CURRICULUM VITAE

NAME: Nizar Souayah MD FAAN FANA FAANEM

PRESENT TITLE:

President and Founding Director of Premier Clinical and Research Neuromuscular Institute (PCRNI)

EDUCATION:

A. Undergraduate Graduate and Professional
Math and Science
Tunisia
High School/Baccalaureate 1982

B. Graduate and Professional
Medical School of Tunis
Tunisia
M.D 1990

POSTGRADUATE TRAINING:

A. **Internship and Residencies**

Hospitals of the Medical School of Tunisia.
Primary Care and Family Practice.
11/1987-7/1990

Hospitals of Medical School of Strasbourg, France.
Internal Medicine.

11/1992-10/1997

University of Pennsylvania Health System, Presbyterian Medical Center.
Philadelphia, PA.
Internal Medicine (PGY1).
10/1997-2/1999

Temple University Hospital, Philadelphia PA.
Neurology.
2/1999-6/2002

Temple University Hospital, Philadelphia PA (PGY3 and PGY4)
Chief Resident.
7/2000-6/2002

B. **Clinical and Research Fellowships**

Harvard Medical School, Boston, MA
Electromyographic/Neuromuscular Disease, Didier Cros M.D., Director, Massachusetts General Hospital.
7/2002-6/2003

C. Postdoctoral Appointments

Drexel Medical School, Philadelphia, PA.
Neuroscience: Neuroinflammation and Neurodegenerative Disorders, Timothy Cunningham PhD, Jeffry Greenstein MD/PhD.
7/2003-6/2004

MILITARY: None

ACADEMIC APPOINTMENTS:

Department of Neurology
Rutgers, The State University of New Jersey. Robert Wood Johnson medical school New Brunswick New Brunswick, NJ.
Professor of Neurology and Neurosciences (Scholar Track).
10/2019-08/2025

Department of Neurology and Neurosciences
Neurological Institute of New Jersey
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark NJ.
Professor of Neurology and Neurosciences (Scholar Track).
7/2018-08/2025

Department of Pharmacology, Physiology and Neurosciences.
Rutgers. The State University of New Jersey. New Jersey Medical School, Newark NJ.
Associate Professor of Pharmacology, Physiology and Neuroscience.
7/2015-08/2025

Department of Neurology and Neurosciences
Neurological Institute of New Jersey
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark NJ.
Associate Professor of Neurology and Neurosciences (Tenure Track).
7/2014-2018

Department of Neurology and Neurosciences
Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark NJ.

Assistant Professor of Neurology (Tenure Track).
7/2004-6/2013

HOSPITAL APPOINTMENTS:

Department of Neurology and Neurosciences
Neurological Institute of New Jersey
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark NJ.
Rahway Hospital
4/2020-2024

Department of Neurology and Neurosciences
Neurological Institute of New Jersey
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark NJ.
University Hospital
7/2004-2024

Department of Neurology and Neurosciences
Neurological Institute of New Jersey
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark NJ.
Newark Beth Israel Hospital
7/2015-2023

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS:

8/2024 President and Founding Director of Premier Clinical and Research Neuromuscular Institute (PCRNI)

7/2020 Founding director of Rutgers, the State University of New Jersey COVID-19 Neurology Centers of Excellence Care Center

7/2017 Founding director of Rutgers, the State University of New Jersey GBS/CIDP Centers of Excellence

7/2014 Director, MDA Care Center. Department of Neurology and Neurosciences
Neurological Institute of New Jersey
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark

7/2006 Program Director, Neuromuscular Medicine Fellowship.
Department of Neurology and Neurosciences.
Neurological Institute of New Jersey.

7/2004 Director, Electromyography laboratory, Department of Neurology and Neurosciences
Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ

7/2004 Director, Peripheral Neuropathy Center, Department of Neurology and Neurosciences
Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ

7/2004 Director, Neuromuscular Program, Department of Neurology and Neurosciences
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ

PRIVATE PRACTICE

8/2024 President and Founding Director of Premier Clinical and Research
Neuromuscular Institute (PCRNI)
03/2023 Attending Neurologist (NJPNI)

LICENSURE:

2001 Massachusetts Board of Registration in Medicine
(#213041 Exp: 10/09/2027)

2003 Medical Board of California
(# A85189 Exp:10/31/2027)

2004 New Jersey Board of Medical Examiners
(#25MA07746800 Exp:06/30/2027)

2010 New York State Education Department
(#252184-1 Exp: 09/30/2027)

DRUG LICENSURE:

2004 New Jersey Controlled Dangerous Substances (CDS)
(#D08553100 Exp: 10/31/2026)

2004 Drug Enforcement Administration (DEA)
(#BS7590234 Exp: 2/28/2026)

CERTIFICATION:

1990 Family Practice and Primary Care Certificate, Tunisia
(No Exp)

1997 Internal Medicine, Diplome Inter Universitaire De Specialisation, France
(No Exp)
(French equivalent of board certification in Internal Medicine)

2003 Neurology, American Board of Psychiatry and Neurology
(#52472 Exp: 2027)

2004 Electrodiagnostic Medicine, American Board of Electro diagnostic Medicine
(#2914 Exp: 2027)

2008 Neuromuscular Medicine, American Board of Psychiatry and Neurology
(#179 Exp: 2027)

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

A. National:

American Association of Neuromuscular and Electro diagnostic Medicine
Research Committee Member
2018-Present

Neuromuscular Section, American Academy of Neurology
Section Member
2016-Present

American Association of Neuromuscular and Electro diagnostic Medicine
Course Committee Member
2015-2018

American Association of Neuromuscular and Electro diagnostic Medicine
Seminar Committee Member

2013-2018

American Association of Neuromuscular and Electro diagnostic Medicine
Course Committee Member
2011-2012

American Academy of Neurology
Poster Session Reviewer
2011

American Academy of Neurology
History of Neurology Committee,
2008-Present

B. Memberships in Professional Societies

American Academy of Neurology
1998-Present

American Association of Neuromuscular and Electrodiagnostic Medicine
2001-Present

Pennsylvania Medical Society
1999-2003
European Federation of Neurological Societies
2003

Massachusetts Medical Society
2002-2004

The Neuropathy Association
2004-

HONORS AND AWARDS:

Fellow of the American Neurological Association
American Neurological Association
2024

Elected Fellow of the American Academy of Neuromuscular and Electrodiagnostic Medicine
American Academy of Neuromuscular and Electrodiagnostic Medicine

Elected Fellow of the American Academy of Neurology
American Academy of Neurology
2014

Listed: Healthgrades "Top Scoring Neuromusculoskeletal Medicine Doctor"
Healthgrades
2012

Teaching Award, Neurology Residents.
New Jersey Medical School
2011

Top Research Highlight and Annual Meeting Press Release program.
62nd American Academy of Neurology Annual Meeting, Toronto, Canada

http://www.medscape.com/features/slideshow/aan accessed on April 2, 2013.
2010

Listed: Guide To America's Top Physicians 2010, 2011,2012 and 2013,
www.consumersresearchcncl.org .
2010

Top Research Highlights and Annual Meeting Press Release program.
61st American Academy of Neurology Annual Meeting, Seattle.
http://www.aan.com/press/index.cfm?fuseaction=release.view&release=692
Accessed on April 2 2013.
2009

Junior Member Recognition Award.
American Association of Electrodiagnostic Medicine.
2004

Junior Member Recognition Award.
American Association of Electrodiagnostic Medicine.
2003

Travel Grant Award.
American Academy of Neurology.
2002

Travel Grant Award, Marine Biological Laboratory. Woods Hole MA, Pathogenesis of Neuroimmunologic Diseases Summer Course.
2001

Travel Grant Award.
American Academy of Neurology
2000

Travel Grant Award.
American Neurological Association
1999

French Medical Award for the End of Specialty Thesis.
Medical School of Strasbourg. Strasbourg. France
1997

Very Honorable Mention and Congratulation of the Jury for Medical Degree Thesis.
Medical School of Tunis. Tunis. Tunisia
1990

BOARDS OF DIRECTORS/TRUSTEES POSITIONS:

NA

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

Panel Member, 2023 Congressionally Directed Medical Research Programs (CDMRP),
Peer Reviewed Medical Research Program (PRMRP)

New York State Stem Cell (NY STEM) Neurobiology Panel, Grant Reviewer.
American Institute of Biological, Sciences (AIBS)
2010-2012

Muscular Dystrophy Association Grant Reviewer.
Muscular Dystrophy Association
2016

SERVICE ON MAJOR COMMITTEES:

A. International

NA

B. National

Neuromuscular Section, American Academy of Neurology
Section Member
2016-Present

American Association of Neuromuscular and Electro diagnostic Medicine
Course Committee Member
2015-2018

American Association of Neuromuscular and Electro diagnostic Medicine
Seminar Committee Member
2013-2018

American Association of Neuromuscular and Electro diagnostic Medicine
Course Committee Member
2011-2012

American Academy of Neurology
Poster Session Reviewer
2011

American Academy of Neurology
History of Neurology Committee,
2008-Present

C. Medical School/University

FCAP Committee (Faculties Promotion Committee):
New Jersey Medical School, Newark, NJ
Member
2018-2025

Task Force Committee: Mastery of Clinical Knowledge with Integration of Basic Sciences.
New Jersey Medical School, Newark, NJ
Member
2010-2025

Search Committee for Chair of Department of Medicine,
New Jersey Medical School, Newark, NJ
Member
2010-2012

Internal Review Committee for ENT Department.
Temple University School of Medicine, Philadelphia, PA
Member
2002

Member, Search Committee for Chair of Department of Neurology.
Temple University School of Medicine, Philadelphia, PA
2001-2002

D. Hospital

Member of Combined Critical Care & Resuscitation Committee. 2017-Present
Member of Health Systems Subcommittee. 2017-2025

E. Department

F. Editorial Boards

Frontiers in Molecular Neuroscience
2023-Present

Journal of Vaccines & Vaccination (Executive editor)
2010-Present (https://www.walshmedicalmedia.com/vaccines-vaccination/editorial-board.html)

Austin Neurology & Neurosciences
2016-Present (https://austinpublishinggroup.com/neurology-neurosciences/editorialBoard.php)

G. *AdHoc* Reviewer

European Neurology
2007

Annals of Internal Medicine
2008

British Medical Journal. Point of Care
2008

Map of Medicine
2008

Medical Science Monitor
2008

Virus Research
2008

Drug Safety
2008

PLoS ONE
2008

Journal of Neuroimaging
2008

Muscle & Nerve
2008

Neurobiology of Disease
2009

Expert Review of Neurotherapeutics
2009

Journal of Neurological Sciences
2009

The Journal of Rheumatology
2009
Vaccine
2010

Travel Medicine and Infectious Disease
2010

Yonsei Medical Journal
2011

Diabetes Research and Clinical Practice
2011

Clinical Medicine Reviews in Therapeutics
2011

Journal of the Peripheral Nervous System
2011

Journal of Neuroepidemiology
2011

BioMed Central (BMC) Neuroscience
2011

International Journal of General Medicine
2011

European Journal of Neurology
2011

Annals of Saudi Medicine
2012

Journal of Neuroscience in Rural Practice
2012

Journal of Clinical Neuromuscular Disease
2012

American Academy of Neurology (AAN) Evidence-based Guideline Reviewer:
Evaluation, Diagnosis, and Management of Congenital Muscular Dystrophy
2013

Internal Medicine
2013

International Journal of Medical Sciences
2013

Expert Review of Clinical Immunology
2013

International Medical Case Reports Journal
2013

Expert Review of Vaccines
2013
Neuroepidemiology
2013

Muscle&Nerve
2016

Case Reports in Neurology
2016

Research@f1000.com
2016
Touch Neurology 2018

Journal of Neuroinflammation 2018

Expert Review of Neurotherapeutics 2023

SERVICE ON GRADUATE SCHOOL COMMITTEES:

SERVICE ON HOSPITAL COMMITTEES:

Combined Critical Care & Resuscitation Committee. 2017-2025
Health Systems Subcommittee. 2017-2025

SERVICE TO THE COMMUNITY:

SPONSORSHIP (Primary Mentorship) OF CANDIDATES FOR POSTGRADUATE DEGREE:

A. Students:

Naja Baker, Undergraduate Student, 2008, College Student

Peter Michas-Martin, Medical Student, 2009, Neurology Attending

Tejas Patel, Master Degree, 2010-2011, Dental Attending

Andrew Ji, Undergraduate Student, 2010-2011, Medical Student

Oleksandra Petryna, Undergraduate Student, 2012, College Graduate Rutgers.

Nicole Tomkowicn, Master Degree, 2013-2014

Jordana Goldman, Medical Student Rutgers, 2016- 2019

Janaki Patel Medical Student Rutgers, 2016- 2018

Shreya Shah Medical Student Rutgers, 2017- 2018

Hael Abdulrazek Medical Student Rutgers, 2017- 2019

Mohammad Zaidi Medical Student Rutgers, 2017- 2018

Kevin Nolasco Medical Student Rutgers, 2018- 2019

Georgia Barbayannis Master Student, 2019-2020

Gabriel Arismendi Medical Student Rutgers, 2020- Present

Stefano Malerba Medical Student Rutgers, 2020- 2021
Rishita Patlolla Medical Student Rutgers, 2020- 2021

Paris Thepmankorn Medical Student Rutgers, 2020- 2024

Mustafa Jaffry Medical Student Rutgers, 2020- 2024

Kranthi Mandava Medical Student Rutgers, 2020- 2024

Mohsen Ahmed Medical Student Rutgers, 2020- 2024

Brian Sun Medical Student Rutgers, 2020- 2024

Mohamed Ors Medical Student Rutgers, 2020- 2024

R Trivedi Medical Student Rutgers, 2020- 2024

Kazim Jaffry Medical Student Rutgers, 2021- 2024

Iqra Faiz Mater Student, 2022-2024

Kelly Saverino Student, 2023-2024

Joe Wardell Medical student 2023-2024

A. Residents/Chief Residents:

Halima Karim MD, Neurology Chief Resident, 2004-2005, Neurology Attending

Joon-Shik Moon MD, Neurology Resident, 2004-2005, Assistant Professor, University of Oklahoma

Ahmad El-Gengaihy MD, Neurology Chief Resident, 2005-2006, Stroke Attending

Nimer Mian DO, Neurology Resident, 2005-2006, Neurology Attending

Ari Chodos MD, Medicine Resident, 2006-2007, Hospitalist

Douglas Valenta MD, Neurology Chief Resident, 2007-2008, Neurology Attending

Hussam A. Yacoub DO, Neurology Chief Resident, 2009-2010, Neurology Attending

Khosro Farhad MD, Neurology Chief Resident, 2009-2011, Neuromuscular Fellow

Hurmina Muqtadar MD, Neurology Resident, 2009-2011, Stroke Fellow

Eric Vernier MD, Pediatric Neurology Fellow, 2009-2010, Neurosurgery Resident

Jamuna Rajasingham MD, Neurology Resident, 2011-2012, Neuromuscular fellow
Venit Punia MD, Neurology Resident, 2011, Neurology Resident

Zaid Al-Qudah MD, Neurology Chief Resident, 2010-2013

Rania Abou Elenein MD, Neurology Resident, 2010-2013

Mohammad El-Ghanem, Neurology Resident, 2012-Present

Zubeda Begum Sheikh MD, Neurology Resident and Chief Resident, 2012-Present

Francisco Gomez MD, Neurology Resident 2014-Present

Shuja Sheikh MD, Neurology Resident 2016-Present

Abdul R Alchaki MD, Neurology Resident 2017-Present

Rajanigandhi Hanumanthu MD, Neurology Resident 2017-Present

Nirav Sanghani MD, Neurology Resident 2017-Present

Somaya Bouchachi MD, Neurology Resident 2017-Present

Kazi Md Asif Hilmi MD, Neurology Resident 2019-Present

Keyvan Heshmati MD, Neurology Resident 2019-Present

Jorge Rodriguez Lee, Neurology Resident 2020-Present

Nicholas Bellacicco, Neurology Resident 2022-Present

Roopa Sharma, Neurology Resident 2022-Present

SPONSORSHIP (Primary Mentorship) OF POSTDOCTORAL FELLOWS:

A. Clinical Fellows:

Fellow Name	Years	Current Position
Akram Shhadeh MD	2008-2009	Assistant Professor, University of Okl
Bilal Saulat MD	2009-2010	Neuromuscular Attending University of Maryland
Pavel Tishuk MD	2010-2011	Neuromuscular Attending
Leila Maybodi MD	2011-2012	Assistant Professor, George Town University
Jeffrey Kornitzer MD	2014-2016	Neuropediatric Fellow
Saef Izzy MD	2014-2016	Neurointensive care fellow

Fellow Name	Years	Current Position
Nataliya Krivitskaya MD Sciences)	2007-2009	Pediatric Attending
Lubna Mehyar MD	2010-2011	Neuro-oncology Pediatric Fello
Wael Abukwaik MD	2010-2011	Medicine Resident (Oversea)
Zubeda Begum Sheikh MD	2011-2012	Neurology Chief Resident
Hongxin Chen PhD	2010-2020	Research Associate

Ankit Pahwa MS	2013 Present	Research Associate
Tamara Opila PMH	2014-2018	Research Associate
Mohammad Bilal Chaudhary MD	2016-2017	Post-Doctoral Fellow Clinical Sciences

B. SPONSORSHIP (Primary Mentorship) For Faculties

Krista Blackwell PhD; 2016-Present; Assistant Professor of Pharmacology, Physiology and Neurosciences (RCN Mentorship Program)
Megan Leitch MD; 2015-2022; Associate Professor of Neurology
Leila Maybodi MD; 2018-2020; Assistant Professor of Neurology

C. Awards Received by Mentees

Mohsen Ahmed. American Association of Neuromuscular and Electro diagnostic Medicine Medical Student Research Award 2023

Mustafa Jaffry American Association of Neuromuscular and Electro diagnostic Medicine Medical Student Research Award 2022

Kranthi Mandava American Association of Neuromuscular and Electro diagnostic Medicine Medical Student Research Award 2022

Brian Sun Medical American Association of Neuromuscular and Electro diagnostic Medicine Medical Student Research Award 2022

Mohamed Ors Medical American Association of Neuromuscular and Electro diagnostic Medicine Medical Student Research Award 2022

R Trivedi Medical American Association of Neuromuscular and Electro diagnostic Medicine Medical Student Research Award 2022

Paris Thepmankorn Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2021

Rishita Patlolla. Golseth Young Investigator Award Candidate. American Association of Neuromuscular and Electro diagnostic Medicine 2020

Keyvan Heshmati, MD. Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2020

Shuja Sheikh, MD. Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2019

Nirav Sanghani MD, Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2018

Somaya Bouchachi MD, Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2018

Shuja Sheikh, MD. Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2017.

