13. Sgarlata E, **Clara Grazia Chisari\***, Toscano S, Finocchiaro C, Lo Fermo S, Millefiorini E, Patti F. *Changes in John Cunningham virus index in Multiple Sclerosis patients treated with different disease-modifying therapies*. Curr Neuropharmacol. 2021 Nov 11. doi: 10.2174/1570159X1966621111123202. Epub ahead of print. PMID: 34766895.
14. 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. doi: 10.1212/NXI.0000000000001105. PMID: 34753829; PMCID: PMC8579249.
15. 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. 2022 Feb;29(2):535-542. doi: 10.1111/ene.15167. Epub 2021 Nov 15. PMID: 34735749; PMCID: PMC8652772.
16. Toscano S, **Clara Grazia Chisari\***, Patti F. *Multiple Sclerosis, COVID-19 and Vaccines: Making the Point*. Neurol Ther. 2021 Dec;10(2):627-649. doi: 10.1007/s40120-021-00288-7. Epub 2021 Oct 8. PMID: 34625925; PMCID: PMC8500471.
17. Mostile G., Terranova R., Rascunà C., Terravecchia C., Cicero C.E., Giuliano L., Davì M., **Clara Chisari**, Luca A., Preux P.-M., Jankovic J., Zappia M. *Clinical-Instrumental patterns of neurodegeneration in Essential*

18. Luca, M., **Clara Grazia Chisari**, Zanghi, A., Patti, F. *Early-onset alcohol dependence and multiple sclerosis: Diagnostic challenges*. International Journal of Environmental Research and Public Health, 2021, 18(11), 5588.
19. Baroncini, D., Simone, M., Iaffaldano, P., Brescia Morra V., Lanzillo R., Filippi M., Romeo M., Patti F., **Clara Grazia Chisari**, Cocco E., Fenu G., Salemi G. Zaffaroni, M., Ghezzi, A. *Risk of Persistent Disability in Patients with Pediatric-Onset Multiple Sclerosis*. JAMA Neurology, 2021, 78(6), pp. 726–735
20. Lepore V, Bosetti C, Santucci C, Iaffaldano P, Trojano M, Mosconi P; Italian Multiple Sclerosis Register Centers Group, the Scientific Committee of Italian SM Register. *Detection of disability worsening in relapsing-remitting multiple sclerosis patients: a real-world roving Expanded Disability Status Scale reference analysis from the Italian Multiple Sclerosis Register*. Eur J Neurol. 2021 Feb;28(2):567-578. doi: 10.1111/ene.14589. Epub 2020 Nov 6. PMID: 33058344.
21. **Clara Grazia Chisari**, Sgarlata E, Arena S, Toscano S, Luca M, Patti F. *Rituximab for the treatment of multiple sclerosis: a review*. J Neurol. 2021 Jan 8:1-25. doi: 10.1007/s00415-020-10362-z. Online ahead of print. PMID: 33416999 Review.
22. De Meo E, Portaccio E, Giorgio A, Ruano L, Goretti B, Nicolai C, Patti F, **Clara Grazia Chisari**, Gallo P, Grossi P, Ghezzi A, Roscio M, Mattioli F, Stampatori C, Simone M, Viterbo RG, Bonacchi R, Rocca MA, De Stefano N, Filippi M, Amato MP. *Identifying the Distinct Cognitive Phenotypes in Multiple Sclerosis*. JAMA Neurol. 2021 Jan 4:e204920. doi: 10.1001/jamaneurol.2020.4920. Online ahead of print. PMID: 33393981
23. Nicoletti A, Cicero CE, Giuliano L, Todaro V, Lo Fermo S, **Clara Grazia Chisari**, D'Amico E, Paradisi V, Mantella A, Bartoloni A, Sofia V, Patti F, Zappia M. *Toxoplasma gondii and multiple sclerosis: a population-based case-control study*. M.Sci Rep. 2020 Nov 2;10(1):18855. doi: 10.1038/s41598-020-75830-y. PMID: 33139781
24. Cristina Rascunà, Andrea Russo, Claudio Terravecchia, Niccolò Castellino, Teresio Avitabile, Vincenza Bonfiglio, Matteo Fallico, **Clara Grazia Chisari**, Calogero Edoardo Cicero, Marco Grillo, Antonio Longo, Antonina Luca, Giovanni Mostile, Mario Zappia, Michele Reibaldi and Alessandra Nicoletti. *Retinal Thickness and Microvascular Pattern in Early Parkinson's Disease*. Front. Neurol. 2020 11:533375. Doi 10.3389/fneur.2020.533375
25. Patti F, **Clara Grazia Chisari**, Arena S, Toscano S, Finocchiaro C, Fermo SL, Judica ML, Maimone D. *Factors driving delayed time to multiple sclerosis diagnosis: Results from a population-based study*. Mult Scler Relat Disord. 2022 Jan;57:103361. doi: 10.1016/j.msard.2021.103361. Epub 2021 Nov 1. PMID: 35158432.
26. Toscano S, Patti F, **Clara Grazia Chisari**, Arena S, Finocchiaro C, Schillaci CE, Zappia M. *Reliability of televisits for patients with mild relapsing-remitting multiple sclerosis in the COVID-19 era*. Neurol Sci. 2022 Apr;43(4):2253-2261. doi: 10.1007/s10072-022-05868-5. Epub 2022 Jan 11. Erratum in: Neurol Sci. 2022 Jan 25;: PMID: 35018548; PMCID: PMC8751468.
27. **Clara Grazia Chisari**, Luigi Maria Grimaldi, Giuseppe Salemi, Paolo Ragonese, Pietro Iaffaldano, Simona Bonavita, Maddalena Sparaco, Marco Rovaris, Alessia D'Arma, Alessandra Lugaresi, Maria Teresa Ferrò, Paola Grossi, Alessia Di Sapio, Eleonora Cocco, Franco Granella, Erica Curti, Vito Lepore, Maria Trojano, Francesco Patti on behalf of the 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;0:1–7. doi:10.1136/jnnp-2020-323472.

28. Maria Luca, **Clara Grazia Chisari**, Emanuele D'Amico and Francesco Patti. *Hopelessness in Multiple Sclerosis: Psychological and Organic Correlates*. Journal of Psychiatry and Psychiatric Disorders doi: 10.26502/jppd.2572-519X0078 Review Article Volume 3, Issue 6
29. Emanuele D'Amico, Aurora Zanghi, Giovanni Burgio, **Clara Grazia Chisari**, Rosita Angela Condorelli, Sandro La Vignera, Aldo Eugenio Calogero and Francesco Patti. *Gonadal Steroids and Sperm Quality in a Cohort of Relapsing Remitting Multiple Sclerosis: A Case-Control Study*. Front. Neurol. 2019 11:756. doi: 10.3389/fneur.2020.00756
30. **Clara Grazia Chisari**, Claudio Solaro, Pasquale Annunziata, Roberto Bergamaschi, Assunta Bianco, Simona Bonavita, Vincenzo Brescia Morra, Roberto Bruno Bossio, Elisabetta Capello, Letizia Castelli, Paola Cavalla, Gianfranco Costantino, Diego Centonze, Salvatore Cottone, Maura Chiara Danni, Federica Esposito, Alberto Gajofatto, Claudio Gasperini, Angelica Guareschi, Roberta Lanzillo, Giacomo Lus, Giorgia Teresa Maniscalco, Manuela Matta, Damiano Paolicelli, Loredana Petrucci, Simona Pontecorvo, Isabella Righini, Marco Rovaris, Edoardo Sessa, Gabriella Spinicci, Daniele Spitaleri, Paola Valentino, Mauro Zaffaroni, Mario Zappia, Francesco Patti. *Nabiximols discontinuation rate in a large population of patients with multiple sclerosis: a 18-month multicentre study*. J Neurol Neurosurg Psychiatry. 2020 Sep;91(9):914-920. doi: 10.1136/jnnp-2019-322480. Epub 2020 Jul 13. PMID: 32661083
31. Francesco Patti, Maria Fiore, **Clara Grazia Chisari**, Emanuele D'Amico, Salvatore Lo Fermo, Simona Toscano, Chiara Copat, Margherita Ferrante, Mario Zappia. *CSF neurotoxic metals/metalloids levels in amyotrophic lateral sclerosis patients: comparison between bulbar and spinal onset*. Environ Res. 2020 Jun 24;188:109820. doi: 10.1016/j.envres.2020.109820.
32. Emanuele D'Amico, Aurora Zanghi, Mariangela Sciandra, Roberta Lanzillo, Graziella Callari, Antonio Cortese, Giacomo Lus, Matteo Lucchini, Maria Buccafusca, Simona Bonavita, Antonio Gallo, Erica Curti, Alberto Gajofatto, Elisabetta Signoriello, Alvino Bisecco, Francesca Gobbin, Maria Teresa Ferrò, Gina Ferrazzano, Maddalena Sparaco, Paola Valentino, Massimiliano Mirabella, Franco Granella, Vincenzo Bresciamorra, Luigi Maria Edoardo Grimaldi, Francesco Patti on behalf of ITALIANDIME-TERI group. *Dimethyl fumarate vs Teriflunomide: an Italian time-to-event data analysis*. J Neurol. 2020 Jun 6. doi: 10.1007/s00415-020-09959-1. Online ahead of print.
33. Laura Maria Chisari, Grasso Antonino, Giuseppe Chisari, Antonio Maria Borzì, **Clara Grazia Chisari**. *Clinical bacteriological aspects of the Human Amniotic Membrane in the diabetic foot. A case report*. Ann Med Surg (Lond). 2020 May 16;55:174-176. doi: 10.1016/j.amsu.2020.04.020. eCollection 2020 Jul.
34. Simona Toscano, Salvatore Lo Fermo, Ester Reggio, **Clara Grazia Chisari**, Francesco Patti, Mario Zappia. *An update on idiopathic intracranial hypertension in adults: a look at pathophysiology, diagnostic approach and management*. J Neurol. 2020 May 27. doi: 10.1007/s00415-020-09943-9. Online ahead of print.
35. Mario D. Toro, Dominika Nowakowska, Agnieszka Brzozowska, Michele Reibaldi, Teresio Avitabile, Claudio Bucolo, Paolo Murabito, **Clara Grazia Chisari**, Katarzyna Nowomiejska and Robert Rejdak. *Pain Following the Use of Anesthesia Formulation Among Individuals Undergoing Cataract Surgery: A Randomized Controlled Trial*. Front Pharmacol. 2020 Apr 16;11:440. doi: 10.3389/fphar.2020.00440. eCollection 2020.
36. Vincenzo Cimino\*, **Clara Grazia Chisari\***, Gianfranco Raciti, Anna Russo, Donata Veca, Francesco Zagari, Rocco Salvatore Calabrò, Francesco Patti. *Objective evaluation of Nintendo Wii Fit Plus balance program training on postural stability in Multiple Sclerosis patients: a pilot study*. Int J Rehabil Res. 2020 Sep;43(3):199-205. doi: 10.1097/MRR.0000000000000408.
37. **Chisari CG**, Toscano S, D'Amico E, Lo Fermo S, Zanghi A, Arena S, Zappia M, Patti F. *An update on the safety of treating relapsing-remitting multiple sclerosis*. Expert Opin Drug Saf. 2019 Aug 30;1-24. doi: 10.1080/14740338.2019.1658741