Francisco Gomez MD, Golden Apple Award 2017

Francisco Gomez MD. Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2017

Francisco Gomez MD, Arnold P. Gold Foundation Humanism & Excellence in Teaching Award 2017

Francisco Gomez MD. Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2016

Francisco Gomez MD, Arnold P. Gold Foundation Humanism & Excellence in Teaching Award 2016

Francisco Gomez MD, Golden Apple Award 2016

Francisco Gomez MD, AAN Travel Award for Platform Presentation. AAN Annual Meeting 2016. Vancouver Canada

Mohammad El-Ghanem, Arnold P. Golden Apple Award 2013-15

Mohammad El-Ghanem, Arnold P. Gold Foundation Humanism & Excellence in Teaching Award 2013-15

Lelia Maybodi, MD, Junior Member Recognition Award from the American Association of Neuromuscular and Electrodiagnostic Medicine 2011

Pavel Tishuk, MD. Junior Member Recognition Award from the American Association of Neuromuscular and Electrodiagnostic Medicine 2010, 2011

Khosro Farhad, MD, Junior Member Recognition Award from the American Association of Neuromuscular and Electrodiagnostic Medicine 2010, 2011

Hurmina. Muqtadar, MD, Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2010

Hussam A. Yacoub, DO, Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2010

Bilal Saulat, MD, Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2010

Moon JS, MD, Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2006

Karim Halima, MD, Junior Member Recognition Award from the American Association of Neuromuscular and Electro diagnostic Medicine 2005

TEACHING RESPONSIBILITIES:

A. Lectures or Course Directorships

a. Administrative:

1. 2004-Interview of Prospective Neurology Residency Candidates, Department of Neurology and Neurosciences. Neurological Institute of New Jersey. Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 15 hours/year

2. 2009-Interview of Prospective Neurology Neuromuscular Fellowship Candidates, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ,

8 hours/year

b. Courses Teaching:

National

1. 11/04/2023 Chair of Annual Course Seminar: Novel therapeutic approaches for ALS: from bench to bedside. The Known and The Speculative. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) Phoenix, Arizona

2. 11/01/2023 Chair of Annual Course Seminar: The Spectrum of Neuromuscular Complications of SARS-CoV-2 Infection and Vaccination. The Known And The Speculative. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) Phoenix, Arizona.

3. 4/21/2021 Education program director: Neurologic Manifestations and the Impact of COVID-19. AAN annual meeting (Virtual meeting) 2021.

4. 09/16/2017 Chair of Annual Course Seminar: Neuroinflammation in Diabetic and Metabolic Neuropathies. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) Phoenix, Arizona

5. 09/15/2016 Chair of Annual Course Seminar: Stem cell therapy and other Novel therapeutic approaches in ALS: from bench to bedside. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) New Orleans, Louisiana.

6. 10/29/2015 Chair of Annual Course Seminar: Neuromuscular Complications of Infections and Vaccination. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) Honolulu, Hawaii.

Medical School

2005- Mind, Brain and Behavior Course, Second Year Medical Student, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ

c. Curriculum Development:

2004-Organization of Electromyography and Neuromuscular Subspecialty for Neurology Residents, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ

2008-Organized and Authored Neuromuscular Lecture Series for the ACGME Approved Neuromuscular Fellowship, Department of Neurology and Neurosciences Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey

2008-Developed, obtained ACGME approval and implemented the Neuromuscular Medicine Fellowship, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ

2009-Developed Neurology Board Review Lecture Series for Neurology Residents, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ

d. Medical Students:

2004-2025 Ward Attending for 4th Year Neurology Clerkship, In Patient Service, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey.
New Jersey Medical School, Newark, NJ, 2 hours/day for 2.5 Months/Year

2010- Ward Attending for 3rd Year Neurology Clerkship, In Patient Service, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 2 hours/day for 2.5 Months/Year

2004-2025 Ward Attending for 4th Year Neurology Clerkship, Consultation Service, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 2 hours/day for 2.5 Months/Year

2010-2025 Ward Attending for 3rd Year Neurology Clerkship, Consultation Service, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 2 hours/day for 2.5 Months/Year

e. Neurology Residents:

2004- Ward Attending, Neurology Inpatient Service, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 2.5 hours/day for 2.5 months/year (including the time spend with medical students)

2004-Ward Attending, Neurology Consultations Service, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 2.5 hours/day for 2.5 months/year (including the time spend with medical students)

2004-Supervising Attending for Neurology Residents, Peripheral Neuropathy Outpatient Clinic, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 4 to 8 hours/week

2004- Supervising Attending for Neurology Residents, Electromyography Laboratory, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 4 to 8 hours/week

2010- Faculty Supervisor, Neurology Board Review Sessions, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 2 to 4 hours/month

2005- Faculty Moderator, Journal Club, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, 2 hours/year

f. Neuromuscular Medicine Fellows:

2008- Faculty supervisor, Electromyography Laboratory, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ. This includes direct supervision of electromyography studies, review of reports, and lectures in basic and clinical electromyography. 5 hours/day

2008- Faculty supervisor, Peripheral Neuropathy center, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ. This includes direct and indirect supervision of patient Consultations and review of neuromuscular consultation reports.
2 hours /day

2008- Lecturer (and supervision of fellow lectures), Neuromuscular Medicine Program, Department of Neurology and Neurosciences. Neurological Institute of New Jersey.
Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ. 2 to 4 hours/month

g. National Presentations and Grand Rounds:

01/17/2024 Unmasking the Neuromuscular Mysteries: Sars-Cov-2 Infection and Vaccination's Impact – Known Facts and Bold Speculations. Department of Medicine. Rutgers. NJMS

11/16/2023 Unveiling Neuromuscular Complications Of Sars-Cov-2 Infection And Vaccination: Known And Speculative Aspects. Neurology Services, VANCHCS, Martinez, CA

06/07/2023 Primary Care Provider Tools for COVID-19: Beyond the Basics

05/10/2023 Primary Care Provider Tools for COVID-19 Treatment

04/12/2023 to 06/07/2023 Moderator of Antivirals & Long COVID ECHO Strategies for Healthcare Providers Program

01/25/2023 Metabolic Myopathies: An Updated Practical Approach. Department of Medicine. Rutgers. NJMS

06/22/2021 The Spectrum of Neurological Manifestations and Health Disparities of SARS-CoV-2 infection. Neurological Association of New Jersey Annual Spring Meeting.

03/30/2021 Neurological Manifestations and Impact of SARS-CoV-2 infection on Health Disparities. Women's Health Institute, Rutgers Robert Wood Johnson Medical School. NJ

09/16/2017 Chair of Annual Course Seminar: Neuroinflammation in Diabetic and Metabolic Neuropathies. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) Phoenix, Arizona

09/15/2016 Stem cells and Gene Therapies in Amyotrophic Lateral Sclerosis: Expectation and Unmet Needs. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) New Orleans, Louisiana.

10/29/2015 Guillain-Barre Syndrome After Vaccination: What is and is Not Known. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) Honolulu, Hawaii.

08/07/2013 Guillain-Barré Syndrome After Vaccination: An Update. Neurology Department. Rutgers, The State University of New Jersey. New Jersey Medical School. Newark NJ.

08/02/2013 Guillain-Barré Syndrome After Vaccination: What is And is Not Known. Neurology Department. Case Western Reserve University School of Medicine.

Cleveland OH.

05/14/2013 Guillain-Barré Syndrome after Vaccination: Separating Myth from Fact.
Neurology Department. NYU Medical School. New York NY.

01/16/2013 Guillain-Barré Syndrome after Vaccination: A Critical Review of the Evidence.
Neurology Department. Robert Wood Johnson Medical School. New Brunswick NJ

09/14/2012 Guillain-Barre Syndrome after Vaccination, A Myth Or a Reason to be Cautious?
Neurology Department. Cooper University Hospital. Camden NJ.

12/05/2011 Electro diagnostic Evaluation of Traumatic Nerve Injury, Plastic Surgery
Department, University Hospital New Jersey Medical School.

09/14/2011 Guillain-Barre Syndrome after Vaccination, A Myth Or a Reason to be Cautious?
Vaccines And Neuromuscular Adverse Events Seminar. American Academy of
Neuromuscular And Electro diagnostic Medicine (AANEM) San Francisco CA.

9/14/2011 Chair of Annual Course Seminar: Vaccines and Neuromuscular Adverse Events
Lecturer, Overview of Vaccines and Biological Mechanisms of Autoimmunity.
Vaccines and Neuromuscular Adverse Events Seminar. American Academy of Neuromuscular and Electrodiagnostic Medicine (AANEM) San Francisco CA.

11/24/2011 Demyelination In Diabetic Neuropathy: A Novel Approach.
Neurology Department, New Jersey Medical School, Newark, NJ

04/13/2010 Guillain-Barre Syndrome after H1N1 Vaccination in the United States:
A Report From the CDC/FDA Vaccine Adverse Event Reporting System (2009)
Late Breaking News and Press Release Conference.
62nd American Academy of Neurology Annual Meeting, Toronto, Canada.

04/28/2009 Guillain-Barre Syndrome after Vaccination with Gardasil in United States.
A Report From the CDC/FDA Vaccine Adverse Event Reporting System.
Press Release Conference, 61nd American Academy of Neurology
Annual Meeting, Seattle WA.

4/25/2008 Monitoring Neuroinflammation In Diabetic Neuropathy: A Novel Approach,
Endocrinology Division, Department of Medicine. New Jersey Medical School,
Newark, NJ

04/25/2008 Neuroinflammation In Diabetic Neuropathy, Department of Medicine,
New Jersey Medical School, Newark, NJ

04/21/2008 Clinical Correlation of Peripheral Neuropathies, Department of Neurology,
New Jersey Medical School, Newark, NJ

02/08/2008 Advances In Immunobiology and Treatment of Idiopathic Inflammatory
Myopathies, Department of Medicine, Lincoln Medical Center, NY

01/07/2008 Introduction to Electrodiagnostic Medicine In Peripheral Nerve Injury,
Plastic Surgery Department, New Jersey Medical School, Newark, NJ

12/20/2007 Update In Idiopathic Inflammatory Myopathies. Department of Medicine,
New Jersey Medical School, Newark, NJ

10/31/2007 Introduction to Electrodiagnostic Medicine. ENT Department, New Jersey Medical School, Newark, NJ

02/21/2007 Restless Leg Syndrome. Hackettstown Regional Medical Center. NJ

01/20/2007 Course Director and Lecturer, High Resolution Ultrasound Imaging of the Peripheral Nerve, American Society of Neuroimaging Annual Meeting. Miami, FL

11/20/2004 Unusual Manifestation of Myotonic Dystrophy, Neurology Department, University Hospital New Jersey Medical School, Newark, NJ

08/22/2003 The Diagnosis of Neuropathy, Graduate Hospital, Drexel Medical School, Philadelphia PA

04/24/2003 Melkersson-Rosenthal Syndrome, EMG Laboratory, Neurology Department, Massachusetts General Hospital, Harvard Medical School, Boston MA

04/17/2003 Myasthenia Gravis, EMG Laboratory, Neurology Department, Massachusetts General Hospital, Harvard Medical School, Boston MA

02/27/2003 Guillian Barré Syndrome & CIDP, EMG Laboratory, Neurology Department, Massachusetts General Hospital, Harvard Medical School, Boston MA

01/09/2002 Repetitive Stimulation, Neurology Department, Massachusetts General Hospital, Harvard Medical School, Boston MA

12/21/2002 Principle of Magnetic Simulation and its Use in the Diagnosis of Peripheral Nervous System Disorders, Neurology Department, Massachusetts General Hospital, Harvard Medical School, Boston MA

10/10/2002 Cervical Radiculopathies: Clinical And Neurophysiological Diagnosis. Neurology Department, Massachusetts General Hospital, Harvard Medical School, Boston MA

10/17/2002 Lumbosacral Radiculopathies: Clinical and Neurophysiological Diagnosis. Neurology Department, Massachusetts General Hospital, Harvard Medical School, Boston MA

08/08/2002 Needle EMG, Neurology Department, Massachusetts General Hospital, Harvard Medical School, Boston MA

07/18/2002 Kearns-Sayre Syndrome, Neurology Department, Albert Einstein Medical Center, Philadelphia, PA

04/13/2001 Pathogenesis of Amyotrophic Lateral Sclerosis, Neurology Department Evening Seminar, Temple University Hospital, Temple University School of Medicine, Philadelphia, PA

02/18/2000 Chronic Huntington Chorea, Neurology Department, Albert Einstein Medical Center, Philadelphia, PA

01/28/2000 Huntington Disease, Neurology Department, Cooper University Hospital. Camden, NJ

10/27/1999 Effect of Cocaine on the Central Nervous System, Neurology Department Temple University Hospital, Temple University School of Medicine, Philadelphia, PA

09/17/1999 Central Nervous System Vasculitis, Neurology department, Albert Einstein Medical Center, Philadelphia, PA

07/23/1999 Neurovascular Manifestation of Cocaine Abuse, Neurology Department, Cooper University Hospital. Camden, NJ.

h. International Presentations and Grand Rounds:

04/13/2010 Guillain-Barre Syndrome after H1N1 Vaccination in the United States: A Report From the CDC/FDA Vaccine Adverse Event Reporting System (2009) Late Breaking News and Press Release Conference. 62nd American Academy of Neurology Annual Meeting, Toronto, Canada.

12/26/2006 Guillain-Barré Syndrome In Immunosuppressed Patients, Department of Neurology and Neurosciences, King Fahd Medical Center, Riyadh, Saudi Arabia

12/26/2006 Unusual Presentation of Myotonic Dystrophy. Department of Neurology and Neurosciences, King Fahd Medical Center, Riyadh, Saudi Arabia

12/05/2006 Severe Botulism after Focal Injection Of Botulinum Toxin, Department of Neurology and Neurosciences, King Fahd Medical Center, Riyadh, Saudi Arabia

12/02/2006 AIDS-Associated Guillain-Barré Syndrome and Elevated Anti-Sulfatide Antibodies, Words AIDS Day, Tianjin, China

B. Research Training (other than Primary Mentorship)

Post Doctoral Fellows: *name, dates (inclusive) of training*

Pre Doctoral Students: *name, dates (inclusive) of training*

In advisory function (thesis committee):

Georgia Barbayannis, B.A. Master of Science of Biomedical Science Student, 2020, Sue, X Ming MD, PhD (Primary mentor)

Eric Himelman, Student in Pharmacology, Physiology and Neuroscience. 2017, Joshua Berlin Phd. (Primary mentor)

Claudine Bitel, PhD, Student in Integrative Neurosciences, 2008-2010, Peter Frederikse PhD (Primary mentor)

Carmen Garcia PhD, Student in Integrative Neurosciences, 2008-2010, Joseph McArdle PhD, (Primary mentor)

CLINICAL RESPONSIBILITIES:

7/1990-10/1992 Clinical and Administrative Medical Director, Rehabilitation and Physical Therapy Center, H.Bourguiba Health Center, Tunisia

7/2004- Director, Electrodiagnostic Medicine Laboratory, Department of Neurology and Neurosciences Neurological Institute of New Jersey. Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ, Newark, NJ

7/2004- Director, Peripheral Neuropathy Center, Department of Neurology and Neurosciences Neurological Institute of New Jersey. Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ.

7/2004- Director, Neuromuscular Program. Department of Neurology and Neurosciences. Neurological Institute of New Jersey. Rutgers, The State University of New Jersey. New Jersey. Medical School, Newark, NJ.

7/2006-6/2013 Director, Neuromuscular Medicine Fellowship. (ACGME I.D. # 1833321006). Department of Neurology and Neurosciences. Neurological Institute of New Jersey. Rutgers, The State University of New Jersey. New Jersey Medical School, Newark, NJ.

7/2014- MDA Clinic Director

7/2020- Founding director of Rutgers, the State University of New Jersey COVID-19 Neurology Centers of Excellence Care Center

GRANT SUPPORT:

A. Principal Investigator

1. MDA, MDA Care Center, 01/01/2017-01/01/2021, $150,000

2. Investigator Initiated Award, 03/01/2021 - 02/01/2024
   Ram Capital/Ende Foundation Souayah Nizar (PI) Effect of adaptive immunity on survival and motor function of amyotrophic lateral sclerosis, $ 420,000

3. Clinical Trial Baxalta, 02/01/2020-02/01/2022. Souayah Nizar (PI) Phase III Efficacy, Safety, and Tolerability Study of HYQVIA/HyQvia and GAMMAGARD LIQUID/KIOVIG

4. Muscular Dystrophy Association (MDA), 04/01/2020-, Souayah Nizar (PI) Neuromuscular Observational Research (MOVR) Data Hub Protocol Neuromuscular Observational Research (MOVR) Data Hub Protocol

5. Investigator Initiated Award CSL, 10/01/2019- 9/30/2021 Souayah Nizar (Co-PI). The Influence of Body Composition on Immunoglobulin Disposition After Intravenous and Subcutaneous Administration

6. Dysimmune Diseases Foundation, 3/11/2020-, Souayah Nizar (Site-PI) Finding The Efficacy Of Ivig In Patients With Dysimmune Inflammatory Neuropathy And Diabetes (Find-Ivig)

7. RAM Capital Investigator Initiated Award Program. Effect of adaptive immunity on survival and motor function of amyotrophic lateral sclerosis1/1/2019-12/30/2019

8. Ray Mirra Capital Investigator Initiated Award Program, Proteomics Strategy: A Novel Approach Proteomics Strategy: A Novel Approach to Identify Biomarkers For Inflammatory Neuropathy, 09/01/2013-06/30/2018, $455,385, PI

9. Grifols, A Multi-center, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of Immune Globulin (Human), 10% Caprylate/Chromatography Purified (IGIV-C) in Symptomatic Subjects with Generalized Myasthenia Gravis, Clinical Trial, 11/01/2015-07/30/2018, PI

10. Grifols, A Multicenter, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Efficacy and Safety of Immune Globulin (Human), 10% Caprylate/Chromatography Purified (IGIV-C) as a Corticosteroid Sparing Agent in Corticosteroid Dependent Patients with Generalized Myasthenia, Clinical Trials, 11/01/2015-07//30 2018, PI

11. Ray Mirra Capital, Post Doc Grant:Proteomics Strategy: A Novel Approach To Identify Biomarkers For Inflammatory Neuropathy, 12/15/2015-12/15/2018, $100.000

12. Ray Mirra Capital, Post Doc Clinical Research, 09/15/2015-09/15/2018, $60.000

13. Grifols Investigator Initiated Award, Demyelination In Diabetic Neuropathy, 11/2010-11/2013, $387,5000, PI

B. Co-Investigator

1. Private Funding, The goal of this project is to study nerve repair after traumatic damage, 1/2007-12/2009, $100,000, Co-PI

2. Defense Threat Reduction Agency, Department of Defense, Therapeutic efficacy of botulinum metalloendoprotease inhibitors. Protection and recovery of neurotransmitter release and neuromuscular function, 10/2007-10/2010, $300,000, Co-PI

*Comments: In both grants, while only 10% effort, I designed the ***in vivo*** neurophysiology studies, motor nerve conduction studies, sensory nerve conduction studies, and motor unit number estimate (MUNE). I also trained the project technicians to perform the above studies. Neurophysiology studies are critical studies for these projects.