38. D'Amico E, Zanghì A, **Chisari CG**, Zappia M, Patti F. Are oligoclonal bands associated to lower retinal layer thickness at the time of relapsing remitting multiple sclerosis diagnosis? Evidence from an exploratory study. *Autoimmun Rev.* 2019 Aug 9;102365. doi: 10.1016/j.autrev.2019.102365
39. Jacobs JB, **Chisari C**, Skelly MM, Walker MF, Serra A. A model-based study of internuclear ophthalmoparesis and ocular-motor fatigue in multiple sclerosis. *Prog Brain Res.* 2019;249:329-344. doi: 10.1016/bs.pbr.2019.04.021. Epub 2019 Jun 6.
40. Patti F, Caserta C, Colandonio S, Iudica ML, Maimone D, Lo Fermo S, D'Amico E, **Chisari C**, Mayer F, Vanacore N. Prevalence and Incidence of Multiple Sclerosis in the City of Biancavilla. *Neuroepidemiology.* 2019;53(1-2):108-114. doi: 10.1159/000500600. Epub 2019 Jun 6.
41. E. D'Amico\*, **CG Chisari\***, Sebastiano Arena, Aurora Zanghì, Simona Toscano, Salvatore Lo Fermo, Davide Maimone, Marine Castaing, Salvatore Sciacca, Mario Zappia and Francesco Patti. Cancer Risk and Multiple Sclerosis: Evidence From a Large Italian Cohort *Front. Neurol.*, 10 April 2019 <https://doi.org/10.3389/fneur.2019.00337>
42. Branco M, Ruano L, Portaccio E, Goretti B, Niccolai C, Patti F, **Chisari C**, Gallo P, Grossi P, Ghezzi A, Roscio M, Mattioli F, Bellomi F, Simone M, Viterbo RG, Amato MP. Aging with multiple sclerosis: prevalence and profile of cognitive impairment. *Neurol Sci.* 2019 Aug;40(8):1651-1657. doi: 10.1007/s10072-019-03875-7. Epub 2019 Apr 23.
43. D'Amico E, **Chisari CG\***, Gitto L, Zanghì A, Toscano S, Patti F. Pharmacoeconomics of synthetic therapies for multiple sclerosis. *Expert Opin Pharmacother.* 2019 May 15:1-10. doi: 10.1080/14656566.2019.1615880. [Epub ahead of print]
44. Cicero CE, Patti F, Lo Fermo S, Giuliano L, Rascunà C, **Chisari CG**, D'Amico E, Paradisi V, Marin B, Preux PM, Mantella A, Bartoloni A, Zappia M, Nicoletti A. Lack of association between *Toxocara canis* and multiple sclerosis: A population-based case-control study. *Mult Scler.* 2019 Feb 11:1352458518825394. doi: 10.1177/1352458518825394.
45. D'Amico E, Zanghì A, **Chisari CG**, Lo Fermo S, Toscano S, Arena S, Patti F, Zappia M. Effectiveness and safety of Rituximab in demyelinating diseases spectrum: An Italian experience. *Multiple Sclerosis and Related Disorders* Volume 27, January 2019, Pages 324-326.
46. Cimino V\*, **Chisari CG\***, Raciti G, Pappalardo A, Zappia M, Patti F. Static postural control disturbances among the different multiple sclerosis phenotypes: A Neurocom Balance Manager® evaluation study. *Mult Scler Relat Disord.* 2018 Nov;26:46-51. doi: 10.1016/j.msard.2018.08.024. Epub 2018 Sep 8.
47. Rosato R, Testa S, Bertolotto A, Scavelli F, Giovannetti AM, Confalonieri P, Patti F, **Chisari CG**, Lugaresi A, Pietrolongo E, Grasso MG, Rossi I, Toscano A, Loera B, Giordano A, Solari A. eMSQOL-29: Prospective validation of the abbreviated, electronic version of MSQOL-54. *Mult Scler.* 2019 May;25(6):856-866. doi: 10.1177/1352458518774935. Epub 2018 May 15.
48. D'Amico E, Patti F, Zanghì A, **Chisari CG**, Lo Fermo S, Zappia M. Late-onset and young-onset relapsing-remitting multiple sclerosis: evidence from a retrospective long-term follow-up study. *Eur J Neurol.* 2018 Dec;25(12):1425-1431. doi: 10.1111/ene.13745. Epub 2018 Aug 3.
49. Prosperini L, Annovazzi P, Boffa L, Buscarinu MC, Gallo A, Matta M, Muiola L, Musu L, Perini P, Avolio C, Barcella V, Bianco A, Farina D, Ferraro E, Pontecorvo S, Granella F, Grimaldi LME, Laroni A, Lus G, Patti F, Pucci E, Pasca M, Sarchielli P; Italian Alemtuzumab Study Group. No evidence of disease activity (NEDA-3)

- and disability improvement after alemtuzumab treatment for multiple sclerosis: a 36-month real-world study. *J Neurol*. 2018 Dec;265(12):2851-2860. doi: 10.1007/s00415-018-9070-x. Epub 2018 Sep 26.
50. D'Amico E, Patti F, Zanghi A, Lo Fermo S, **Chisari CG**, Zappia M. Lateral switch to IFN beta-1a 44 mcg may be effective as escalation switch to fingolimod in selected persons with relapsing remitting multiple sclerosis: a real-world setting experience. *Expert Rev Clin Pharmacol*. 2018 Mar 13:1-6. doi: 10.1080/17512433.2018.1449643. [Epub ahead of print]
  51. Serra A, **Chisari CG**, Matta M. Eye Movement Abnormalities in Multiple Sclerosis: Pathogenesis, Modeling, and Treatment. *Front Neurol*. 2018 Feb 5;9:31. doi: 10.3389/fneur.2018.00031. eCollection 2018. Review.
  52. Patti F\*, **Chisari CG\***, D'Amico E, Zappia M. Pharmacokinetic drug evaluation of daclizumab for the treatment of relapsing-remitting multiple sclerosis. *Expert Opin Drug Metab Toxicol*. 2018 Mar;14(3):341-352. doi: 10.1080/17425255.2018.1432594. Epub 2018 Jan 30. Review.
  53. **Chisari, C.G.**, Serra, A. Abnormal Eye Movements due to Disease of the Extraocular Muscles and Their Innervation. In Reference Module in Neuroscience and Biobehavioral Psychology, Elsevier, 2017. ISBN 9780128093245
  54. Comi G1, Patti F2, Rocca MA3,4, Mattioli FC5, Amato MP6, Gallo P7, Centonze D, Pozzilli C10, Saccà F11, Bergh FT12, Bartezaghi M13, Turrini R13, Filippi M3,4; Golden Study Group. Collaborators (31) Patti F, **Chisari CG**, Marfia GA, Centonze D, Morra VB, Capra R, Pozzilli C, Bianchi V, Ghezzi A, Roscio M, Comi G, Sangalli F, Pietrolongo E, Francia A, Danni MC, Nocentini U, Bramanti P, Tedeschi G, Maimone D, Grimaldi LME, Scarpini EA, Uccelli A, Amato MP, Rottoli M, Ruggieri S, Trojano M, Bergamaschi R, Bergh FT, Buttmann M, Rieckmann P, Safavi A. Efficacy of fingolimod and interferon beta-1b on cognitive, MRI, and clinical outcomes in relapsing-remitting multiple sclerosis: an 18-month, open-label, rater-blinded, randomised, multicentre study (the GOLDEN study). *J Neurol*. 2017 Oct 23. doi: 10.1007/s00415-017-8642-5. [Epub ahead of print]
  55. Pappalardo A\*, **Chisari CG\***, Montanari E, Pesci I, Borriello G, Pozzilli C, D'Amico E, Patti F. The clinical value of Coop/Wonca charts in assessment of HRQoL in a large cohort of relapsing-remitting multiple sclerosis patients: Results of a multicenter study. *Mult Scler Relat Disord*. 2017 Oct;17:154-171. doi: 10.1016/j.msard.2017.07.022. Epub 2017 Jul 28.
  56. Ghezzi A, Bianchi A, Baroncini D, Bertolotto A, Malucchi S, Bresciamorra V, Lanzillo R, Milani N, Martinelli V, Patti F, Chisari C, Rottoli M, Simone M, Paolicelli D, Visconti A; FUTURE Study Group. A multicenter, observational, prospective study of self- and parent-reported quality of life in adolescent multiple sclerosis patients self-administering interferon-β1a using RebiSmart™-the FUTURE study. *Neurol Sci*. 2017 Nov;38(11):1999-2005. doi: 10.1007/s10072-017-3091-6. Epub 2017 Aug 22.
  57. Chisari G, Chisari EM, Borzi AM, Ozyalcin E, **Chisari CG**. Aging eye microbiota in Dry Eye Syndrome in patients treated with *Enterococcus faecium* and *Saccharomyces boulardii*. *Curr Clin Pharmacol*. 2017 Jul 4. doi: 10.2174/1574884712666170704145046. [Epub ahead of print]
  58. Ruano L, Branco M, Portaccio E, Goretti B, Niccolai C, Patti F, **Chisari C**, Gallo P, Grossi P, Ghezzi A, Roscio M, Mattioli F, Stampatori C, Simone M, Viterbo RG, Amato MP. Patients with paediatric-onset multiple sclerosis are at higher risk of cognitive impairment in adulthood: An Italian collaborative study. *Mult Scler*. 2017 Jun 1:1352458517717341. doi: 10.1177/1352458517717341.
  59. Chisari G, Chisari EM, Francaviglia A, **Chisari CG**. The mixture of bifidobacterium associated with fructo-oligosaccharides reduces the damage of the ocular surface. *Clin Ter*. 2017 May-Jun;168(3):e181-e185. doi: 10.7417/T.2017.2002.



60. Pappalardo A, D'Amico E, Leone C, Messina S, **Chisari CG**, Rampello L, Torre L, Patti F. Inpatient versus outpatient rehabilitation for multiple sclerosis: effects on disability and quality of life. *Multiple Sclerosis and Demyelinating Disorders*. 2016 1:3 DOI 10.1186/s40893-016-0005-z.
61. Reggio E, **Chisari CG**, Ferrigno G, Patti F, Donzuso G, Sciacca G, Avitabile T, Faro S, Zappia M. Migraine causes retinal and choroidal structural changes: evaluation with ocular coherence tomography. *J Neurol*. 2017 Mar;264(3):494-502. doi: 10.1007/s00415-016-8364-0. Epub 2016 Dec 27.
62. Patti F, De Stefano M, Lavorgna L, Messina S, **Chisari CG**, Ippolito D, Lanzillo R, Vacchiano V, Realmuto S, Valentino P, Coniglio G, Buccafusca M, Paolicelli D, D'Ambrosio A, Montella P, Brescia Morra V, Savettieri G, Alfano B, Gallo A, Simone I, Viterbo R, Zappia M, Bonavita S, Tedeschi G. Lesion load may predict long-term cognitive dysfunction in multiple sclerosis patients *PLoS One*. 2015 Mar 27;10(3):e0120754. doi: 10.1371/journal.pone.0120754. eCollection 2015.
63. Patti F, Nicoletti A, Messina S, Bruno E, Fermo SL, Quattrocchi G, **Chisari CG**, Maimone D, Cilia S, Zappia M. Prevalence and incidence of cognitive impairment in multiple sclerosis: a population-based survey in Catania, Sicily. *J Neurol*. 2015;262(4):923-30. doi: 10.1007/s00415-015-7661-3. Epub 2015 Feb 7.
64. Nicoletti A, Bruno E, Nania M, Cicero E, Messina S, Chisari C, Torrisi J, Maimone D, Marziolo R, Lo Fermo S, Patti F, Giammanco S, Zappia M. Multiple Sclerosis in the Mount Etna region: possible role of volcanogenic trace elements. *PLoS One*. 2013 Dec 11;8(12):e74259. doi: 10.1371/journal.pone.0074259. eCollection 2013.