PATENTS:

U.S. International Patent Application PCT/US2022/049119: SYSTEMS AND METHODS FOR DIAGNOSIS AND TREATING DEMYELINATING NEUROPATHY" filed on November 7, 2022

U.S. Provisional Application 63/111,862 (RU Docket 2020-091): METHODS FOR DIAGNOSIS AND TREATING DEMYELINATING NEUROPATHY" (RU Docket 2020-091) filed on November 10, 2020

NON-CLINICAL EXPERIENCE

Physician Reviewer – Utilization Review, Medical Necessity, Disability Review, and Second Opinions

- Alight Solutions
- PinnacleCare International LLC
- Accolade (2nd.MD)
- MORE Health, Inc.
- Private Health Management
- SecondOpinions.com
- ICliniq
- Livanta
- Maximus
- STG International
- Dane Street
- CIMRO
- National Medical Review
- SUMMUS
- 29J
- AMCM
- MMRO
- Takeda
- Grifols
- CSL
- Chartis (Formerly The Greeley Company)
- Leidos
- KonsilMD
- MyUSA.Dr
- Janssen
- Shire
- MD for Patients

- Atheneum
- J&J (Johnson & Johnson)
- Qualified Medical Evaluator (QME), Neurology — California Division of Workers' Compensation

PUBLICATIONS:

A. Referenced Original Article in Journal

1. Rodriguez RD, Anderson AEL, Gwathmey KG,… **Souayah N**, et al. Mental Health Experiences and Challenges Among Individuals with Myasthenia Gravis: Insights from Patient-Centered, Qualitative Analyses. Adv Ther. Dec 2025;42(12):6209-6233. doi:10.1007/s12325-025-03399-x
2. Jackson, L**., Souayah N**, et al., Exacerbation and myasthenic crisis in generalized myasthenia gravis: real-world healthcare resource utilization and cost burden in the United States. Curr Med Res Opin, 2025: p. 1-20
3. Chong, Z.Z. and N. Souayah, *Oxidative Stress: Pathological Driver in Chronic Neurodegenerative Diseases.* Antioxidants (Basel), 2025. **14**(6).
4. Chong, Z.Z. and **N. Souayah**, *Targeting Gene C9orf72 Pathogenesis for Amyotrophic Lateral Sclerosis.* Int J Mol Sci, 2025. **26**(9).
5. 2. Chong, Z.Z. and **N. Souayah**, *Neuroinflammation in diabetic peripheral neuropathy and therapeutic implications.* Rev Neurosci, 2025.
6. 3. Chong, Z.Z. and **N. Souayah**, *Pathogenic TDP-43 in amyotrophic lateral sclerosis.* Drug Discov Today, 2025. **30**(5): p. 104351.
7. Chong ZZ, **Souayah N.** Crumbling Pathogenesis and Biomarkers for Diabetic Peripheral Neuropathy. Biomedicines, in press, 2025
8. Bril, V., Berkowicz, T., Szczudlik, A., Nicolle, M. W., Bednarik, J., Hon, P., Vaitkus, A., Vu, T., Rozsa, C., Magnus, T., Panczel, G., Toomsoo, T., Pasnoor, M., Mozaffar, T., Freimer, M., Reuner, U., Vecsei, L., **Souayah, N**., Levine, T.,…Mondou, E. (2025). Efficacy and safety of maintenance intravenous immunoglobulin in generalized myasthenia gravis patients with acetylcholine receptor antibodies: A multicenter, double-blind, placebo-controlled trial. *Muscle Nerve*, *71*(1), 43-54
9. Chong ZZ, **Souayah N**. Radixin: Roles in the Nervous System and Beyond. Biomedicines, 12 (10): 2341, 2024
10. Chong ZZ, Menkes DL, **Souayah N**. Targeting neuroinflammation in distal symmetrical polyneuropathy in diabetes. Drug Discov Today, 29(8):104087, 2024.
11. Zhdanava, M., J. Pesa, P. Boonmak, S. Schwartzbein, Q. Cai, D. Pilon, Z. Choudhry, M. H. Lafeuille, P. Lefebvre, and **N. Souayah**. 2024. "Predictors of High Healthcare Cost Among Patients with Generalized CIDP: A Combined Machine Learning and Regression Approach from a US Payer Perspective." Appl Health Econ Health Policy. doi: 10.1007/s40258-024-00897-x.
12. Sharma R, Chong ZZ, Menkes DL, **Souayah N**. Unraveling the Pathogenic Mechanisms of Diabetic Distal symmetric diabetic polyneuropathy: The Interplay of

Oxidative Stress and Neuroinflammation. Clinical Trials and Analysis, The Geek Chronicles, 1(1): 1-13, 2024

13. **Souayah N**, Chen H, Chong ZZ, Patel T, Pahwa A, Menkes DL, et al. Novel strategy: Identifying new markers for demyelination in diabetic distal symmetrical polyneuropathy. Heliyon. 2024;10(9):e30419
14. **Souayah, N**., et al., Regression equation analysis enhances detection of conduction slowing beyond axonal loss in diabetic neuropathy. Heliyon, 2024. 10(21): p. e39712.
15. Zhdanava, M., Pesa, J., Boonmak, P., Cai, Q., Pilon, D., Choudhry, Z., & **Souayah, N**. (2024). Economic burden of generalized myasthenia gravis (MG) in the United States and the impact of common comorbidities and acute MG-events. *Curr Med Res Opin*, *40*(7), 1145-1153
16. Naaldijk, Y., Sherman, L. S., Turrini, N., Kenfack, Y., Ratajczak, M. Z., **Souayah, N**., Rameshwar, P., & Ulrich, H. (2024). Mesenchymal Stem Cell-Macrophage Crosstalk Provides Specific Exosomal Cargo to Direct Immune Response Licensing of Macrophages during Inflammatory Responses. *Stem Cell Rev Rep*, *20*(1), 218-236
17. **Souayah, N**., Pahwa, A., Jaffry, M., Patel, T., Nasar, A., Chong, Z. Z., & Sander, H. W. (2023). Electrodiagnostic profile of conduction slowing in amyotrophic lateral sclerosis. Heliyon, 9(8), e18400. doi:10.1016/j.heliyon.2023.e18400
18. Chong ZZ, Menkes DL, **Souayah N**. Pathogenesis underlying hexanucleotide repeat expansions in C9orf72 gene in amyotrophic lateral sclerosis. Rev Neurosci 2023
19. Bril, Vera; Hadden, Robert; Brannagan, Thomas ; Bar, Michal; Chroni, Elisabeth; Rejdak, Konrad; Rivero, Alberto; Andersen, Henning; Latov, Norman; Levine , Todd; Pasnoor, Mamatha; Sacconi, Sabrina; **Souayah, Nizar**; Anderson-Smits, Colin; Duff, Kim; Greco, Erin; Hasan, Shabbir; Li, Zhaoyang; Yel, Leman; Ay, Hakan
    Hyaluronidase-facilitated subcutaneous immunoglobulin 10% as maintenance therapy for chronic inflammatory demyelinating polyradiculoneuropathy: The ADVANCE-CIDP 1 randomized controlled trial. J Peripher Nerv Syst 2023.
20. J. Bradley Layton, Mary E. Ritchey, Zhongwen Huang, Shailesh Chavan, Hakan Ay, **Nizar Souayah**; Colin Anderson-Smits. Intravenous Immunoglobulin Initiation in Patients with Chronic Inflammatory Demyelinating Polyradiculoneuropathy: A US Claims-based Cohort Study. Neurol Ther 2023;12:1171-1186.
21. Colin Anderson-Smits, Mary E. Ritchey, Zhongwen Huang, Shailesh Chavan, **Nizar Souayah**, Hakan Ay and J. Bradley Layton. Intravenous Immunoglobulin Treatment Patterns and Outcomes in Patients with Chronic Inflammatory Demyelinating Polyradiculoneuropathy: A US Claims Database Analysis. Neurol Ther 2023;12:1119-1132.
22. Jaffry M, Aftab O, Mostafa F, Faiz I, Jaffry K, Mandava K, Rosario S, Jedidi K, Khan H, **Souayah N**. Optic Neuritis After COVID-19 Vaccination: An Analysis of the Vaccine Adverse Event Reporting System. J Neuroophthalmol 2023.
23. Chong ZZ and **Souayah N**. Review on "Brain-targeted Autoimmunity is Strongly Associated with Long COVID and Its Chronic Fatigue Syndrome as Well as Its Affective Symptoms". Rapid Reviews Infectious Diseases, https://rrid.mitpress.mit.edu/pub/ahxlwdh2. Nov, 2023
24. Jaffry M, Menkes DL, Shaikh A, Mandava K, Kothari O, Jaffry K, **Souayah N**. Neonatal Fc Receptor Inhibitor Therapeutics in Neuromuscular Disease. J Clin Neuromuscul Dis 2023;24:188-198

25. Jaffry, M., F. Mostafa, K. Mandava, S. Rosario, Y. Jagarlamudi, K. Jaffry, J. Kornitzer, K. Jedidi, H. Khan and **N. Souayah** (2022). "No significant increase in Guillain-Barre syndrome after COVID-19 vaccination in adults: A vaccine adverse event reporting system study." Vaccine 40(40): 5791-5797.
26. Jaffry M, Mandava K, Shaikh A, Jaffry K, Kothari O, Menkes D, **Souayah N**. Neonatal Fc Receptor Inhibitor Therapeutics in Neuromuscular Disease. JCND.2022. In Press.
27. Jaffry M, Bouchachi S, Ahmed M, Gad SN, Sathe S, **Souayah N**. Expanding the Phenotypic Spectrum of Dejerine-Sottas Syndrome caused by the Trembler Mutation. Neurogenetics. 2022; In Press.
28. Jaffry M, Faiz I, Jaffry K, **Souayah N**. Neurological Manifestations of SARS-CoV-2 Infection and the Role of Complement Activation. Touch Neuro 2022.
29. Yacoub AH, Castro-Apolo R, Aziz D, BA, Suri C, Lee H, **Souayah N**. Facial Diplegia Associated with a Reversible Splenial Lesion due to Influenza B Viral Infection. HealthCare Research Journal Volume 3.2022.
30. Patlolla R, Malerba S; Abu Nasar, **Souayah N**. Nerve conduction studies: Normative data from side-to-side comparison (Accepted 2021) HealthCare Research Journal Volume 2
31. Malerba. S; Patlolla R; Ahadi S, Yacoub H, Lee Huey-Jen , Abu Nasar , **Souayah N**. Is Diabetes Mellitus Associated with Increased Prevalence of Central Nervous System Demyelination? A Retrospective MRI-Imaging Study (Accepted 2021). HealthCare Research Journal Volume 2
32. Chong ZZ, **Souayah N**. SARS-CoV-2 Induced Neurological Manifestations Entangles Cytokine Storm That Implicates For Therapeutic Strategies. Curr Med Chem 2021.
33. Thepmankorn P, Gomez F,El-Ghanem M, Abu, N, **Souayah N**. Influenza Vaccination and Occurrence of Guillain-Barré Syndrome in Adults: Analysis of Vaccine Safety Datalink (VSD) and Vaccine Adverse Event Reporting System (VAERS). HealthCare Research Journal Volume 2(1); January, 2021
34. Thepmankorn P, Bach J, Lasfar A, Zhao X, Souayah S, Chong ZZ, **Souayah N**. Cytokine storm induced by SARS-CoV-2 infection: The spectrum of its neurological manifestations. Cytokine. 2020;138:155404
35. Bach JR, Chiarello G, Weiss W, **Souayah N**. Is there value in using randomized placebo controlled trials in neuromuscular disease? Expert Rev Neurother. 2021;21(1):5-7
36. Chen, H. and **Souayah N**, Immunoglobulins Reduced Oxidative Stress in Human Microglial Cells Induced by High Dose of Acetoacetate. Brain Res, 2020: p. 147054.
37. Kornitzer, J., Abdulrazeq, H. F., Zaidi, M., Bach, J. R., Kazi, A., Feinstein, E., Dander, H.W, **Souayah, N**. (2020). Differentiating Flail Limb Syndrome from Amyotrophic Lateral Sclerosis. Am J Phys Med Rehabil. doi:10.1097/PHM.0000000000001438. PubMed PMID: 32251109
38. **Souayah N**, Pahwa A, Burawski L, Opila T, Sander HW. A Retrospective Analysis of the Safety Profile of Intravenous Immunoglobulin in 1176 Patients Receiving Home Infusion Therapy. J Clin Neuromuscul Dis, 2018.19 (4):p.181-195.
39. Yacoub HA, Goldstein I, El-Ghanem M, Sharer L, **Souayah N**. Spinal racemose cysticercosis: case report and review. Hosp Pract (1995) 2017:1-5.
40. El-Ghanem M, Malik A, Azzam A,. Yacoub HA, Qureshi AI, **Souayah N**, Occurrence of femoral nerve injury among patients undergoing transfemoral percutaneous catheterization procedures in the United States. J Vasc Interv Neurol, 2017. 9 (4): p. 54-58.

41. Al-Qudah ZA, Yacoub H, **Souayah N**. Cranial Nerve-VI Palsy as the Main Clinical Manifestation of Neurosarcoidosis. Neurologist 2016;21:109-111.
42. Opila T, George A, El-Ghanem M, **Souayah N**. Trends in Outcomes and Hospitalization Charges of Infant Botulism in the United States: A Comparative Analysis Between Kids' Inpatient Database and National Inpatient Sample. Pediatr Neurol 2017;67:53-58.
43. Chen H, Chong ZZ, De Toledo SM, Azzam EI, Elkabes S, **Souayah N**. Delayed activation of human microglial cells by high dose ionizing radiation. Brain Res 2016;1646:193-198.
44. Charles JA, **Souayah N**, Narayanaswami P, et al. Critically re-evaluating a common technique: Accuracy, reliability, and confirmation bias of EMG. Neurology 2016;87:645
45. Salameh, J.S., Deeb, W., Burawski, L., Wright, S. & **Souayah, N**. Safety and Efficacy of Subcutaneous Immunoglobulin in the Treatment of Neuromuscular Disorders. *J Clin Neuromuscul Dis* **17**, 110-119 (2016).
46. Al-Qudah ZA, Yacoub HA, **Souayah N**. Disorders of the Autonomic Nervous System after Hemispheric Cerebrovascular Disorders: An Update. J Vasc Interv Neurol 2015;8:43-52
47. Yacoub HA, Al-Qudah ZA, Khan HM, Farhad K, Ji AB, **Souayah N**. Trends in Outcome and Hospitalization Cost among Adult Patients with Acute Ischemic Stroke in the United States. J Vasc Interv Neurol 2015;8:19-23.
48. Quinn C, Salameh JS, Smith T, **Souayah N**. Necrotizing myopathies: an update. J Clin Neuromuscul Dis 2015;16:131-140.
49. Chen H, Goodus MT, de Toledo SM, Azzam EI, Levison SW, **Souayah N**. Ionizing Radiation Perturbs Cell Cycle Progression of Neural Precursors in the Subventricular Zone Without Affecting Their Long-Term Self-Renewal. ASN Neuro 2015;7.
50. Yacoub H, Al-Qudah ZA, **Souayah N**. Cranial neuropathies in sarcoidosis. Word Journal of Ophthalmology. 2015, 5(1)16-22.
51. Philip M, Kornitzer J, Marks D, Lee HJ, **Souayah N**. Alice in Wonderland Syndrome associated with a temporo-parietal cavernoma. Brain Imaging Behav 2015 Dec;9(4):910-2.
52. Yacoub HA, Al-Qudah ZA, and **Souayah N**. Cranial neuropathies in sarcoidosis. World Journal of Ophthalmology. February 12 2015;5(1):16-22.
53. Al-Qudah, Z, Yacoub HA, **Souayah N**. Serial Heart Rate Variability Testing for the Evaluation of Autonomic Dysfunction after Stroke. *J Vasc Interv Neurol* **7**, 12-17 (2014).
54. **Souayah N**, Siao Tick Chong P. Cervical Root Stimulation in anti-MAG (myelin associated glycoprotein) Neuropathy. Neurology and Clinical Neuroscience. Volume 1, Issue 6, 221-223, November 2013.
55. **Souayah** N, Noopur R, Siao Tick Chong P. Beneficial effects of Rituximab in patients with anti-MAG (Myelin Associated Glycoprotein) neuropathy: Case Reports. Immunopharmacology and Immunotoxicology. 2013 October;35 (5): 622-4.
56. Charles AJ, **Souayah N**. Electromyography and Nerve Conduction Studies in the Evaluation of Spine Trauma with Radicular Symptoms. Neurology: Clinical Practice February 2013; Vol 3 no 1 8-14.
57. Farhad K, Khan HM, Ji AB, Yacoub HA, Qureshi AI, **Souayah N**. Trends in outcomes and hospitalization costs for traumatic brain injury in adult patients in the United States. Journal of neurotrauma 2013;30:84-90.
58. **Souayah** N, Saadeh P, Krivitskaya N, Sander HW. Abnormal spontaneous muscle activity in plegic limb appears to initiate distal to the upper motor neuron: a case

report in a stroke patient. Journal of vascular and interventional neurology 2013;5:1-3.
59. **Souayah N**, YH, Khan H, Farhad K, Mehyar L, Maybodi L, Menkes D, Qureshi AI. Guillian-Barre Syndrome after Influenza Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2009). J Clin Neuromuscul Dis 2012;14:66-71.
60. Salameh JS, **Souayah N**, Chong PS. Role of Activity-Dependent Conduction Block in the Diagnosis of Primary Demyelinating Polyneuropathy. J Clin Neuromuscul Dis 2012;14:40-44.
61. Garcia CC, Potian JG, Hognason K, et al. Acetylcholinesterase Deficiency Contributes to Neuromuscular Junction Dysfunction in Type 1 Diabetic Neuropathy. Am J Physiol Endocrinol Metab 2012;303:E551-561.
62. **Souayah N**, Yacoub HA, Khan HM, et al. Analysis of Data From the CDC/FDA Vaccine Adverse Event Reporting System (1990-2009) On Guillain-Barre Syndrome After Hepatitis Vaccination in the USA. J Clin Neurosci 2012;19:1089-1092.
63. **Souayah N**, Shafiq Mehyar L, Khan HM, et al. Trends in Outcome And Hospitalization Charges of Adult Patients Admitted With Botulism in the United States. Neuroepidemiology 2012;38:233-236.
64. **Souayah N**, Yacoub HA, Khan HM, et al. Guillain-Barre Syndrome After H1N1 Vaccination in the United States: A Report Using the CDC/FDA Vaccine Adverse Event Reporting System (2009). Neuroepidemiology 2012;38:227-232.
65. Yacoub HA, Al-Qudahl ZA, Lee HJ, Baisre A, **Souayah N**. Tumefactive Multiple Sclerosis presenting as Acute Ischemic Stroke. J Vasc Interv Neurol 2011;4:21-23.
66. **Souayah N**, Hasan A, Khan HM, Yacoub HA, Jafri M. The safety profile of home infusion of intravenous immunoglobulin in patients with neuroimmunologic disorders. J Clin Neuromuscul Dis 2011;12 Suppl 4:S1-10.
67. **Souayah N**, Coakley KM, Chen R, Ende N, McArdle JJ. Defective neuromuscular transmission in the SOD1 G93A transgenic mouse improves after administration of human umbilical cord blood cells. Stem Cell Rev 2012;8:224-228.
68. **Souayah N**, Michas-Martin PA, Nasar A, et al. Guillain-Barre syndrome after Gardasil vaccination: data from Vaccine Adverse Event Reporting System 2006-2009. Vaccine 2011;29:886-889.
69. Bitel CL, Feng Y, **Souayah N**, Frederikse PH. Increased expression and local accumulation of the prion protein, Alzheimer Abeta peptides, superoxide dismutase 1, and nitric oxide synthases 1 & 2 in muscle in a rabbit model of diabetes. BMC Physiol 2010;10:18.
70. **Souayah N**, Hassan AE, Krivitskaya N, et al. Neurosarcoidosis presenting as an anterior horn syndrome. J Neuroimmunol 2010;225:132-136.
71. **Souayah N**, Khella SL. A prospective double-blind, placebo-controlled study of thalidomide sensory symptoms in an elderly population with age-related macular degeneration. J Clin Neurosci 2010;17:571-573.
72. **Souayah N**, Tick Chong PS. Asymmetric phenotype associated with rare myelin protein zero mutation. J Clin Neuromuscul Dis 2010;11:110-113.
73. Yacoub HA, Johnson WG, **Souayah N**. Serotonin syndrome after administration of milnacipran for fibromyalgia. Neurology 2010;74:699-700.
74. **Souayah N**, Ajroud-Driss S, Sander HW, Brannagan TH, Hays AP, Chin RL. Small fiber neuropathy following vaccination for rabies, varicella or Lyme disease. Vaccine 2009;27:7322-7325.
75. **Souayah N**, Nasar A, Suri MF, Qureshi AI. Guillain-Barre syndrome after vaccination in United States: data from the Centers for Disease Control and