\* *equally contributed to the manuscript*

**ABSTRACTS OF PARTICIPATIONS TO NATIONAL AND INTERNATIONAL CONGRESS PRESENTED AS POSTERS OR ORA COMMUNICATIONS:**

1. Clara G. Chisari, Salvatore Lo Fermo, Emanuele D'Amico, Simona Toscano, Sebastiano Arena, Francesco Patti, Mario Zappia. "Patterns of oculomotor dysfunctions in patients with Amyotrophic Lateral Sclerosis". *Oral Communication*. Congresso della Società Italiana di Neurologia. Milano, Novembre 2020.
2. Clara G. Chisari, Giovanni Mostile, Martina Mirabella, Antonella Luca, Donatella Contraffatto, Giorgia Sciacca, Giulia Donzuso, Roberta Bonomo, Cristina Rascunà, Giacomo Portaro, Francesco Patti, Alessandra Nicoletti and Mario Zappia. "Effect of acute L-Dopa administration on eye movement parameters in Parkinson's disease". *Oral Communication*. Congresso della Società Italiana di Neurologia. Bologna, Ottobre 2019.
3. Reggio E, Chisari CG, Ferrigno G, Patti F, Zappia M. "Evaluation of retinal and choroidal thickness with optical coherence tomography in migraine patients". *Oral Communication*. Congresso della Società Italiana di Neurologia. Genova, 2015.
4. Clara G. Chisari, Giovanni Mostile, Martina Mirabella, Antonella Luca, Donatella Contraffatto, Giulia Donzuso, Giorgia Sciacca, Roberta Bonomo, Cristina Rascunà, Giacomo Portaro, Francesco Patti, Alessandra Nicoletti and Mario Zappia. "Eye movement analysis in a large population of Parkinson's disease and atypical parkinsonisms patients". *Presented as Poster*. Congresso della Società Italiana di Neurologia, Bologna, 2019.
5. Clara G. Chisari, Emanuele D'Amico, Simona Toscano, Aurora Zanghì, Sebastiano Arena, Salvatore Lo Fermo, Francesco Patti and Mario Zappia. "Saccadic Eye Movements and fatigue in newly diagnosed Multiple Sclerosis patients". *Presented as Poster* Congresso della Società Italiana di Neurologia, Bologna, 2019.

6. Clara G. Chisari, Christian Messina, Emanuele D'Amico, Salvatore Lo Fermo, Simona Toscano, Aurora Zanghi, Sebastiano Arena, Cinzia Caserta, Claudia Grasso, Francesco Patti and Mario Zappia Clinical and neuroradiological outcomeS of patiENts wth very-very late-Onset multiple sclerosis (VVLOMS) – SENIOR Study. *Presented as Poster* Congresso della Società Italiana di Neurologia, Bologna, 2019.
7. Clara G. Chisari, Emanuele D'Amico, Simona Toscano, Aurora Zanghi, Salvatore Lo Fermo, Francesco Patti and Mario Zappia. Evaluation of choroid thickness in Multiple Sclerosis patients: a large population OCT study. *Presented as Poster* Congresso della Società Italiana di Neurologia, Roma, 2018.
8. Clara Chisari MD, Ester Reggio MD, Giorgia Sciacca MD, Sebastiano Arena MD, Francesco Patti MD, and Mario Zappia, MD. Neostigmine test and eye-movements in ocular myasthenia gravis. *Presented as Poster* Congresso della Società Italiana di Neurologia, Roma, 2018.
9. Clara G. Chisari, Emanuele D'Amico, Santo Borzi, Simona Toscano, Aurora Zanghi, Salvatore Lo Fermo, Mario Zappia and Francesco Patti. Comparative effectiveness of different Natalizumab dosing schedules in real world life: a retrospective study. *Presented as Poster* Congresso della Società Italiana di Neurologia, Roma, 2018.
10. Cinzia Caserta, D. Fiorito, MG Matarrazzo, G. Sarpietro, A. Ciancio, C. Chisari, S. Arena, E. D'Amico, M. Zappia, F. Patti. Effect of symptomatic therapy for neurogenic bladder in women with multiple sclerosis. *Presented as Poster* Congresso della Società Italiana di Neurologia, Roma, 2018.
11. E. Reggio, CG Chisari, F. Patti, C. Tabita, M. Zappia. Retinal fiber layer and choroid thickness are reduced in cluster headache: results from a Optical Coherence Tomography study. *ePresentation* EAN Congress, June 2018.
12. Solari, S. Testa, A. Bertolotto, F. Scavelli, P. Confalonieri, A. Giovannetti, F. Patti, C. Chisari, A. Lugaresi, E. Pietrolongo, M. Grasso, I. Rossi, A. Toscano, B. Loera, A. Giordano, R. Rosato. Equivalence of the electronic versus paper-based short version of the MSQOL-54 (MSQOL-29). *Presented as Poster*. Congresso della Società Italiana di Neurologia, Napoli 2017.
13. G. Sciacca, E. Reggio, F. Giardina, C. Chisari, F. Patti, G. Sortino, M. Zappia. Subacute combined degeneration due to vitamin b12 deficiency in the absence of macrocytic anemia. *Presented as Poster*. Congresso della Società Italiana di Neurologia, Napoli 2017.
14. L. Pastò, B. Hakiki, B. Goretti, C. Niccolai, M. Giannini, I. Righini, L. Razzolini, A. Ghezzi, L. Pippolo, M. Simone, R. G. Viterbo, M.G. Marrosu, E. Cocco, G. Fenu, F. Patti, C. Chisari, M. Falautano, E. Minacapelli, E. Portaccio, M. P. Amato. Cognitive reserve is associated with better cognitive outcome and socio-professional attainment in both adult and pediatric-onset multiple sclerosis. *Presented as Poster*. Congresso della Società Italiana di Neurologia, Napoli 2017.
15. CG Chisari, S. D'Alessandro, S. Arena, A. Caramma, F. Giardina, C. Caserta, S. Lo Fermo, M. Zappia F. Patti. Comorbidity evaluation in Multiple Sclerosis patients: effect on clinical outcomes. *Presented as Poster*. Congresso della Società Italiana di Neurologia, Napoli 2017.
16. CG. Chisari, Floriana Giardina, Andrea Caramma, Salvatore Lo Fermo, Monia Papa, Francesco Patti, Mario Zappia. Modeling of upper limbs motor function in Multiple Sclerosis patients using movement time analyzer (MTA): a pilot study. *Presented as Poster*. Congresso della Società Italiana di Neurologia, Napoli 2017.
17. Alessandro Serra, Clara G. Chisari, Jonathan B. Jacobs, Manuela Matta, Margaret M. Skelly, Mark F. Walker, and Jeff A. Cohen. Patterns of ocular motor fatigue in internuclear ophthalmoparesis due to multiple sclerosis. *Presented as Poster*. ACTRIMS 2017.