Prevention/Food and Drug Administration Vaccine Adverse Event Reporting System (1990-2005). J Clin Neuromuscul Dis 2009;11:1-6.
76. **Souayah N**, Potian JG, Garcia CC, et al. Motor unit number estimate as a predictor of motor dysfunction in an animal model of type 1 diabetes. Am J Physiol Endocrinol Metab 2009;297:E602-608.
77. **Souayah N**, Nasar.A, MFK Suri, Kirmani J, Ezzeddine M QA. Trends in Outcomes and Hospitalization Charges Among Mechanically Ventilated Patients with Myasthenia Gravis in the United State. Int J Biomed Sci 2009;Volume 5:209-214.
78. **Souayah N**, Chin RL, Brannagan TH, et al. Effect of intravenous immunoglobulin on cerebellar ataxia and neuropathic pain associated with celiac disease. Eur J Neurol 2008;15:1300-1303.
79. **Souayah N**, Sharovetskaya A, Kurnellas MP, Myerson M, Deitch JS, Elkabes S. Reductions in motor unit number estimates (MUNE) precede motor neuron loss in the plasma membrane calcium ATPase 2 (PMCA2)-heterozygous mice. Exp Neurol 2008;214:341-346.
80. **Souayah N**, Nasar A, Suri MF, Qureshi AI. National trends in hospital outcomes among patients with Guillain-Barre syndrome requiring mechanical ventilation. J Clin Neuromuscul Dis 2008;10:24-28.
81. **Souayah N**, Krivitskaya N, Lee HJ. Lateral rectus muscle metastasis as the initial manifestation of gastric cancer. J Neuroophthalmol 2008;28:240-241.
82. **Souayah N**, Chodos A, Krivitskaya N, Efthimiou P, Lambert WC, Sharer LR. Isolated severe vasculitic neuropathy revealing sarcoidosis. Lancet Neurol 2008;7:756-760.
83. **Souayah N**, Cros D, Stein TD, Chong PS. Relapsing Guillain Barre Syndrome and nephrotic syndrome secondary to focal segmental glomerulosclerosis. J Neurol Sci 2008;270:184-188.
84. **Souayah N**, Bhatt M, Sander HW. Posterior antebrachial cutaneous nerve conduction study technique. Neurol Neurophysiol Neurosci 2007:5.
85. **Souayah N**, Tick Chong PS, Dreyer M, Cros D, Schmahmann JD. Myotonic dystrophy type 1 presenting with ventilatory failure. J Clin Neuromuscul Dis 2007;9:252-255.
86. **Souayah N**, Mian NF, Gu Y, Ilyas AA. Elevated anti-sulfatide antibodies in Guillain-Barre syndrome in T cell depleted at end-stage AIDS. J Neuroimmunol 2007;188:143-145.
87. **Souayah N**, Seltzer WK, Brannagan TH, Chin RL, Sander HW. Rare myelin protein zero sequence variant in late onset CMT1B. J Neurol Sci 2007;263:177-179.
88. **Khella SL**, Souyah N, Dalmau J. Thymoma, myasthenia gravis, encephalitis, and a novel anticytoplasmic neuronal antibody. Neurology 2007;69:1302-1303.
89. **Souayah N**, Nasar A, Suri MF, Qureshi AI. Guillain-Barre syndrome after vaccination in United States a report from the CDC/FDA Vaccine Adverse Event Reporting System. Vaccine 2007;25:5253-5255.
90. **Souayah N**, Sander HW, Menkes DL, Khella SL. Hepatitis C virus acute quadriparetic vasculitic neuropathy responsive to cyclophosphamide. Neurol Neurophysiol Neurosci 2006:5.
91. **Souayah N**, Karim H, Kamin SS, McArdle J, Marcus S. Severe botulism after focal injection of botulinum toxin. Neurology 2006;67:1855-1856.
92. **Moon JS**, Souayah N. Guillain-Barre syndrome triggered by influenza vaccination in a recipient of liver transplant on FK506. Liver Transpl 2006;12:1537-1539.
93. **Souayah N**, Sander HW. Lumbosacral magnetic root stimulation in lumbar plexopathy. Am J Phys Med Rehabil 2006;85:858-861.

94. **Souayah N**, Chong PS, Cros D. Acute sensory neuronopathy as the presenting symptom of Sjogren's syndrome. J Clin Neurosci 2006;13:862-865.
95. **Souayah N,** Khella SL. Low Dose of Cyclosporine in Myasthenia Gravis. J Clin Neuromuscul Dis. 2006;8:75-79. J Clin Neuromuscul Dis 2006;8:75-79.
96. Pavone P, Barbagallo M, Parano E, Pavone L, **Souayah N**, Trifiletti RR. Clinical Heterogeneity in Familial Congenital Ptosis: Analysis of Fourteen Cases in One Family Over Five Generations. Pediatr Neurol 2005;33:251-254.
97. **Ahmed S**, Kirmani JF, Janjua N, Alkawi A, Khatri I, Yahia AM, **Souayah N**, Qureshi AI. An Update on Myasthenic Crisis. Curr Treat Options Neurol 2005;7:129-141.
98. **Souayah N**, Greenstein JI. insights into Neurologic Localization by Rhazes, A Medieval Islamic Physician. Neurology 2005;65:125-128.
99. **Souayah N**, Sander HW. Bilateral Crocodile Tears after Guillain-Barre Syndrome. J Clin Neuromuscul Dis 2005;6:193-194.
100. Cunningham TJ, **Souayah N**, Jameson B, Mitchell J, Yao L. Systemic Treatment of Cerebral Cortex Lesions in Rats with a New Secreted Phospholipase A2 Inhibitor. J Neurotrauma 2004;21:1683-1691.
101. Khella SL, **Souayah N**. Hepatitis C: A Review of It's Neurologic Complications. Neurologist 2002;8:101-106.

B. Books, Monographs and Chapters

1. **Souayah, Nizar**, "Neurology Board Review", Fourth Edition. McGraw-Hill Publisher Companies, 2022 (Author and Editor under preparation).
2. **Souayah, Nizar**, "Neurology Board Review", Third Edition. McGraw-Hill Publisher Companies, 2017 (Author and Editor).
3. **Souayah Nizar**, "Peripheral Neuropathy- A new Insight into the Mechanism, Evaluation and Management of a Complex Disorder". INTECH Publishing Company. 2013 (Editor)
4. **Souayah, Nizar**, "Neurology Board Review", Second Edition. McGraw-Hill Publisher Companies, 2010 (Author).
5. **Souayah, Nizar**. Idiopathic Inflammatory Myopathy. British medical journal. Point of Care (2008).
6. **Souayah, Nizar,** "Neurology Board Review". McGraw-Hill Publisher Companies, 2004 (Author).

C. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional Communications

Souayah, Nizar, "Resistance to Activated C protein" (thesis work. Medical school of Strasbourg, France) 1997.

Souayah, Nizar, "Aseptic Meningitis" (Thesis Work). Medical School of Tunis. Tunisia 1990.

***D.* Abstracts**

1. Choudhry, Z., Park, M., Narayanaswami, P., Souayah, N., Govindarajan, R., Kutch, M., Zurinaga Gutierrez, A., Chekroun Martinot, A., Campbell, N. and Nowak, R. (2025). Identifying risk factors for exacerbation and symptom worsening—A retrospective cohort study of patients with myasthenia gravis in the United States. American Academy of Neurology Annual Meeting 2025, Poster Session P1: Neuromuscular and Clinical Neurophysiology (EMG): Myasthenia Gravis 1, Abstract P1.01

2. Jackson, L., Pesa, J., Campbell, A., Souayah, N. and Liu, Z. (2025). Healthcare costs in a commercially insured population of patients with generalized myasthenia gravis and related clinical events. American Academy of Neurology Annual Meeting 2025, Poster Session P4: Autoimmune Neurology – Peripheral Autoimmune Neurology, Abstract P4.001.

3. Liu, Z., Jackson, L., Pesa, J., Campbell, A., Choudhry, Z. and Souayah, N. (2025). Complications in patients with myasthenia gravis treated with oral corticosteroids. American Academy of Neurology Annual Meeting 2025, Poster Session P4: Autoimmune Neurology – Peripheral Autoimmune Neurology, Abstract P4.007.

4. Sharma, R., Jaffry, K., Souayah, N. and Hillen, M. (2025). Impact of diabetes mellitus on clinical outcomes in chronic inflammatory demyelinating polyneuropathy. American Academy of Neurology Annual Meeting 2025, Poster Session P10: Neuromuscular and Clinical Neurophysiology (EMG): Acquired Neuropathies 2, Abstract P10.029.

5. Saverino, Kelly Chong, Zhao Zhong Wardell, Joseph Jaffry, Kazim Patel, Tejas Nasar, Abu Pahwa, Ankit Sander, Howard Souayah, Nizar. [1]ion Equation Analysis Enhances Detection of Conduction Slowing Beyond Exclusive Axonal Loss in Diabetic Distal Symmetrical Polyneuropathy .76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
6. Bellacicco, Nicholas Sharma, Roopa Lodato, Zachary Jaffry, Kazim Sander, Howard Souayah, Nizar . Neurologic Complications of Surfing: A Scoping Literature and Medical Record Review. 76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
7. Wardell, Joseph Saverino, Kelly Philip, Belinda Jaffry, Kazim Pahwa, Ankit Menkes, Daniel Chong, Zhao Zhong Souayah, Nizar. Is There an Association Between Serum Neurofilament Light Chain Levels and Conduction Slowing in Type 2 Diabetic Distal Symmetrical Polyneuropathy?76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
8. Jaffry, Kazim Karpenos, Scott Lin, James Matos, Justin Jaffry, Narjis Islam, Suhayb Mandava, Kranthi Souayah, Nizar. Climate Change Associated with Declining Clinical Outcomes in Myasthenia Gravis for US States with the Greatest Temperature Increase. 76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
9. Zhdanava, Maryia Pesa, Jacqueline Boonmak, Porpong Schwartzbein, Samuel Cai, Qian Pilon, Dominic Choudhry, Zia Lafeuille, Marie-Hélène Lefebvre, Patrick Souayah, Nizar. Pre-diagnosis Predictors of High Health Care Cost Among Patients with Myasthenia Gravis Using a Combined Machine-learning and Regression Approach. 76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
10. Jaffry, Kazim Saverino, Kelly Wardell, Joseph Philip, Belinda Pahwa, Ankit Menkes, Daniel Chong, Zhao Zhong Souayah, Nizar . Identification of New Biomarkers in Diabetic Distal Symmetrical Polyneuropathy with Conduction Slowing: A Prospective Proteomics Analysis.76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
11. Saverino, Kelly Wardell, Joseph Jaffry, Kazim Jaffry, Mustafa Islam, Suhayb Menkes, Daniel Souayah, Nizar . Clinical and Biological Markers of Conduction Slowing in Diabetic Distal Symmetrical Polyneuropathy: A Prospective Study.76th American

Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.

12. Wardell, Joseph Chong, Zhao Zhong Saverino, Kelly Jaffry, Kazim Philip, Belinda Patel, Tejas Nasar, Abu Pahwa, Ankit Menkes, Daniel Souayah, Nizar. Lipidomic Biomarkers in Diabetic Distal Symmetrical Polyneuropathy with Conduction Slowing. 76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
13. Sharma, Roopa Jaffry, Kazim Matos, Justin Karpenos, Scott Lin, James Jaffry, Narjis Islam, Suhayb Mandava, Kranthi Menkes, Daniel Souayah, Nizar. Rhabdomyolysis in Acute COVID-19 Infection: A Descriptive Outcomes Analysis. 76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
14. Sharma, Roopa Menkes, Daniel Jaffry, Kazim Faiz, Iqra Souayah, Nizar. Natural History of Acquired Demyelination in Diabetic Distal Symmetric Polyneuropathy.76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
15. Souayah, Nizar Brethenoux, Caroline DeLuca, Alyssa Pesa, Jacqueline Jackson, Louis Choudhry, Zia Fuery, Patrick Alvarez, Rosario González Quijano, Laura Lorenzo, Alex Anderson, Ashley. Sentiment Analysis of Digital Conversations Related to Myasthenia Gravis by Race/Ethnicity. 76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado
16. Lin, James Jaffry, Kazim Islam, Suhayb Karpenos, Scott Jaffry, Narjis Matos, Justin Menkes, Daniel Souayah, Nizar . Associations Between Interleukin-6 (IL-6) and the Outcomes of Post-acute Sequelae of COVID-19 (PASC): An EPIC Electronic Medical Record System Retrospective Study.76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
17. Souayah, Nizar Brethenoux, Caroline DeLuca, Alyssa Pesa, Jacqueline Jackson, Louis Choudhry, Zia Fuery, Patrick Alvarez, Rosario González Quijano, Laura Lorenzo, Alex Anderson, Ashley. Sentiment Analysis of Digital Conversations Related to Myasthenia Gravis by Race/Ethnicity. 76th American Academy of Neurology Annual Meeting 2024 from April 13 to 18, 2024, in Denver, Colorado.
18. Souayah N, Brethenoux C, DeLuca A, et al. Sentiment Analysis Of Digital Conversations Related To Myasthenia Gravis By Race/Ethnicity. Muscle & Nerve. Sep 2024;70(3):679-679
19. Sharma R, Jaffry K, Souayah N. Impact Of Diabetes Mellitus On Clinical Outcomes In Chronic Inflammatory Demyelinating Polyneuropathy. Muscle & Nerve. Sep 2024;70(3):496-496
20. Sharma R, Jaffry K, Sabra A, et al. Evaluating Efgartigimod's Impact On Myasthenia Gravis: Insights From A Comparative Study And Cosmos-Epic Data. Muscle & Nerve. Sep 2024;70(3):496-496
21. Sabra A, Sharma R, Jaffry K, Aboussalah AM, Souayah N. Evaluating Efgartigimod's Impact on Myasthenia Gravis: Insights from a Comparative Study and COSMOS-EPIC Data. Annals of Neurology. Sep 2024;96:S81-S81
22. Jaffry M, Mandava K, Jaffry K, et al. Association of Diabetic Retinopathy with Amputation in Patients with Diabetic Neuropathy. Investigative Ophthalmology & Visual Science. Jun 2024;65(7)
23. Jaffry K, Pahwa A, Souayah N. Unveiling Demyelination In Diabetic Neuropathy: Revolutionizing Conduction Slowing Detection With An Intuitive Application Tool. Muscle & Nerve. Sep 2024;70(3):454-454
24. Jaffry K, Matos J, Jaffry N, et al. Impact Of Elevated Interleukin-6 (Il-6) In Patients With Covid-19 And Acute Muscle Injury: A Retrospective Analysis. Muscle & Nerve. Sep 2024;70(3):454-454

25. Jaffry K, Matos J, Jaffry N, et al. Disability And Mortality In Long Haul Covid-19 Patients With Rhabdomyolysis During The Acute Phase Of Covid-19 Infection. Muscle & Nerve. Sep 2024;70(3):453-453
26. Jaffry K, Jaffry N, Matos J, et al. Mortality And Morbidity Of Post-Acute Sequelae Of Covid-19 Patients With Cranial Neuropathies. Muscle & Nerve. Sep 2024;70(3):453-453.
27. Jackson L, Liu ZW, Pesa J, et al. Factors Influencing Exacerbations And Crises In Generalized Myasthenia Gravis: Findings From A Claims Database Study. Muscle & Nerve. Sep 2024;70(3):550-550
28. Jackson L, Liu ZW, Pesa J, et al. Factors Influencing Exacerbations And Crises In Generalized Myasthenia Gravis: Findings From A Claims Database Study. Muscle & Nerve. Sep 2024;70(3):680-680
29. Goyal N, Govindarajan R, Rodriguez R, et al. Leveraging Ai To Characterize Mental Health Experiences Throughout The Myasthenia Gravis Diagnosis Journey. Muscle & Nerve. Sep 2024;70(3):522-522
30. Govindarajan R, Rodriguez RD, Choudhry Z, et al. Leveraging Ai To Characterize Mental Health Experiences Throughout The Myasthenia Gravis Diagnosis Journey. Muscle & Nerve. Sep 2024;70(3):677-677.
31. Jaffry M, Mandava K, Jaffry K, Ors M, Shaikh A, Trivedi R, Faiz I, Gerges F, Boufadel M, Souayah N. Effect of Human Immunodeficiency Virus Infection on the Incidence and Severity of Neurological Post-Acute Sequelae of COVID-19. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
32. Bellacicco N, Jaffry M, Benalcazar J, Mandava K, Mostafa F, Khan H, Souayah N. No Association Between Non-arteritic Anterior Ischemic Optic Neuropathy and COVID-19 Vaccination. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
33. Shaikh A, Jaffry M, Trivedi R, Mandava K, Jaffry K, Ors M, Faiz I, Gerges F, Boufadel M, Souayah N. Long Term Follow Up of Patients with Stroke after SARS-CoV-2 Infection and Incidence of Neurological Post-Acute Sequelae of COVID-19. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
34. Trivedi R, Jaffry M, Faiz I, Ors M, Mandava K, Jaffry K, Shaikh A, Surathi P, Tofade T, Huff E, Redko S, Souayah N. Critically Elevated Interleukin-6 (IL-6): A Prognostic Biomarker for Post-Acute Sequelae of COVID-19 (PASC)? American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
35. Jaffry M, Jaffry K, Mandava K, Shaik A, Trivedi R, Ors M, Faiz I, Pahwa A, Patel T, Nasar A, Sandar H, Souayah N. Motor Nerve Conduction Slowing in Diabetic Distal Symmetrical Polyneuropathy: A Novel Approach. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
36. Mandava K, Shaikh A, Jaffry M, Jaffry K, Ors M, Trivedi R, Faiz I, Gandhi A, Patel T, Nasar A, Pahwa A, Sandar H, Souayah N. Motor Nerve Conduction Slowing in Amyotrophic Lateral Sclerosis. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
37. Ors M, Jaffry M, Jaffry K, Mandava K, Trivedi R, Shaikh A, Faiz I, Souayah N. Association Between Amyotrophic Lateral Sclerosis Age at Diagnosis and Comorbid Conditions. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
38. Jaffry K, Jaffry M, Trivedi R, Ors M, Mostafa F, Shaikh A, Mandava K, Faiz I, Khan H, Souayah N. Global Mortality of Chronic Inflammatory Demyelinating Polyneuropathy Patients Treated with Intravenous Immunoglobulin versus Steroid Therapies. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 20
39. Mandava K, Jaffry K, Jaffry M, Shaikh A, Trivedi R, Ors M, Faiz I, Ali RM, Mostafa F, Khan H, Souayah N. Mortality in Mechanically Ventilated Myasthenia Gravis Adult

Patients: Comparing Intravenous Immunoglobulin vs Steroids. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023

40. Faiz I, Jaffry N, Mandava S, Jaffry M, Trivedi R, Mandava K, Shaikh A, Jaffry K, Ors M, Surathi P, Tofade T, Huff E, Redko S, Souayah N. Creatine Kinase in SARS-CoV-2-Related Encephalopathy as a Prognostic Biomarker for Post-Acute Sequelae of COVID-19 (PASC). American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
41. Shaikh A, Choudhry H, Choudhry H, Jaffry K, Trivedi R, Mandava K, Jaffry M, Ors M, Faiz I, Souayah N. Effect of Treatments on All-Cause of Mortality in Chronic Inflammatory Demyelinating Polyneuropathy. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
42. Jaffry K, Shaikh A, Jaffry M, Mandava K, Trivedi R, Ors M, Faiz I, Patel T, Pahwa A, Chen H, Cunningham T, Sander H, Souayah N. Novel Biomarker for Demyelination in Diabetic Distal Symmetric Polyneuropathy: A Prospective Study. American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
43. Ors M, Shaikh A, Jaffry M, Mandava K, Jaffry K, Trivedi R, Faiz I, Gerges F, Boufadel M, Souayah N. Association between Diabetic Control (HbA1C) and the Risk of Developing Neurological Post-Acute Sequelae of COVID-19 (PASC). American Academy of Neurology Annual Meeting 2023; Boston, Massachusetts April 22-27, 2023
44. Ors M, Trivedi R, Jaffry M, Ahmed M, Sun B, Mandava K, Souayah N. Association Between Pfizer-BioNTech COVID-19 Vaccination and Myopathy in Pediatric Patients: A Vaccine Adverse Event Reporting System (VAERS) Study. American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.
45. Ors M, Jaffry M, Jaffry K, Trivedi R, Ahmed M, Sun B, Mandava K, Souayah N. Association of Guillain-Barré Syndrome after Pfizer-BioNTech COVID-19 Vaccination in Pediatric Patients: A Vaccine Adverse Event Reporting System (VAERS) Study. American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.
46. Trivedi R, Ors M, Jaffry M, Ahmed M, Sun B, Mandava K, Souayah N. Myasthenia Gravis Patients With COVID-19 Infection and Recent Rituximab Therapy– A Prognostic Factor for Readmission? American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.
47. Sun B, Mandava K, Ors M, Jaffry M, Ahmed M, Souayah N. Guillan-Barre Syndrome after COVID-19 Vaccination: A Case Series Study. American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.
48. Ahmed M, Jaffry M, Ors M, Trivedi R, Sun B, Mandava K, Souayah N. Kinetics of Creatinine Kinase as a Predictor for COVID-19 Outcomes. American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.
49. Ahmed M, Ors M, Jaffry M, Sun B, Trivedi R, Mandava K, Souayah N. Do Dihydropyridine Calcium Channel Blockers Increase the Risk of Neuromuscular Complications in Patients with SARS-CoV-2? American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.
50. Jaffry M, Ahmed M, Ors M, Sun B, Trivedi R, Mandava K, Souayah N. Diabetic Neuropathy: A Prognostic Factor for COVID-19? American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.

51. Kothari O, Mandava K, Jaffry M, Rahim M, Souayah N. Is COVID-19 Vaccination Associated with an Increased Reporting Rate of Myasthenic Crisis? A Vaccine Adverse Event Reporting System (VAERS) Study. Myasthenia Gravis Scientific Session at American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.
52. Kothari O, Jaffry M, Mandava K, Menon P, Rahim M, Jaffry N, Souayah N. Ocular Myasthenia Reporting Rate After COVID-19 Vaccination. Myasthenia Gravis Scientific Session at American Academy of Neuromuscular and Electrodiagnostic Medicine Annual Meeting 2022. Nashville, Tennessee, September 21-24, 2022.
53. Jaffry M, Choudhry H, Kothari O, Mandava K, Jaffry K, Ahmed M, Ors M, Ahmed A, Trivedi R, Souayah N. Diabetic Retinopathy as an Independent Prognostic Factor: An Inpatient COVID-19 Cohort Study. World of Ophthalmology Congress 2022. Virtual, September 9- 12 2022.
54. Mustafa Jaffry, Tarek Elshourbagy, Kranthi Mandava, Samar Eldahtoury, Mawj Al-Ani, Ayatalla Ahmed, Jeffrey Kornitzer, Nizar Souayah. No Significant Increase of Guillain-Barré Syndrome after COVID-19 Vaccination in Adults: A Vaccine Adverse Event Reporting System (VAERS) Study. Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
55. Kranthi Mandava, Mustafa Jaffry, Sanjana Rosario, Kamel Jedidi, Nizar Souayah Association Between COVID-19 Vaccination and Rhabdomyolysis in Adults: A Vaccine Adverse Event Reporting System (VAERS) Study. Accepted as a platform presentation. AAN Annual Meeting Seattle 2022
56. Mustafa Jaffry, Kranthi Mandava, Sanjana Rosario, Kamel Jedidi, Nizar Souayah Association Between COVID-19 Vaccination and Optic Neuritis in Adults: A Vaccine Adverse Event Reporting System (VAERS). Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
57. Jorge Rodriguez Lee, Mustafa Jaffry, Kranthi Mandava, Sanjana Rosario, Tarek Elshourbagy, Kazim Jaffry, Kamel Jedidi, Nizar Souayah. Investigating the relationship of Miller Fisher Syndrome and COVID-19 Vaccination: A Vaccine Adverse Event Reporting (VAERS) Study. Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
58. Kazim Jaffry, Kranthi Mandava, Mustafa Jaffry, Sanjana Rosario, Kamel Jedidi, Nizar Souayah Reporting Rates of Encephalopathy Post-COVID-19 Vaccination: A Vaccine Adverse Event Reporting System (VAERS). Accepted as a platform presentation. AAN Annual Meeting Seattle 2022
59. Jorge Rodriguez Lee, Mustafa Jaffry, Kranthi Mandava, Sanjana Rosario, Kazim Jaffry, Kamel Jedidi, Nizar Souayah. Is COVID-19 Vaccination Associated with an Increased Reporting Rate of Myasthenia Gravis? A Vaccine Adverse Event Reporting System (VAERS) Study. Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
60. Kazim Jaffry, Kranthi Mandava, Mustafa Jaffry, Sanjana Rosario, Kamel Jedidi, Nizar Souayah. Investigating Cerebral Sinus Venous Thrombosis after COVID-19 Vaccination in Adults. Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
61. Tarek Elshourbagy, Mustafa Jaffry, Kranthi Mandava, Kazim Jaffry, Jorge Rodriguez Lee1, Mawj Al-Ani, Mustafa Turkmani, Samar Eldahtoury, Ayatalla Ahmed, Ahmed Omran, Youssef Ali, Hagar Abuelazm5, Nizar Souayah. Guillain-

Barre Syndrome after Influenza Vaccination in Adults. Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.

62. Yueqing Zhang, Sanjila Islam, Kranthi Mandava, Mustafa Jaffry, Nizar Souayah. Is There Any Association Between the Prevalence of ALS and Exposure to Hazardous Wastes? A Statewide Planning and Research Cooperative System (SPARCS) Study (2002-2014). Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
63. Sanjila Islam, Yueqing Zhang, Mustafa Jaffry, Kranthi Mandava, Nizar Souayah. Spatial Association between Myasthenia Gravis and Hazardous Waste Sites: A Statewide Planning and Research Cooperative System (SPARCS) Study (2002-2014). Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
64. Kranthi Mandava, Mustafa Jaffry, Fahad Bin Mostafa, Kazim Jaffry, Hafiz Khan, Nizar Souayah. Machine Learning Analysis of Anosmia and Ageusia after COVID-19 Vaccination: A Vaccine Adverse Event Reporting System (VAERS) Study. Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
65. Yueqing Zhang, Sanjila Islam, Mustafa Jaffry, Kranthi Mandava, Kazim Jaffry, Nizar Souayah. Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) and Hazardous Waste Sites? A Statewide Planning and Research Cooperative System (SPARCS) Study
    A Statewide Planning and Research Cooperative System (SPARCS) Study 1998-2014. Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
66. Steve Gad, Mohsen Ahmed, Mustafa Jaffry, Kranthi Mandava, Kazim Jaffry, Nizar Souayah. Is Rhabdomyolysis after SARS-CoV-2 infection a Factor of Poor Prognosis? Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.

67. Steve Gad, Kranthi Mandava, Mustafa Jaffry, Mohsen Ahmed, Kazim Jaffry, Nizar Souayah. Do Neurological Manifestations Following SARS-CoV-2 Infection Beget A Poor Prognosis? Study Accepted as a platform presentation. AAN Annual Meeting Seattle 2022.
68. Pratibha Surathi, Sviatoslav Redko, Toluwalase Tofade, Evan Huff, Mustafa Jaffry, Kranthi Mandava, Jeffrey Kornitzer, Nizar Souayah. Are Elevated Interleukin-6 Serum Levels Associated with Increased Encephalopathy and In-hospital Mortality rates in SARS-CoV2 Patients. Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
69. Tarek Elshourbagy, Kranthi Mandava, Mustafa Jaffry, Nizar Souayah. Guillain-Barre Syndrome after HPV Vaccination: A Report from the Vaccine Adverse Event Reporting System (VAERS) (2006-2021). Study Accepted as a platform presentation. AAN Annual Meeting Seattle 2022.
70. Jeffrey Kornitzer….Nizar Souayah Association Between COVID-19 Vaccination and Cerebrovascular Accidents in Adults: A Vaccine Adverse Event Reporting System (VAERS) Study. Study Accepted as a platform presentation. AAN Annual Meeting Seattle 2022.

71. Jeffrey Kornitzer….Nizar Souayah Anosmia and Ageusia after COVID-19 vaccination in Pediatrics Population: A Vaccine Adverse Event Reporting System (VAERS) Study. Study Accepted as a poster presentation. AAN Annual Meeting Seattle 2022.
72. Arismendi G, Thepmankorn P, Malerba S, Heshmati K, Patlolla R, Souayah S, et al. Association Between Acute Skeletal Muscle Injury And COVID-19 Patient Outocomes. Muscle & Nerve. 2021;64:S19-S.
73. Thepmankorn P, Heshmati K, Malerba S, Patlolla R, Arismendi G, Ruane C, et al. Cranial Nerve Manifestations And Outcomes Among COVID-19 Patients. Muscle & Nerve. 2021;64:S13-S.
74. Thepmankorn P, Jedidi N, Souayah S, Nasar A, Souayah N. MYOPATHY AFTER Influenza Vaccination: Reports To The Vaccine Adverse Event Reporting System. Muscle & Nerve. 2021;64:S12-S.
75. Thepmankorn P, Patlolla R, Heshmati K, Malerba S, Arismendi G, Souayah S, et al. Association Between Myasthenia Gravis And Outcomes In COVID-19 Patients. Muscle & Nerve. 2021;64:S12-S.
76. Claire Ruane[1], Parisorn Thepmankorn[1], Keyvan Heshmati[1], Stefano Malerba [1], Rishita Patlolla[1], Gabriel Arismendi[1], Sami Souayah[1], Nabil Adam[2], Nizar Souayah[1]
[1]Rutgers New Jersey Medical School, [2]Rutgers University: Encephalopathy After SARS-CoV-2 Infection: A Cerner Real-World COVID-19 De-identified Dataset Analysis. (Accepted AAN annual meeting 2021)
77. Rishita Patlolla[1], Parisorn Thepmankorn[1], Keyvan Heshmati[1], Stefano Malerba[1], Claire Ruane[1], Gabriel Arismendi[1], Sami Souayah[1], Nabil Adam[2], Nizar Souayah[1]
[1]Rutgers New Jersey Medical School, [2]Rutgers University: Myasthenia Gravis After SARS-CoV-2 Infection: A Cerner Real-World COVID-19 De-identified Dataset Analysis. (Accepted AAN annual meeting 2021)
78. Claire Ruane[1], Parisorn Thepmankorn[1], Keyvan Heshmati[1], Stefano Malerba[1], Rishita Patlolla[1], Gabriel Arismendi[1], Sami Souayah[1], Nabil Adam[2], Nizar Souayah[1]
[1]Rutgers New Jersey Medical School, [2]Rutgers University: Cranial Nerves Manifestations of SARS-CoV-2 Infection: A Cerner Real-World COVID-19 De-identified Dataset Analysis. (Accepted AAN annual meeting 2021)
79. Stefano Malerba [1], Parisorn Thepmankorn[1], Keyvan Heshmati[1], Rishita Patlolla[1], Claire Ruane[1], Sami Souayah[1], Nabil Adam[2], Nizar Souayah[1]
[1]Rutgers New Jersey Medical School, [2]Rutgers University: Acute Skeletal Muscle Injury after SARS-CoV-2 Infection: A Cerner Real-World COVID-19 De-identified Dataset Analysis. (Accepted AAN annual meeting 2021)
80. Nour Jedidi[1], Parisorn Thepmankorn[2], Sami Souayah[2], Abu Nasar[2], Nizar Souayah[2]
[1]Carnegie Mellon University, [2]Rutgers New Jersey Medical School: Myopathy after Influenza Vaccination in the United States: A CDC/FDA Vaccine Adverse Event Reporting System Study, 1990-2018. (Accepted AAN annual meeting 2021)
81. Keyvan Heshmati[1], Abu Nasar[1], Gabriel Arismendi[1], Claire Ruane[1], Parisorn Thepmankorn[1], Nizar Souayah[1]
[1]Neurology, Rutgers New Jersey Medical School: All-cause Mortality in Patient with Chronic Inflammatory Demyelinating Polyneuropathy after Immunomodulatory Therapy versus No Treatment. (Accepted AAN annual meeting 2021)
82. Colin Anderson-Smits[1], J. Bradley Layton[2], Mary E. Ritchey[3,4], Vanessa Hayden[1], Shailesh Chavan[1], Nizar Souayah[5]
[1]Takeda, Cambridge, MA, USA, [2]RTI International, Research Triangle Park, NC, USA, [3]Med Tech Epi, LLC, Philadelphia, PA, USA, [4]Center for Pharmacoepidemiology and Treatment Sciences, Rutgers University, New Brunswick, NJ, USA, [5]Department of

Neurology, Rutgers University, Newark, NJ, USA: Patient and Treatment Characteristics of a Large US Sample of Patients With Chronic Inflammatory Demyelinating Polyradiculoneuropathy (CIDP) Initiating Intravenous Immunoglobulin (IVIG) Therapy.(Accepted AAN annual meeting 2021)

83. Sami Souayah[1], Parisorn Thepmankorn[1], Nour Jedidi[2], Abu Nasar[1], Nizar Souayah[1] [1]Rutgers New Jersey Medical School, [2]Carnegie Mellon University: Encephalopathy after Gardasil Vaccination: A Vaccine Adverse Event Reporting System Study 2006-2019. (Accepted AAN annual meeting 2021)
84. Nour Jedidi[1], Parisorn Thepmankorn[2], Sami Souayah[2], Abu Nasar[2], Nizar Souayah[2] [1]Carnegie Mellon University, [2]Rutgers New Jersey Medical School. Encephalitis after Influenza Vaccination in the United States: A CDC/FDA Vaccine Adverse Event Reporting System Study, 1990-2018. (Accepted AAN annual meeting 2021)
85. Parisorn Thepmankorn[1], Keyvan Heshmati[1], Claire Ruane[1], Basit Shafiq[1], Tarek Adam [2], Nabil Adam[3], Nizar Souayah[1]
[1]Rutgers New Jersey Medical School, [2]NYU Langone, [3]Rutgers University. Neurological Manifestations of SARS-CoV-2 Infection in Type 2 Diabetes. (Accepted AAN annual meeting 2021)
86. Parisorn Thepmankorn[1], Keyvan Heshmati[1], Sami Souayah[1], Basit Shafiq[1], Tarek Adam[2], Nabil Adam[3], Nizar Souayah[1]
[1]Rutgers New Jersey Medical School, [2]NYU Langone, [3]Rutgers University. Effect of Neurological Manifestations on SARS-CoV-2 Infection Prognosis using Machine Learning Models. (Accepted AAN annual meeting 2021)
87. Malerba S, Patlolla R, Abu Nasar, Heshmati K, Souayah N. Factors Associated With Mortality In Patients With Myasthenia Gravis: Analysis Of New York Statewide Planning And Research Cooperation System (Sparcs) Data 1998-2014. (Accepted AANEM annual meeting 2020).
88. Patlolla R , Malerba S, Abu Nasar, Heshmati K, Souayah N. Does The Choice Of Therapeutic Intervention Impact Mortality Of Mechanically Ventilated Myasthenia Gravis Patients? A New York Statewide Planning And Research Cooperation System (SPARCS) Data 1998-2014 Analysis. (Accepted AANEM annual meeting 2020).
89. Heshmati K, Abu Nasar, Patlolla R, Malerba S, Souayah N. Independent Co-Morbid Factors Associated With Mortality In Guillain-Barre Syndrome: Analysis Of New York Statewide Planning And Research Cooperation System (SPARCS) Data 1998-2014(Accepted AANEM annual meeting 2020).
90. Patlolla R, Malerba S, Souayah N. Nerve conduction studies: normative data from side-to-side comparison. (Accepted AANEM annual meeting 2020).
91. Heshmati K, Abu Nasar, Malerba S, Patlolla R, Souayah N. Independent Co-Morbid Factors Associated With Respiratory Failure Following Guillain-Barre Syndrome. (Accepted AANEM annual meeting 2020).
92. Souayah S, Chen H, Souayah N. Effects of EphB4-HAS on Human Microglial Cell Line. (Accepted for AAN annual meeting 2020).
93. Chen C, Johnson J, Hidalgo A, Souayah N, Pak J, Marks D. Spontaneous intracranial hemorrhage and acute multiple bilateral subcortical infarcts, a case of possible CADASIL. (Accepted for AAN annual meeting 2020).
94. Sanghani N, Maybodi L, Souayah N. A Novel SPG11 mutation causing Charcot- Marie-Tooth Disease Type 2. (Accepted for AAN annual meeting 2020).
95. Chen H, Souayah N. Ketone Bodies Induce Oxidative Stress and Apoptosis on Human Microglial Cell Line. (Accepted for AAN annual meeting 2020)
96. Chen H, Souayah N. Immunoglobulins Modulated Oxidative Stress and Cytokines Expression in Human Microglial Cells Induced by Ketone Bodies. (Accepted for AAN annual meeting 2020).