18. F. Patti, CG Chisari, S. Arena, S. D'Alessandro, S. Lo Fermo, M. Castaing, S. Sciacca, M. Zappia. Cancer risk assessment in Multiple Sclerosis patients in the Eastern Sicily. *Presented as Poster*.ECTRIMS, Parigi 2017.
19. R. Rosato, S. Testa, A. Bertolotto, F. Scavelli, P. Confalonieri, A. Giovannetti, F. Patti, C. Chisari, A. Lugaresi, E. Pietrolongo, M. Grasso, I. Rossi, A. Toscano, B. Loera, A. Giordano, A. Solari. Prospective validation of a short version of msqol-54 (msqol-29): preliminary findings. *Presented as Poster* Società Italiana di Neurologia. Venezia, 2016.
20. Patti F, Cimino V, Messina S, Raciti G, Chisari CG, Leone C and Zappia M.” Objective evaluation of Nintendo Wii Fit Plus®balance program training on postural stability in Multiple Sclerosis patients: a pilot study”. *Presented as Poster*. American Academy of Neurology (AAN), Washington 2015.
21. Chisari CG, Rapisarda L, Messina S, Leone C, Caramma A, Cimino V, Lo Fermo S, Patti F, Zappia M. “Retinal nerve fiber layer may predict partial recovery in optic neuritis”. *Presented as Poster* Società Italiana di Neurologia. Genova, 2015.
22. V. Cimino, G. Raciti, C. Chisari, S. Messina, C. Leone, V. Dibilio, D. Veca, A. Russo, F. Zagari, F. Patti, M. Zappia. Evaluation of balance function in multiple sclerosis. *Presented as Poster* Società Italiana di Neurologia. Genova, 2015.
23. C. Leone, A. Zanghi, E. D'amico, S. Messina, C. Chisari, A. Caramma, S. Lo Fermo, F. Patti, M. Zappia. Switching therapy: how and why in a real word setting cohort of persons with multiple sclerosis in Catania. *Presented as Poster*. Società Italiana di Neurologia. Genova, 2015.
24. C. Leone, A. Zanghi, E. D'amico, S. Messina, C. Chisari, A. Caramma, S. Lo Fermo, F. Patti, M. Zappia. Switching disease-modifying therapy in multiple sclerosis: escalation therapy has not advantage on switching among same line drugs. *Presented as Poster*. Società Italiana di Neurologia. Genova, 2015.
25. E. Binello, A. Mattioda, C. Chiavazza, C. Chisari, C. Leone, M. Vercellino, C. Solaro, L. Pinessi, P. Cavalla, F. Patti. Fingolimod and headache: data from a multicenter ms population. *Presented as Poster*. Società Italiana di Neurologia. Genova, 2015.
26. Chisari CG, Messina S, Cappellani R, Cimino V, Faro S, Caramma A, Patti F and Zappia M. “Retinal nerve fiber layer and ganglion cell in Multiple Sclerosis patients with Uhthoff’s phenomenon”. *Presented as Poster* . Società Italiana di Neurologia. Cagliari, 2014.
27. S. Messina, L. Raciti, C. Chisari, R. Cappellani, A. Caramma, C. Leone, V. Cimino, S. Lo Fermo, A. Nicoletti, F. Patti, M. Zappia “ Assessment of autonomic function in NMO patients”. *Presented as a poster* by Italian Neurological Society (SIN). Cagliari, October 2014.
28. V. Cimino, C. Leone, V. Dibilio, S. Messina, C. Chisari, A. Russo, D. Veca, F. Zagari, G. Raciti, F. Patti, M. Zappia “Physiokinesiotherapy in multiple sclerosis: what was gained it’s also maintained?”. *Presented as Poster* Società Italiana di Neurologia. Cagliari, 2014.
29. Chisari CG, Leone C, Cilia S, Messina S, Cimino V, Masuzzo F, Lo Fermo S, Patti F and Zappia M. “The efficacy of Natalizumab and Fingolimod on cognition in Relapsing-Remitting Multiple Sclerosis patients”. *Presented as Poster* . BRAINS 2014 Barcelona, 14-15 February 2014.
30. C. Leone, V. Cimino, V. Dibilio, S. Messina, E. D'Amico, C.G. Chisari, A. Russo, D. Veca, F. Zagari, F. Patti, M. Zappia “Wii may improve physical abilities in multiple sclerosis: a randomized single blind study”. *Presented as Poster* . Società Italiana di Neurologia. Milano, 2013.