97. Anderson-Smits C, Layton B, Ritchey M, Hayden V, Sehinovych I, Chavan S, Souayah N. Patient and Treatment Characteristics of a Large US Sample of Patients With Chronic Inflammatory Demyelinating Polyradiculoneuropathy (CIDP) Initiating Intravenous Immunoglobulin (IVIG) Therapy. (Accepted for AAN annual meeting 2020).
98. Hilmi, K. M. A., K. Nolasco, and N. Souayah. "Miller-Fisher Syndrome after Vaccination in the United States: A Centers for Disease Control and Prevention/Food and Drug Administration Vaccine Adverse Event Reporting System Study, 1999-2017." *Muscle & Nerve* 60 (Sep 2019): S34-S34.
99. Islam, S., Y. Q. Zhang, K. Nolasco, J. Vaidya, V. Atluri, B. Shafiq, and N. Souayah. "Is There an Association between Chronic Inflammatory Demyelinating Polyneuropathy and Other Autoimmune Disorders? A New York State Planning and Research Cooperation System Database Analysis." Muscle & Nerve 60 (Sep 2019): S77-S77
100. Sheikh, S., K. Nolasco, A. Nasar, and N. Souayah. "Are the Choices of Therapeutic Options for the Management of Myasthenia Gravis Crisis with Acute Respiratory Failure Influenced by the Patient's Age: A New York State Planning and Research Cooperation." Muscle & Nerve 60 (Sep 2019): S52-S52.
101. Sheikh, S., K. Nolasco, A. Nasar, and N. Souayah. "Are There Gender Differences in the Outcomes of Myasthenia Gravis Crisis Treatment? A New York State Planning and Research Cooperation System Database Analysis (1998-2014)." Muscle & Nerve 60 (Sep 2019): S53-S53
102. Zhang, Y. Q., K. Nolasco, S. Islam, J. Vaidya, V. Atluri, B. Shafiq, and N. Souayah. "Trends in the Management of Chronic Inflammatory Demyelinating Polyneuropathy: A Statewide Planning and Research Cooperative System Study 2002-2014." Muscle & Nerve.
103. Chen H, Souayah N. In vitro Microglia Cell Line and Human Mesenchymal Stem Cells Viability IS Inhibited by Hydrogen Gas. (Accepted for AAN annual meeting 2019, Philadelphia, PA).
104. Bouchachi S, Souayah N. Extending The Clinical Spectrum of Dejerine Sottas Syndrome: A new Family With Cognitive Impairment And Hearing Loss Carrying Trembler Mutation. (Accepted for AAN annual meeting 2019, Philadelphia, PA).
105. Nolasco K, Souayah N. Guillain- Barré Syndrome following Influenza Vaccination in the United States: A CDC/FDA Vaccine Adverse Event Reporting System Study, 1990-2016. (Accepted for AAN annual meeting 2019, Philadelphia, PA).
106. Zhang Y, Nolasco K, Islam S, Vaidya J, Atluri V, Shafiq B, Souayah N. Trends In Outpatient And Hospitalization Charges Relevant To the Management of Chronic Inflammatory Demyelinating Polyneuropathy: A Statewide Planning and Research Cooperative System (SPARCS) Study 2002-2014. (Accepted for AAN annual meeting 2019, Philadelphia, PA).
107. Zhang Y, Nolasco K, Islam S, Vaidya J, Atluri V, Shafiq B, Souayah N. Long Term Differential Outcomes of CIDP Patients After Using IVIG, Plasmapheresis, Or Corticosteroids: A Statewide Planning and Research Cooperative System (SPARCS) Study 2002-2014. (Accepted for AAN annual meeting 2019, Philadelphia, PA).
108. Hilmi KA, Souayah N, Nolasco K, Tamanna, KN. Miller Fischer Syndrome after Vaccination in the United States: A CDC/FDA Vaccine Adverse Event Reporting System Study, 1999-2017. (Accepted for AAN annual meeting 2019, Philadelphia, PA).
109. Islam S, Zhang Y, Yueqing N, Kevin V, Vaidya J, Atluri V, Shafiq B, Souayah N. Does CIDP Increase The Risk of Acquiring Other Autoimmune Disorders? A New York State Planning and Research Cooperation System Database Analysis (1998-2014). (Accepted for AAN annual meeting 2019, Philadelphia, PA).
110. Sheikh S, Nolasco K, Nisar T, Nasar A, Souayah N. Are the choices of Therapeutic options for the Management of Myasthenia Gravis Crisis with acute respiratory failure-Influenced by the patient's Age. A New York State Planning and Research Cooperation

System Database Analysis (1998-2014). (Accepted for AAN annual meeting 2019, Philadelphia, PA).

111. Sheikh S, Patel J, Abdulrazeq H, Abu Nasar, Souayah N. Association between Amyotrophic Lateral Sclerosis and Diabetes Mellitus Type I and II, a New York State Planning and Research Cooperation System Database Analysis (1998-2014). (Accepted for AANEM annual meeting 2018, Washington DC).
112. Sheikh S, Patel J, Abdulrazeq H, Abu Nasar, Souayah N. Myasthenia Gravis Therapeutic Intervention Charges Comparison. A New York State Planning and Research Cooperation System Database Analysis (1998-2014). (Accepted for AANEM annual meeting 2018, Washington DC).
113. Sheikh S, Patel J, Abdulrazeq H, Abu Nasar, Souayah N. Plasmapheresis Versus Intravenous Immunoglobulin Versus Steroids in The Treatment of Myasthenia Gravis Crisis. A New York State Planning and Research Cooperation System Database Analysis (1998-2014). (Accepted for AANEM annual meeting 2018, Washington DC).
114. Sheikh S, Patel J, Abdulrazeq H, Abu Nasar, Souayah N. Disposition of Patients Diagnosed with Myasthenia Gravis Crisis, a New York State Planning and Research Cooperation System Database Analysis (1998-2014). (Accepted for AANEM annual meeting 2018, Washington DC)
115. Bouchachi S, Abdulrazeq H, Sander H, Souayah N. Extending the clinical Spectrum of Dejerine Sottas Syndrome: a new family with cognitive impairment and hearing loss carrying Trembler mutation. (Accepted for AANEM annual meeting 2018, Washington DC)
116. Thulasi V, Savage T, Souayah N, Feinstein E. The Relationship Between Facial Nerve Palsy and Vaccination. (Accepted for AAN annual meeting 2018, Los Angeles CA)
117. Patel J , Alchaki A, Fakher Eddin M, Souayah N. Development of Optic Neuritis after Vaccination, A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study, 1990-2017. (Accepted for AAN annual meeting 2018, Los Angeles CA)
118. Hanumanthu R, Sanghani N, Shah S, Souayah N. Pediatric Myasthenia Gravis After Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2017). (Accepted for AAN annual meeting 2018, Los Angeles CA)
119. Fakhera Eddin M, Patel J, Alchaki A, Souayah N. Development of Multiple Sclerosis relapse flare after Vaccination, A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study, [1987-2017]. (Accepted for AAN annual meeting 2018, Los Angeles CA)
120. Shah S, Sanghani S, Hanumanthu R, Souayah N. Brachial plexopathy after influenza vaccination in adults in the USA. A report from the CDC/FDA Vaccine Adverse Event Reporting System (1990-2017). (Accepted for AAN annual meeting 2018, Los Angeles CA)
121. Shah S, Patel J, Alchaki A, Fakher Eddin M, Souayah N. Development of Transverse Myelitis after Vaccination, A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study, 1985-2017. (Accepted for AAN annual meeting 2018, Los Angeles CA)
122. Alshaqi O, Alchaki A, Patel J, Souayah N. The Contribution of Medieval Islamic Scholars to the Progress of Neuroscience; Headache. (Accepted for AAN annual meeting 2018, Los Angeles CA).
123. Sanghani N, Hanumanthu R, Shah S, Souayah N(Rutgers). Myasthenia Gravis after Vaccination in Adults the United States: A Report from the CDC/FDA Vaccine Adverse Event Reporting System (1990-2017). (Accepted for AAN annual meeting 2018, Los Angeles CA).
124. Sheikh S, Patel J, Nasar A, Souayah N. Disposition of Patients Diagnosed with Myasthenia Gravis Crisis, a New York State Planning and Research Cooperation System

Database Analysis (1998-2014). (Accepted for AAN annual meeting 2018, Los Angeles CA).

125. Patel J, Sheikh S, Nasar, Souayah N. Myasthenia Gravis Therapeutic Intervention Charges Comparison. A New York State Planning and Research Cooperation System Database Analysis (1998-2014). (Accepted for AAN annual meeting 2018, Los Angeles CA).
126. Nasar A, Sheikh S, Souayah N. Association between Amyotrophic Lateral Sclerosis and Diabetes Mellitus Type I and II, a New York State Planning and Research Cooperation System Database Analysis (1998-2014). (Accepted for AAN annual meeting 2018, Los Angeles CA).
127. Fakher Eddin M, Patel J, Alchaki A, Souayah N. Development of Clinically Isolated Syndrome after Vaccination, A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study, [1985-2017]. (Accepted for AAN annual meeting 2018, Los Angeles CA).
128. Chen H, Souayah N. Ficolin 3, a potential biomarker for demyelination in diabetic neuropathy. (Accepted for AAN annual meeting 2017, Boston MA)
129. Veitina j, Nasir K, Gomez F, Souayah N. Guillian-Barre Syndrome (GBS) in Children after Influenza Vaccination , An analysis of the Vaccine Adverse Event Reporting System (VAERS) Database, 1991-2015. (Accepted for AAN annual meeting 2017, Boston MA)
130. Gomez F, Veitia J, Kornitzer J, Abu Nasar, Souayah N. Factors Associated with Intubation in Critical Illness Polyneuropathy (CIP), a New York Statewide Planning and Research Cooperation System (SPARCS) Database Report from 1998 to 2014. (Accepted for AAN annual meeting 2017, Boston MA).
131. Veitia J, Gomez F, Kornitzer J, Abu Nasar, Souayah N. Factors associated with Intubation in HIV positive patients presenting with Critical Illness Myopathy (CIM) or Polyneuropathy (CIP), A New York Statewide Planning and Research Cooperation System Database Report.'(Accepted for AAN annual meeting 2017, Boston MA)
132. Gomez F, Veitia J, Kornitzer J, Abu Nasar, Souayah N. Exploring Factors Associated with Intubation and Mechanical Ventilation in Critical Illness Myopathy (CIM), an Analysis of New York Statewide Planning and Research Cooperation System (SPARCS) Data 1998-2014. (Accepted for AAN annual meeting 2017, Boston MA
133. Arismendi G, Souayah N, Rameshwar P. Gamma irradiated microglia produce exosomes that cause molecular and functional changes in neurons: a human model system. (Accepted for AAN annual meeting 2017, Boston MA).
134. Kornitzer J, Abu Nasar, Souayah N Differentiating Flail Limb Syndrome from Amyotrophic Lateral Sclerosis. (Accepted for AAN annual meeting 2017, Boston MA).
135. Sheikh S, Abu N, Souayah N. ALS Association with Diabetes. (Accepted for AANEM annual meeting 2017, Phoenix AZ).
136. Opila T, Souayah N. Examining Outcomes Of Multifocal Motor Neuropathy (MMN) Cases Using The Nationwide Inpatient Sample (NIS), For 2003-2012. (Accepted for AANEM annual meeting 2017, Phoenix AZ).
137. Gomez F, Souayah N. Guillian-barre syndrome (GBS) in children after influenza vaccination, an analysis of the vaccine adverse event reporting system (VAERS) database, 1991-2015. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
138. Gomez F, Souayah N. Guillian-barre syndrome (GBS) in children after influenza vaccination, an analysis of the vaccine adverse event reporting system (VAERS) database, 1991-2015. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
139. Gomez F, Souayah N. Factors associated with intubation and mechanical ventilation in critical illness myopathy (CIM), an analysis of New York statewide planning and research cooperation system (SPARCS) data 1998-2014. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)

140. Gomez F, Souayah N. Factors associated with intubation in HIV patients presenting with critical illness myopathy or polyneuropathy, a NewYork statewide planning and research cooperation system database report. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
141. Gomez F, Souayah N. Factors associated with intubation in HIV patients presenting with critical illness myopathy or polyneuropathy, a NewYork statewide planning and research cooperation system database report. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
142. Gomez F, Souayah N. Guillain-barre syndrome (GBS) in children after influenza vaccination, an analysis of the vaccine adverse event reporting system (VAERS) database, 1991-2015. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
143. Chaudhary M, Nasar A, Gomez F, Souayah N. Factors Linked To Mortality In Amyotrophic Lateral Sclerosis Patients During 1998-2014: A New York Statewide Planning And Research Cooperation System Database Report. (Accepted for AANEM annual meeting 2016, New Orleans Louisiana)
144. Gomez F, El-Ghanem M, Nasar A, Souayah N. Intravenous Immunoglobulin Versus Plasma Exchange Outcomes And Costs In Guillain–Barré Syndrome: A New York Statewide Planning And Research Cooperation System Database Report. (Accepted for AANEM annual meeting 2016, New Orleans Louisiana).
145. Gomez F, El-Ghanem M, Nasar A, Souayah N. Comparing Outcomes And Costs In Chronic Inflammatory Demyelinating Polyneuropathy In Patients Treated With Intravenous Immunoglobulin Versus Steroids Or Other Treatments (Accepted for AANEM annual meeting 2016, New Orleans Louisiana)
146. Veitia J, Gomez F, Souayah N. Influenza Vaccination And Guillain–Barré Syndrome: An Analysis Of The Vaccine Adverse Event Reporting System For 1991-2015. (Accepted for AANEM annual meeting 2016, New Orleans Louisiana)
147. Gomez F, El-Ghanem M, Nasar A, Souayah NInfluenza Vaccination And Development Of Guillain–Barré Syndrome In Adults: A Vaccine Adverse Event Reporting System And Vaccine Safety Datalink Analysis For 1991-2000. (Accepted for AANEM annual meeting 2016, New Orleans Louisiana).
148. Opila T, Souayah N. Examining Inpatient Outcomes For Chronic Inflammatory Demyelinating Polyneuropathy Populations Administered Intravenous Immunoglobulin And Plasma Exchange. (Accepted for AANEM annual meeting 2016, New Orleans Louisiana).
149. Opila T, Souayah N. Examining Acute Care Patient Outcomes For Polymyositis And Dermatomyositis Immunoglobulin And Intravenous Steroid Treatment Groups, Using The Nationwide Inpatient Sample. (Accepted for AANEM annual meeting 2016, New Orleans Louisiana).
150. Gomez F , El-Ghanem M, Abu Nasar, Souayah N. Association Between Influenza Vaccination and Development of Guillain-Barré Syndrome in Adults. A Vaccine Safety Datalink (VSD) and Vaccine Adverse Event Reporting System (VAERS) Study. (Accepted AAN meeting 2016, Vancouver, Canada).
151. Souayah N ; Chen H. Ionizing Radiation Induces Cellular Senescence in Human Microglial cell. (Accepted AAN meeting 2016, Vancouver, Canada).
152. Chen H, Chong ZZ, Souayah N. Hyperglycemia Enhanced HSC Cells Sensitivity to Hypoxia. (Accepted AAN meeting 2016, Vancouver, Canada).
153. Chen H; Souayah N. Ionizing Radiation Induces Autophagy in Human Microglial Cells. (Accepted AAN meeting 2016, Vancouver, Canada).
154. Veitia j, Gomez F, Abu Nasar, Souayah N. Guillian-Barre Syndrome after Influenza Vaccination in the United States, 1999-2015. A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study. (Accepted AAN meeting 2016, Vancouver, Canada).

155. El-Ghanem M, Gomez F, Abu Nasar, Souayah N. IVIg Versus Plasmapheresis Outcomes and Costs in Patients Diagnosed with Guillian-Barre Syndrome(2009-2013). A New York Statewide Planning and Research Cooperation System (SPARCS) Database Report. (Accepted AAN meeting 2016, Vancouver, Canada).
156. El-Ghanem M, Gomez F, Abu Nasar, Souayah N. Trends in Outcome and Cost of Hospitalization in Chronic Inflammatory Demyelinating Polyneuropathy Patients Treated with IVIG, Versus Steroid or Other Treatments (2009-2013). A New York Statewide Planning and Research Cooperation System (SPARCS) Database Report. (Accepted AAN meeting 2016, Vancouver, Canada).
157. Opila T, Battaglia N, Souayah N. Health Disparities among Patients Diagnosed with Diabetic Neuropathy in the HCUP Nationwide Inpatient Sample. (Accepted AAN meeting 2016, Vancouver, Canada).
158. Opila T, Souayah N. Examining Case Demographics for Myasthenia Gravis (MG) Comorbidities, to Compare Plasmapheresis (plex) and Immunoglobulin (IVIG) Treatment Outcomes in US Hospitals, When Stratifying by Economic Indicators. (Accepted AAN meeting 2016, Vancouver, Canada).
159. Opila T, Souayah N Effect of Autoimmune Comorbidity on Trends in Outcome and Hospitalization Charges of Myasthenia Gravis Patients Treated with Plasma Exchange and Intravenous Immunoglobulin(Accepted for AANEM annual meeting 2015, Honolulu Hawaii)
160. Chen H, De Toledo S, Goodus M, Azzam E, Levision S,Souayah N. In Vitro and in Vivo Effects of Ionizing Radiation on Cell Cycle Progression and Self-Renewal of Sub ventricular Zone Neural Precursors. (Accepted AAN meeting 2015, Washington DC).
161. Pahwa A, Allan M, Sander H, Souayah N. The Safety Profile of Home Infusion of Intravenous Immunoglobulin in Neuroimmunological Disorders. (Accepted AAN meeting 2015, Washington DC).
162. Chong ZZ, Chen H, Liu T, Li H, Souayah N. Identification of High Glucose Induced Cell Signaling Human in Schwann Cells. (Accepted AAN meeting 2015, Washington DC).
163. Chen H, Sander H, Souayah N. The effect of Hyperglycemia on Human Schwann Cell. (Accepted AAN meeting 2015, Washington DC).
164. Pahwa A, Opila T, El-Ghanem M, Souayah N. Trends in Outcome and Hospitalization Charges of Infantile Botulism in the United States: A Comparative Analysis between Kids' Inpatient Database (KID) and National Inpatient Sample (NIS). (Accepted AAN meeting 2015, Washington DC).
165. Opila T, Sander H, Souayah N. The Effect of Gender and Bimodal Age Distribution on Hospitalization Charges and Outcomes for Myasthenia Gravis Patients Treated with Intravenous Immunoglobulin Compared to Plasmapheresis. (Accepted AAN meeting 2015, Washington DC).
166. Chen H, De Toledo S, Goodus M, Azzam E, Levison S, Souayah N. In Vitro and In Vivo Effects of Ionizing Radiation on Cell Cycle Progression and Self-Renewal of Sub ventricular Zone Neural Precursors. (Accepted AAN meeting 2015, Washington DC).
167. Kornitzer J, Philips M, Marks D, Lee H, Souayah N. Alice in Wonderland Syndrome Associated With a Temporo-Parietal Cavernoma. (Accepted AAN meeting 2015, Washington DC).
168. Wang W, Pahwa A, Hi W, Souayah N. Trends in Outcome and Cost of Hospitalization of Mechanically Ventilated Adult Myasthenia Gravis Patients from 1992 to 2009. (Accepted AAN meeting 2014, Philadelphia PA).
169. Souayah N, Chen H. New Markers For Demyelination In Diabetic Neuropathy: A Novel Strategy. Accepted AAN meeting 2014, Philadelphia PA).

170. Ji A, Pahwa A, Souayah N. Trends in Outcome and Cost of Hospitalization of Elderly Myasthenia Gravis Patients from 1992 to 2009 Data from Nationwide Inpatient Survey (NIS)1997-2009. (Accepted AAN meeting 2014, Philadelphia PA).
171. Hi W, Pahwa A, Souayah N. Trends in Outcome and Cost of Hospitalization of Adult Myasthenia Gravis. Data Analysis from Nationwide Inpatient Survey (NIS) from 1992 to 2009. (Accepted AAN meeting 2014, Philadelphia PA).
172. Souayah N, Chen H. The Effect Hyperglycemia on Human Schwann Cell. (Accepted AAN meeting 2014, Philadelphia PA).
173. Chen H, Souayah N. Effects of Ionizing Radiation on Human Microglial Cells. (Accepted AAN meeting 2014, Philadelphia PA).
174. El-Ghanem M, Pahwa A, Souayah N. Trends in Outcome and Cost of Hospitalization of Elderly Myasthenia Gravis Patients Treated with Plasmapheresis from 1992 to 2009. (Accepted AAN meeting 2014, Philadelphia PA).
175. El-Ghanem M, Pahwa A, Souayah N. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Botulism in the United States: A Comparative Analysis Between Kids' Inpatient Database (KID) and National Inpatient Sample (NIS). (Accepted AAN meeting 2014, Philadelphia PA).
176. Pahwa A, Souayah N. Is Intravenous Immunoglobulin More Cost Effective Than Plasmapheresis in Treatment of Pediatric Myasthenia Gravis Patients? -Data from Kids' Inpatient Database (KID) and Nationwide Inpatient Sample (NIS). (Accepted AAN meeting 2014, Philadelphia PA).
177. Pahwa A, Souayah N. The Safety Profile of Home Infusion of Intravenous Immunoglobulin in Neuroimmunological Disorders. (Accepted AAN meeting 2014, Philadelphia PA).
178. Sheikh Z, Pahwa A, Souayah N. Evaluation of Conduction Slowing in Amyotrophic Lateral Sclerosis: A novel Approach. (Accepted AAN meeting 2014, Philadelphia PA).
179. Sheikh Z, Pahwa A, Souayah N. Electro diagnostic Profile of Demyelination in Diabetic Neuropathy: A novel approach. (Accepted AAN meeting 2014, Philadelphia PA).
180. Sullivan K, Pahwa A, Souayah N. Trends in Outcome and Hospitalization Charges for Pediatric Patients Admitted with Guillain Barre Syndrome Treated with Intravenous Immunoglobulin in the United States. Data from Kids' Inpatient Database (KID), 1997-2009. (Accepted AAN meeting 2014, Philadelphia PA).
181. Ayer G, Souayah N. Efficacy and Safety of Home Infusion of Intravenous Immunoglobulin in Multifocal Motor Neuropathy: A longitudinal study. (Accepted AAN meeting 2014, Philadelphia PA).
182. Ayer G, Souayah N. A retrospective analysis of patient-reported outcomes for 34 patients with Stiff Person Syndrome receiving home IVIG infusions. (Accepted AAN meeting 2014, Philadelphia PA).
183. Wang, W, Hi W, Souayah N. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Guillain Barre Syndrome Treated with Plasmapheresis in the United States. Data from Kids' Inpatient Database (KID) 1997-2009. (Accepted AAN meeting 2014, Philadelphia PA).
184. Chen H, Souayah N. Ionizing Radiation Arrests Sub ventricular Zone Neural Precursors in G2/M without Affecting Long-Term Self-Renewal. (Accepted AAN meeting 2014, Philadelphia PA).
185. Souayah N, Chen H, Chen ZW, Ilyas A, Binding Of Rabbit Anti-Lm1 Antibodies With Human Schwann Cells In Culture. Muscle & Nerve 2013.
186. Hasan A, Souayah N. Safety and Efficacy of Subcutaneous Immunoglobulin in the Management of Neuromuscular Disorders. Muscle & Nerve 2013.
187. Sander H; A. Elenein R, He W, Sheikh Z, Al Qudah Z, Souayah N. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Guillain Barre Syndrome

in the United States. Data from Kids' Inpatient Database (KID) 1997-2009. Neurology 2013.

188. Sander H; A. Elenein R, He W, Sheikh Z, Al Qudah Z, Souayah N. Trends in Outcomes and Hospitalization Costs among Pediatric Myasthenia Gravis Patients in the United States. Data from Kids' Inpatient Database (KID) 1997-2009. Neurology 2013.
189. Souayah N; A. Elenein R, He W. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Botulism in the United States. Data from Kids' Inpatient Database (KID) 1997-2009. Neurology 2013.
190. Chen H; Souayah N. Effects of Ionizing Radiation on Human Microglial Cells. Neurology 2013.
191. Chen H; Qureshi A, Souayah N. Amyotrophic Lateral Sclerosis Mortality Variation among Different Racial/Ethnic Groups in United States. Neurology 2013.
192. Al Qudah Z; A. Elenein R, He W, Souayah N. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Myasthenia Gravis Treated with Plasmapheresis in the United States. Data from Kids' Inpatient Database (KID) 1997-2009. Neurology 2013.
193. Al Qudah Z; A. Elenein R, He W, Souayah N. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Myasthenia Gravis Treated with Intravenous Immunoglobulin in the United States. Data from Kids' Inpatient Database (KID) 1997-2009. Neurology 2013.
194. Kheradia T; Khan H, Saxena A, A. Elenein R, Al Qudah Z, Souayah N. Trends in Outcomes and Hospitalization Charges among Adult Patients with Guillain- Barrie Syndrome, Treated with Intravenous Immunoglobulin in the United States (1992-2009). Neurology 2013.
195. A. Elenein Rania; HeW, Souayah N. Is Intravenous Immunoglobulin More Cost Effective Than Plasmapheresis in the Treatment of Pediatric Guillain Barre Syndrome. Data from Kids' Inpatient Database (KID) 1997-2009. Neurology 2013.
196. A. Elenein R; HeW, Souayah N. Is Intravenous Immunoglobulin Is More Cost Effective Than Plasmapheresis in the Treatment of Pediatric Myasthenia Gravis. Data from Kids' Inpatient Database (KID) 1997-2009. Neurology 2013.
197. Sagar R; Khan H, A. Elenein R, Al Qudah Z, Souayah N. Trends in Outcomes and Hospitalization Charges among Adult Patients with Guillain- Barrie Syndrome, Treated with Plasmapheresis in the United States (1992-2009). Neurology 2013.
198. Sheikh Z, Khan H, Ji A, Kheradia T, Al Qudah Z, Saxena A, Souayah N. Trends in Outcome and Cost of Hospitalization of Adult Myasthenia Gravis Patients Treated with Plasmapheresis from 1992 to 2009. NIS Database Analysis. Neurology 2013.
199. Souayah N; Maybodi L, Ende N. The Cytokines Expression in Diabetic Neuropathy. Muscle & Nerve 2012.
200. Souayah N; Chen L, Maybodi L. Urine Secretory Phospholipase Activity: A novel Marker For Neuroinflammation in Diabetic Neuropathy. Muscle & Nerve 2012.
201. Souayah N; Chen L, Maybodi L, Ende N. Cytokines Expression in Chronic inflammatory Demyelinating Polyneuropathy. Muscle & Nerve 2012.
202. Abukwaik W, Al Qudah Z, Souayah N. Multiple Sclerosis after Vaccination in the United States, a Report from the CDC/FDA Vaccine Adverse Event Reporting System (1990-2010). Neurology 2012;78.
203. Abukwaik W; Khan H, Sheikh Z, Souayah N. Trends in Outcome and Cost of Hospitalization of Pediatric Myasthenia Gravis Patients Treated with Intravenous Immunoglobulin from 1992 to 2009. Neurology 2012;78.
204. Al Qudah Z; Abukwaik W, Souayah N. Stroke After Vaccination in United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. [1990-2010].Neurology 2012;78.

205. Al Qudah Z; Abukwaik W, Patel H, Souayah N. Encephalitis after Vaccination in United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System.[1990-2010]. Neurology 2012;78.
206. Chen HX, Levison S, De Toledo S, Azzam E, Souayah N. Effects of Ionizing Radiation on Neural Precursor Cells. Neurology 2012;78.
207. Chen HX; Ende N, Souayah N. The Cytokine Profile of Chronic inflammatory Demyelinating Polyneuropathy. Neurology 2012;78.
208. Crescenzi M; Souayah N. Prevalence of Patients with Multiple Neurological Autoimmune Diagnoses. Neurology 2012;78.
209. Hasan A; Khan H, Sheikh Z, Souayah N. Trends in Outcome and Cost of Hospitalization of Elderly Myasthenia Gravis Patients Treated with Intravenous Immunoglobulin from 1992 to 2009. Neurology 2012;78.
210. Kheradia T; Khan H, Sheikh Z, Saxena A, Islam S, Souayah N. Trends in Outcomes and Hospitalization Charges Among Mechanically Ventilated Adult Patients with Status Epilepticus in the United States (1994-2009). Neurology 2012;78.
211. Maybodi L; Ende N, Chen HX, Souayah N. A Novel Marker for Neuroinflammation in Diabetic Neuropathy. Neurology 2012;78.
212. Maybodi L; Ende N, Chen HX, Souayah N. The Cytokine Profile of Diabetic Neuropathy. Neurology 2012;78.
213. Patel T; Kahn H, Sheikh Z, Souayah N. Trends in Outcomes and Hospitalization Charges among Non Mechanically Ventilated Elderly Patients with Status Epilepticus in the United States (1994-2009). Neurology 2012;78.
214. Patel T; Khan H, Sheikh Z, Souayah N. Trends in Outcomes and Hospitalization Charges among Non Mechanically Ventilated Elderly Patients with Status Epilepticus in the UnitedStates (1994-2009). Neurology 2012;78.
215. Patel T; Khan H, Sheikh Z, Souayah N. Trends in Outcomes and Hospitalization Charges among Mechanically Ventilated Elderly Patients with Status Epilepticus in the United States (1994-2009). Neurology 2012;78.
216. Rajasingham J; Souayah N. Neurosarcoidosis Revealed by Isolated Abducens Nerve Palsy. Neurology 2012;78.
217. Saxena A; Khan H, Kheradia T, Sheikh Z, Islam S, Souayah N. Trends in Outcomes and Hospitalization Charges among Non Mechanically Ventilated Pediatric Patients with Status Epilepticus in the United States (1994-2009). Neurology 2012;78.
218. Sheikh Z; Abukwaik W, Souayah N. Meningitis after Vaccination in United States, a Report from the CDC/FDA Vaccine Adverse Event Reporting System [1990-2010]. Neurology 2012;78.
219. Sheikh Z; Abukwaik W, Souayah N. Ataxia after Vaccination in United States, a Reportfrom the CDC/FDA Vaccine Adverse Event Reporting System [1990-2010]. Neurology 2012;78.
220. Souayah N; Ende N, Chen HX. The Cytokine Profile of Human Umbilical Cord Blood.Neurology 2012;78.
221. Abukwaik W, Farhad K, Ji AB, Khan HMR, Patel T, Souayah N. Plexopathies after Vaccination. Muscle & Nerve 2011;44:639.
222. Farhad K, Abukwaik W, Ji AB, Khan HMR, Patel T, Souayah N. Facial Palsy after Vaccination. Muscle & Nerve 2011;44:629.
223. Farhad K, Abukwaik W, Ji AB, Khan HMR, Patel T, Souayah N. Myasthenia Gravis after Vaccination. Muscle & Nerve 2011;44:629.
224. Maybodi L, Ji AB, Farhad K, Souayah N. Acquired Myopathies after Vaccination in the United States. Muscle & Nerve 2011;44:666.
225. Souayah N, Chen H, Abukwaik W, et al. A Novel Marker for Neuroinflammation in Diabetic Neuropathy. Muscle & Nerve 2011;44:643.

226. Souayah N, Patel T, Abukwaik W, et al. Primary Demyelination May Contribute to Conduction Slowing in Diabetic Distal Symmetric Polyneuropathy. Muscle & Nerve 2011;44:684-5.
227. Tishuk P, Ji AB, Farhad K, Abukwaik W, Khan H, Patel T, Souayah N. Trends in Outcome and Cost of Hospitalization of Pediatric Guillain-Barre Syndrome Patients Treated with Plasmapheresis. Muscle & Nerve 2011;44:621.
228. Tishuk P, Ji AB, Farhad K, Abukwaik W, Khan H, Patel T, Souayah N. Trends in Outcome and Cost of Hospitalization of Pediatric Guillain-Barre Syndrome Patients Treated intravenous Immunoglobulin. Muscle & Nerve 2011;44:621.
229. Tishuk PP, Ji AB, Khan HMR, Patel T, Abukwaik W, Souayah N. Does Motor Neuron Disease Occur after Vaccination? Muscle & Nerve 2011;44:655.
230. Farhad K, Khon H, Islam S, Patel TB, Souayah N. Trends in Outcomes, Severity and Hospitalization Costs among Traumatic Brain Injury in Pediatric Patients in the United States. Neurology 2011;76:A141-A.
231. Farhad K, Khan H, Ji AB, Islam S, Souayah N. Trends in Outcomes and in Severity, Hospitalization Costs and Outcomes among Adult Patients with Traumatic Brain Injury in the United States. Neurology 2011;76:A155-A.
232. Hasan A, Ji AB, Farhad K, Nasar A, Khan H, Souayah N. Trends in Outcome and Cost of Hospitalization of Adult Guillain-Barre Syndrome Patients Treated with intravenous Immunoglobulin. Neurology 2011;76:A568-A.
233. Hasan A, Khan H, Yacoub H, Souayah N. The Safety Profile of Home Infusion of Intravenous Immunoglobulin in Neurological Disorders. Neurology 2011;76:A521-A.
234. Ji AB, Farhad K, Tishuk P, Souayah N. Trends in Outcome and Cost of Hospitalizationof Adult Guillain-Barre Syndrome Patients Treated with Plasmapheresis. Neurology 2011;76:A315-A6.
235. Ji AB, Farhad K, Tishuk P, Souayah N. Is Intravenous Immunoglobulin Is More Effective Than Plasmapheresis in the Treatment of Guillain-Barre Syndrome. Neurology 2011;76:A279-A80.
236. Muqtadar H, Ji AB, Souayah N. Trends in Outcome and Cost of Hospitalization of Adult Mechanically Ventilated Guillain-Barre Syndrome Patients Treated intravenous. Immunoglobulin. Neurology 2011;76:A157-A.
237. Muqtadar H, Ji AB, Farhad K, Souayah N. Trends in Outcome and Cost of Hospitalization of Adult Mechanically Ventilated Guillain-Barre Syndrome Treated withPlasmapheresis. Neurology 2011;76:A156-A7.
238. Patel T, Khan H, Ji AB, Tishuk P, Mehyar L, Siao-Tick-Chong P, Katirji B, Souayah N. Conduction Slowing in Diabetic Neuropathy. Neurology 2011;76:A524-A.
239. Patel TB, Khan H, Ji AB, Tishuk P, Mehyar L, Siao-Tick-Chong P, Katirji B, Souayah N. Electrodiagnotic Profile of Conduction Velocity Slowing in Amyotrophic Lateral Sclerosis. Neurology 2011;76:A567-A.
240. Punia V, Farhad K, Khan H, Muqtadar H, Souayah N. Trends in Outcome and Hospitalization Cost among Adult Patients with Acute Ischemic Stroke and Autonomic Dysfunction in the United States. Neurology 2011;76:A145-A.
241. Samizadeh M, Farhad K, Khan H, Souayah N. Trends in Outcomes, Severity and Hospitalization Costs among Pediatric Traumatic Spinal Cord Injury Patients in the United States. Neurology 2011;76:A141-A.
242. Samizadeh M, Farhad K, Khan H, Patel TB, Souayah N. Trends in Outcomes, Severity and Hospitalization Costs among Adult Traumatic Spinal Cord Injury Patients in theUnited States. Neurology 2011;76:A86-A7.
243. Souayah N, Ji AB, Yacoub H. Myopathies after Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2010). Neurology 2011;76:A106-A.