31. Patti F, Messina S, D'Amico E, Caramma A, Cappellani R, Leone C, Chisari CG, and Zappia M. "Delayed Steroid Treatment Can Be Beneficial in Multiple Sclerosis Patients with Severe Sequelae". *Presented as Poster* . Neurology 2013;80 (suppl 1): P01.201.
32. Patti F, Messina S, Lo Fermo S, D'Amico E, Leone C, Chisari CG, Cappellani R, Masuzzo M and Zappia M. "Cyclophosphamide Does Not Affect Fertility in Young Multiple Sclerosis Patients". *Presented as Poster* . Neurology 2013;80 (suppl 1): P02.133.
33. Cimino V, Giliberto C., Chisari CG, Leone C, Messina S, Masuzzo F, Patti F and Zappia M. "Clinical and neurophysiological effects of fampridina in Multiple Sclerosis patients". *Presented as Poster* . Società Italiana di Neurologia. Milano, 2013.
34. S. Lo Fermo, J. Torrisi, V. Cimino, S. Messina, E. D'Amico, C. Leone, C. Chisari, R. Cappellani, F. Patti, M. Zappia "Gender related thyroid dysfunction and autoimmunità in multiple sclerosis patients treated with interferon-beta". *Presented as Poster* . Società Italiana di Neurologia. Rimini, 2012.
35. J. Torrisi, S. Lo Fermo, V. Cimino, S. Messina, E. D'Amico, C. Leone, R. Cappellani, C. Chisari, F. Patti, M. Zappia "Gender related side effects of interferon-beta treatment in multiple sclerosis patients". *Presented as Poster* . Società Italiana di Neurologia. Rimini, 2012.
36. Chisari CG, Leone C, Messina S, Cilia S, Cimino V, D'Amico E, Torrisi J, Cappellani R, Lo Fermo S, Nicoletti A, Patti F, Zappia M. "Employment status in MS patients: a population based study". *Presented as Poster* . Società Italiana di Neurologia. Rimini, 2012.
37. Russo A, Patti F, Cimino V, Chisari CG, Cannemi V, Biondi P, Faro S, Greco G, Gulisano S, Reibaldi M. "Measurement Of Retinal Nerve Fibre Layer Thickness In Clinical Isolated Syndrome". *Presented as Poster* . ARVO Annual Meeting Abstract ; April 2011 Volume 52, Issue 14.
38. F Patti, V Cimino, E D'Amico, S Messina, C Chisari, S Lo Fermo, C Leone, S Cilia, M Zappia. "Psychological and social findings of patients with early multiple sclerosis or clinically isolated syndrome". *Presented as Poster* . Società Italiana di Neurologia. Catania, 2010.
39. F Patti, V Cimino, E D'Amico, S Messina, C Chisari, S Lo Fermo, C Leone, S Cilia, M Zappia. "Neuropsychological pattern of cognitive dysfunction in clinically isolated syndrome suggestive of MS". *Presented as Poster*. Società Italiana di Neurologia. Catania, 2010.
40. Patti F, Cimino V, Cavallaro T, D'Amico E, Messina S, Chisari CG, Lo Fermo S, Leone C, Cilia S, Reibaldi M, Cannemi V, Musco R and Zappia M. "Cognitive impairment in Clinically Isolated Syndrome suggestive of Multiple Sclerosis: association with brain imaging and retinal nerve fiber layer thickness". Comunicazione orale. *Presented as Poster* . Società Italiana di Neurologia. Catania, 2010.

#### **LECTURES AT CONGRESSES AND CONFERENCES**

- Speaker at the Congress Highlights in Neurology, V edition, San Cataldo (CL). 23-25 November 2022. Lecture title: "Nuovi farmaci orali nella Sclerosi Multipla".
- Speaker at the ECM course "Amiloidosi Cardiaca". Acicastello (CT), 18 November 2022. Lecture title: "Valutazione Neurologica".
- Speaker at the Congress "Dolore e malattie rare, quando pensarci". Catania, 04 November 2022. Lecture title: "Aspetti neurologici delle porfirie".
- Speaker at the Corso SIFO di alta specializzazione "Terapie geniche, biotecnologie, farmacogenetica e farmacogenomica casi clinici" - ed. 2022. Catania, 20 September 2022. Lecture title: "La Sclerosi Multipla".

- Speaker at the Webinar “Le Malattie Rare Oculari: cosa sappiamo?” 18 Dicembre 2020. Relazione “Il trattamento della Neuromielite Ottica..
- Speaker at the Congress “*Aggiornamenti in campo di wound care*”. Giardini Naxos (ME), 19 Ottobre 2019
- Speaker at the Congress “*Aggiornamenti in campo di wound care: arteriopatie periferiche e piede diabetico*”, con la relazione dal titolo “La metodologia della ricerca scientifica”; Caltanissetta, 8 Giugno 2019.

#### **EDUCATIONAL AND TRAINING ACTIVITIES:**

- Teaching position at the three-years degree course “Ortottica ed assistenza oftalmologica (LSNT2-ortottica)” for the academic year 2022/2023. Integrated course of Neurologia, Neuropsichiatria Infantile e Malattie Apparato Visivo. Teaching subject: Neurology. 2 CFU
- Teaching position at the three-years degree course “Tecniche Audioprotesiche” for the academic years 2021/2022 and 2022/2023. Integrated course of Neurosciences. Teaching subject: Neurology. 2 CFU
- Teaching position at the three-years degree course “Terapia Occupazionale” for the academic year 2021/2022, Integrated course of Medicine. Teaching subject: Neurologia. 1 CFU

#### **PARTICIPATION TO CONGRESS & CONFERENCES:**

- 52° Congresso della Società Italiana di Neurologia (SIN) Milano 2022 Milano, 3-6 dicembre 2022
- WCN ROME 2021 25th WORLD CONGRESS OF NEUROLOGY FULLY VIRTUAL, 3-7 Ottobre 2021
- 37° Congresso of the European Committee of Treatment and Research in multiple Sclerosis (ECTRIMS): digital experience. 13-15 Ottobre 2021.
- Corso avanzato di Epidemiologia Clinica, Università Humanitas, Milano. Milano, dicembre 2019 - maggio 2021.
- Corso “MUST - Multiple Sclerosis Team: improving skills and competency ” V Edizione, da novembre 2018 a novembre 2019 (10 incontri).
- Aggiornamenti in campo di *wound care*. Giardini Naxos (ME), 19 Ottobre 2019
- L Congresso della Società Italiana di Neurologia, Bologna 12-15 Ottobre 2019
- 9th ECTRIMS- ACTRIMS meeting. Stoccolma 11-13 Settembre 2019
- Aggiornamenti in campo di *wound care*: arteriopatie periferiche e piede diabetico. Caltanissetta, 8 Giugno 2019
- Meaningful patterns in MS symptoms control. Barcellona, 24-26 Maggio 2019.
- MS experts Summit 2019, Barcellona, 24-26 Maggio 2019
- 5° Congresso Accademia LIMPE/DISMOV. Catania, 22-24 Maggio 2019
- American Academy of Neurology, Philadelphia, 24 Aprile-1 Maggio 2019
- 8th ECTRIMS- ACTRIMS meeting. Berlino 10-12 Ottobre 2018
- XLVIX Congresso della Società Italiana di Neurologia, Roma 27-30 Ottobre 2018
- IV Congress of European Academy of Neurology, Lisbona, 16-19 Giugno 2018.
- “Way to be Maven”, Giardini Naxos (ME) 12-13 Aprile 2018
- “Dalla ricerca ai real world data: La personalizzazione della terapia nel paziente con SM. Acicastello (CT) 10 Novembre 2017 9 CFU
- 7th ECTRIMS- ACTRIMS meeting. Parigi 25-28 Ottobre 2017
- La tossina botulinica dalla ricerca ai real world data: La personalizzazione della terapia nel paziente con SM. Acicastello (CT) 10 Novembre 2017. 9 ECM
- Le sindromi neuroftalmologiche: dalla diagnosi alla terapia. Messina, 11 Novembre 2017. 6 ECM
- La terapia con Natalizumab nella scleromi multipla: 10 anni di esperienze a confronto. Cefalù (PA) 7 Ottobre 2017
- XLVIII Congresso della Società Italiana di Neurologia, Napoli 14-17 Ottobre 2017
- La mobilità dei pazienti con Sclerosi Multipla. Napoli, 22-23 settembre 2017.
- MS Neurocom & Optimist 2017. Roma, 2 Marzo 2017.
- 4th International Congress OCT Angiography and Advances in OCT. Roma 16-17 Dicembre 2016
- Urgenze-emergenze nel malato neuromuscolare. Acireale (CT) 19 Novembre 2016.
- Le sfide terapeutiche della SM: la gestione dell’innovazione. Acicastello (CT) 28-29 Novembre 2016
- Urgenze in Neurologia. Venezia, 22 Ottobre 2016. 2.5 CFU
- XLVII Congresso della Società Italiana di Neurologia, Venezia 22-25 Ottobre 2016
- Clinical research in Multiple Sclerosis focus on neurodegeneration. Venezia, 23 Ottobre 2016

XLVI Congresso della Società Italiana di Neurologia, Genova Ottobre 2015  
Corso “Scientific Communication in Multiple Sclerosis”, Genova 24-25 Settembre 2015.  
Il mal di testa: gestione integrata di medicina generale e specialista. Catania, 28 Giugno 2014  
BRAINS 2014. Barcellona, 14-15 Febbraio 2014  
XLV Congresso della Società Italiana di Neurologia, Cagliari Ottobre 2014  
Greewich: SM, confrontarsi sulla terapia, decidere per il paziente. Napoli, 13 Dicembre 2013  
XLIV Congresso della Società Italiana di Neurologia, Milano 2-5 Novembre 2013  
Excellence in MS 2013: Highlights fromECTRIMS. Napoli, 11-12 Dicembre 2013  
European Multiple Sclerosis Medical Meeting. Changing Milestones. Advances MS management. Barcellona, 16-17 Novembre 2012  
VI convegno update sulla genetica delle malattie neurologiche. Cagliari, 19-20 settembre 2013.  
4° Congresso di Neuro Oftalmologia e Neuroscienze della visione, Retina nervo ottico movimento oculari e nistagmo. Siena 14 e 15 Giugno 2013.  
Corso di Rilevatore Funzionale per studio BRAVEDREAMS Centro Auxologico, Milano, 24-26 Novembre 2012  
XLIII Congresso della Società Italiana di Neurologia, Rimini Ottobre 2012  
XLI Congresso della Società Italiana di Neurologia, Catania 23-27 Ottobre 2010  
Congresso SIN regionale “le Patologie Disimmuni del Sistema Nervoso”, Cefalu’ 18-19 Dicembre 2009

#### **PROFESSIONAL SOCIETY MEMBERSHIPS:**

Società Italiana di Neurologia- SIN-2011  
European Academy of Neurology (EAN) since 2017  
European Academy of Neurology (EAN) international board fellowship since 2018

#### **MAJOR RESEARCH INTERESTS**

Multiple Sclerosis, Amyotrophic lateral sclerosis, Neuromyelitis Optica, Cefalalgia, Neurophthalmology; Neurodegenerative diseases.

#### **CERTIFICATIONS**

- Certifications GCP (NIDA Clinical Trial Network)  
- Neurostatus: level C (october 2022)  
- Certification Zeiss (OCT) (10/10; January 2015)

IT skills: Microsoft Word, Power Point, Excel, Access, Multimedia.  
STATA, PRISM, Endnote, MatLab: good knowledge.

GCP Certification (NIDA Clinical Trial Network)  
Other: Travel (Europe, North America, Africa), Reading, Swimming.

I authorize the processing of my personal information according to D. Lgs 196/2003

Catania, 24/01/2023

Clara Grazia Chisari