244. Souayah N, Ji AB. Intravenous Immunoglobulin Is More Cost Effective ThanPlasmapheresis in the Treatment of Pediatric Guillain-Barre Syndrome. Neurology 2011;76:A419-A.
245. Yacoub H, Ji AB, Tishuk P, Farhad K, Khan H, Souayah N. Miller Fisher Syndrome after Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2010). Neurology 2011;76:A281-A.
246. Souayah N, Michas-Martin PA, Nasar A, et al. Guillain-Barre Syndrome after GardasilVaccination: Data from Vaccine Adverse Event Reporting System 2006-2009.Vaccine 2011;29:886-9.
247. Souayah N, Yacoub H, Michas-Martin P, Nsar A, Qureshi A. Guillain-Barre Syndromeafter H1N1Vaccination in the United States: A Report from the CDC/FDA Vaccine Adverse Event Reporting System (2009). Neurology 2010;75:379.
248. Ainchaybah RH, Yacoub H, Souayah N. Serotonin Syndrome after Administration of Milnacipran for Fibromyalgia. Neurology 2010;74:A468-A.
249. Al-Qudah ZAAA, Mehyar LS, Krivitskaya N, Hafiz K, Islam S, Souayah N. The Prevalence and Effect of Diabetes on the Course of Amyotrophic Lateral Sclerosis. Neurology 2010;74:A179-A.
250. Farhad K, Khan H, Islam S, Souayah N. Trends in Outcomes and Hospitalization Costsamong Traumatic Brain Injury in Pediatric Patients in the United States. Neurology. 2010;74:A128-A.
251. Farhad K, Hafiz K, Nsar A, Souayah N. Trends in Outcomes and Hospitalization Costs among Spinal Cord Injury Adult Patients in the United States. Neurology 2010;74:A127-A.
252. Hafiz KM, Mehyar LS, Saulat B, Islam S, Souayah N. Trends in Outcomes and Hospitalization Costs among Patients with Warding's Hoffman Disease in the United States. Neurology 2010;74:A331-A.
253. Khan HM, Yacoub H, Farhad K, Mehyar L, Islam S, Saulat B, Elenein R, Souayah N. Trends in Outcome and Hospitalization Cost among Adult Patients with Acute Ischemic Stroke in the United States. Neurology 2010;74:A514-A5.
254. Mehyar LS, Khan H, Al-Kariem ZA, Al-Qudah A, Islam S, Souayah N. Trends in Outcomes and Hospitalization Costs of Infantile Botulism in United States. Neurology 2010;74:A44-A.
255. Mehyar LS, Krivitskaya N, Khan H, Islam S, Nasar A, Lee HJ, Yacoub H, Souayah N. The Occurrence of Central Nervous System Demyelination in Diabetes. Neurology 2010;74:A465-A6.
256. Michas-Martin P, Kahn H, Islam S, Elenein R, Farhad K, Saulat B, Souayah N. Guillain-Barre Syndrome after Gardasil Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (2006-2009). Neurology 2010;74:A524-A5.
257. Samizadeh M, Farhad K, Mehyar LS, Khan H, Souayah N. Trends in Outcomes andHospitalization Costs among Pediatric Spinal Cord Injury Patients in the United States. Neurology 2010;74:A44-A.
258. Samizadeh M, Farhad K, Khan H, Souayah N. Trends in Outcomes and Hospitalization Costs among Patients with Tetanus in the United States. Neurology 2010;74:A213-A.
259. Saulat B, Mehyar LS, Khan H, Abou Elenein R, Souayah N. Trends in Outcomes and Hospitalization Cost of Adult Patients with Botulism in the United States. Neurology 2010;74:A93-A.
260. Souayah N, Nasar A, Farhad K, Yacoub H, Abou Elenein R, Tishuk P. Trends in Outcomes and Hospitalization Costs among Traumatic Brain Injury in Adult Patientsin the United States. Neurology 2010;74:A128-A.

261. Souayah N, Mehyar LS, Baker N, Levison SW. Radiation Sensitivity of Neural and Progenitor Stem Cells. Neurology 2010;74:A593-A.
262. Tishuk P, Cunningham T, Khan H, Souayah N. A New Marker for Neuroinflammationin Acute Adult Traumatic Brain Injury. Neurology 2010;74:A151-A.
263. Yacoub H, Khan H, Islam S, Farhad K, Michas-Martin P, Saulat B, Elenein R, Souayah N. Guillain-Barre Syndrome after Hepatitis Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2009). Neurology 2010;74:A524-A.
264. Yacoub H, Khan H, Islam S, Souayah N. Guillain-Barre Syndrome after influenza Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2009). Neurology 2010;74:A524-A.
265. Yacoub HA, Johnson WG, Souayah N. Serotonin Syndrome after Administration of Milnacipran for Fibromyalgia. Neurology 2010;74:699-700.
266. Khan HM, Nasar A, Krivitskaya N, Michas-Martin P, Swaminathan T, El-Gengaihy A, Yacoub H, Souayah N. Mixed Median Nerve Conduction Study:Normative Data from Side-to-Side Comparison. Muscle & nerve 2009;40:723-4.
267. Khan HM, Nasar A, Krivitskaya N, Michas-Martin P, Swaminathan T, El-Gengahy A, Yacoub H, Souayah N. Nerve Conduction Studies: Normative Data from Side-to-Side Comparison. Muscle & Nerve 2009;40:723.
268. Nasar A, Krivitskaya N, Khan H, Michas-Martin P, Swaminathan T, El-Gengahy A, Yacoub H, Souayah N. National Trend in Amyotrophic Lateral Sclerosis Requiring Mechanical Ventilation. Muscle & Nerve 2009;40:706.
269. Salameh J, Souayah N, Siao P. Role of Maximum Voluntary Contraction in the Diagnosis of Primary Demyelinating Polyneuropathy: Case Report. Muscle & Nerve 2009;40:680.
270. Frederikse P, Bitel C, Feng YC, Wong P, Souayah N. Alzheimer A beta Pathology in anAnimal Model of Diabetic Neuropathy. Neurology 2009;72:A203-A.
271. Frederikse PH, Bitel CL, Feng YC, Souayah N. Classic Prion Protein, Alzheimer A beta,Superoxide Dismutase 1, and Nitric Oxide Synthase 1,2 Pathology and inclusion Body Myositis-Like Muscle Degeneration in an Animal Model of Systemic Pathophysiology in Diabetes: An In Situ and Quantitative Biochemical Analysis. Neurology 2009;72:A19-A.
272. Krivitskaya N, Hassan A, Cho ES, Khella S, Michas-Martin PA, Souayah N. Anterior Horn Syndrome Revealing Neurosarcoidosis. Neurology 2009;72:A88-A.
273. Krivitskaya N, Suri MF, Nasar A, Khan H, Michas-Martin P, Qureshi A, Souayah N. A Prospective Observational Study of AutonomicDysfunction among Patients with Stroke. Neurology 2009;72:A44-A5.
274. Michas-Martin P, Krivitskaya N, Khan H, Nasar A, Qureshi A, Souayah N. Guillain-Barre Syndrome after Vaccination with Gardasil in United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. Neurology 2009;72:A267-A8.
275. Shhadeh A, Souayah S, Souayah N. The Contribution of Ibn Zuhr (Avenaor) to the Progress of Neuroscience. Neurology 2009;72:A214-A.
276. Souayah N, Nasar A, Krivitskaya N, et al. A New Marker for Chronic Demyelination in Diabetic Neuropathy. Neurology 2009;72:A217-A.
277. Souayah N, Nasar A, Krivitskaya N, et al. Electrodiagnostic Profile of Demyelination in Diabetic Neuropathy. Neurology 2009;72:A127-A8.
278. Souayah S, Shhadeh A, Souayah N. Contribution of Near Eastern Scholars to Neurology:El Zahrawi (Albucasis) 993-1064 AD. Neurology 2009;72:A214-A.
279. Chin R, Krivitskaya N, Brannagan T, Sander H, Souayah N. Small Fiber Neuropathy Following Vaccination for Rabies or Lyme Disease. Neurology 2008;70:A363-A.
280. Garcia CC, Krivitskaya N, McArdle JJ, Routh VH, Potian JG, Souayah N. Neuromuscular Junction Dysfunction in Diabetic Neuropathy. Neurology 2008;70:A82-A.

281. Lee HJ, Nasar A, ElGengaih A, Krendel D, Souayah N. Central Nervous System Demyelination in Diabetes. Neurology 2008;70:A61-A2.
282. McCarthy BA, Souayah N, Coakley KM, et al. Human Umbilical Cord BloodMononuclear Cells Produces Human IL-10 in Nice Without Immunosuppression Use. Neurology 2008;70:A338-A.
283. Paolucci U, Souayah N, El-Gengaihy A, Pariella D, Kirmani JF. intracerebral hemorrhage with intraventricular Extension use a Predictor of Autonomic instability.Neurology 2008;70:A154A.
284. Souayah N, Siao P. Asymmetric Phenotype Associated with Rare Myelin Protein Zero (MPZ) mutation. Muscle & Nerve 2008.
285. Souayah N, Krivitskaya N, Nasar A, et al. A Prospective Study of Autonomic Dysfunction Among Patients with Stroke. Muscle & Nerve. 2008.
286. Sander H, Krivitskaya N, Yuzbashyan T, Saadeh P, Baker N, Souayah N. The Generator Of Spontaneous Muscle Activity Following Upper Motor Neuron Injury Is Distal. Neurology 2008;70:A172-A.
287. Siao-Tick-Chong P, Souayah N. Beneficial Effects of Rituxmab in Patients With anti-MAG Neuropathy. Neurology 2008;70:A366-A.
288. Souayah S, Souayah N. Description and Classification of Headaches by Ibn Sina (Avicenna). Neurology 2008;70:A10-A.
289. Souayah N, Chodos A, Mehta S. Isolated Severe Vasculitic Neuropathy Revealing Sarcoidosis. Muscle & Nerve 2007;36:568-.
290. Souayah N, Chin RL, Brannagan TH, et al. Effect Of intravenous Immunoglobulin On Celiac Disease Cerebellar Ataxia. Muscle & Nerve 2007;36:568-.
291. 181. Souayah N, Chong PST. Peripheral Neuropathy as the Presenting Symptom of Ehlers-Danlos Syndrome. Muscle & Nerve 2007;36:590-.
292. Souayah N, Valenta D. Atypical Presentation of Desmin Myopathy Mimicking Guillain-Barre Syndrome. Muscle & Nerve 2007;36:590-1.
293. Elkabes S, Kurnellas MK, Ehrlich D, Souayah N. Reductions in Motor Unit Number Estimates (MUNE) in A Mouse Lacking A Neuronal Calcium Pump, Plasma Membrane Calcium Atpase 2 (PMCA2). Neurology 2007;68:A26-A.
294. Potian J, Mcardle J, Souayah N. Motor Unit Number Estimate in an Animal Model of Diabetes. Neurology 2007;68:A145-A.
295. Souayah N, Nasar A, Suri MF, Qureshi A. Guillain-Barre Syndrome after Vaccination in United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System (1990 to 2005). Neurology 2007;68:A23-A.
296. El-Gengaihy A, Trifiletti R, Pavone P, Souayah N. Carnetine-Responsive Partial Myopathic Carnitine Deficiency. Muscle & Nerve 2006;34:520-1.
297. Mian NF, Ilyas A, El-Gengaihy A, Souayah N. Guillain-Barre Syndrome after HIV T Cell Depeletion. Muscle & Nerve 2006;34:513-.
298. Moon JS, Trifiletti R, Pavone P, Souayah N. Genetic Heterogeneity of Childhood Ptosis. Muscle & Nerve 2006;34:521-2.
299. Souayah N, Nasar A, Suri MF, et al. Guillain-Barrie Syndrome after Vaccination in United States. Muscle & Nerve 2006;34:510-.
300. Souayah N, Nasar A, Suri MF, et al. National Trends in Guillain-Barre Syndrome Requiring Mechanical Ventilation. Muscle & Nerve 2006;34:511-.
301. Souayah N, Seltzer WK, Brannagan TH, Chin RL, De Sousa EA, Sander HW. Rare Myelin Protein Zero Sequence Variant in Late Onset Charcot-Marie-Tooth Disease 1B. Muscle & Nerve 2006;34:511-.
302. Souayah N, Khella SL. A New Syndrome: Paraneoplastic Cerebellar Degeneration, Myasthenia Gravis and Thymoma. Muscle & Nerve 2006;34:541-.

303. Mcardle, J, Karim, H, Marcus, S, and Souayah N. Therapy Survival and Long Term Recovery Following Severe Poisoning with Botulinum Toxin A. Army Medical Research Institute of Chemical Defense. Bioscience Review. 2006.
304. Souayah N, Nasar A, Suri MFK, et al. Trends in Outcomes and Hospitalization Costs of Patients with Myasthenia Gravis who are Mechanically Ventilated in United States. Neurology 2006;66:A233-A.
305. Karim H, Souayah N, Trifiletti R. Fatal Course in a Patient with Pure Congenital Muscular Dystrophy. Muscle & Nerve 2005;32:405-.
306. Moon JS, Souayah N. GBS in a Liver Transplanted Patient on FK506. Muscle & Nerve 2005;32:410-.
307. Souayah N, Bhatt M, Goldfarb AR, Sander HW. Posterior Antebrachial utaneous Neuropathy Electrodiagnosis. Muscle & Nerve 2005;32:398-.
308. Souayah N, Karim H, McArdle J, Marcus S. Severe Botulism after Focal injection of Botulinium Toxin. Muscle & Nerve 2005;32:417-.
309. Greco SJ, Cho KJ, Souayah N, Rameshwar P. Transdifferentiation of Retinoic Acid-treated, Human Mesenchymal Stem Cells Into Functional Neurons: Relevance to RNA Interference in Neural Development. Neurology 2005;64:A358-A.
310. Souayah N, Yao LH, Oetinger M, Cunningham TJ. Targeting Secreted Phospholipase A2 in Human Plasma to Prevent Neurodegeneration. Neurology 2005;64:A356-A7.
311. Souayah N, Sander HW. Lumbosacral Magnetic Stimulation in Lumbar Plexopathy Caused by Retroperitoneal Hematoma. Muscle & Nerve 2004;30:519-.
312. Souayah N, Chong PST, Niles JL, Cros D. Guillain-Barre Syndrome and Nephrotic Syndrome Secondary to Focal Glomerulosclerosis. Muscle & Nerve 2004;30:539-.
313. Souayah N, Cunningham TJ. Identification of a New Secretory Phospholipase A2 Inhibitor (sPLA2) within Survival Evasion Peptide (DSEP) for Systemic Treatment of Neurodegeneration. European Journal of Neurology 2004;11:39-.
314. Cunningham TJ, Souayah N, Yao LH. A novel SPLA2 Inhibitor for Systemic Treatment of Neurodegeneration. Neurobiology of aging 2004;25:S535-S.
315. Souayah N, Cunningham TJ. Effect of a New Phospholipase A2 Inhibitor on Acute Brain Injury. Neurology 2004;62:A369-A.
316. Souayah S, Souayah N. Contribution of Near Eastern Scholars to Neurology: Rhazes 870-930 AD. Neurology. 2004 Apr;62(7):A198-A9.
317. Black K, Koraiba K, Souayah N, Siao P, Dawson K, Cros D. Postutography in Burning Feet Neuropathy. Muscle & Nerve 2003.
318. Black K, Koraiba K, Souayah N, Siao P, Dawson K, Cros D. Assessment of IVIG Efficacy in CIDP Using Posturography : a Pilot Study. Muscle & Nerve. 2004.
319. Souayah N, Siao P, Cros D. Acute Sensory Neuropathy as Presenting Symptom of Sjogren Syndrome. Muscle & Nerve. 2003.
320. Souayah N, Siao P, Dreyer M, Schmahmann J, Cros D Acute Respiratory Failure as an Unusual Presentation of Myotonic Dystrophy. Neurology. 2003.
321. Souayah N, Greenstein J. Rhazes: The Use of Cranial and Spinal Cord Nerve Anatomy to Localize Neurologic Lesions. Neurology 2002;58:A344-A.
322. Khella SL, Souayah N. Thalidomide Polyneuropathy: A Retrospective Double-Masked Placebo-Controlled Study in an Elderly Population with Age-Related Macular Degeneration. Neurology 2001;56:A208-A9.
323. Souayah N, Krendel D. Progressive Central Cervous System Vasculopathy Associated with Cocaine. Neurology 2001;56:A419-A20.
324. Khella SL, Rajan N, Lakshminarayana S, Souayah N. Low Dose Cyclosporine-A in Myasthenia Gravis. Neurology 2000;54:A394-A.
325. Souayah N, Krendel DA. Central Nervous System Demyelination in Type I Diabetes. Neurology 2000;54:A441-A2.

326. Souayah N, Khella SL. Peripheral Neuropathy Associated with Hepatitis C and Cryoglobulinemia: Treatment with Cyclophosphamide. Annals of Neurology 1999;46:492.

PRESENTIONS (Poster and Platform Presentations in National and International Meetings):

A. Scientific *(Basic Science)*:

71rd American Academy of Neurology Annual Meeting. May 2019. Philadelphia, PA

1. Chen H, Souayah N. In vitro Microglia Cell Line and Human Mesenchymal Stem Cells Viability IS Inhibited by Hydrogen Gas.

69rd American Academy of Neurology Annual Meeting. April 2017. Boston, MA

1. Chen H, Souayah N. Ficolin 3, a potential biomarker for demyelination in diabetic neuropathy.
2. Arismendi G, Souayah N, Rameshwar P. Gamma irradiated microglia produce exosomes that cause molecular and functional changes in neurons: a human model system.

68rd American Academy of Neurology Annual Meeting. April 2016. Vancouver, Canada

1. Souayah N, Chen H. Ionizing Radiation Induces Cellular Senescence in Human Microglial cell.
2. Chen H; Souayah N. Ionizing Radiation Induces Autophagy in Human Microglial Cells.

67rd American Academy of Neurology Annual Meeting. April 2015. Washington DC

1. Chen H, De Toledo S, Goodus M, Azzam E, Levision S,Souayah N. In Vitro and in Vivo Effects of Ionizing Radiation on Cell Cycle Progression and Self-Renewal of Sub ventricular Zone Neural Precursors.
2. Chong ZZ, Chen H, Liu T, Li H, Souayah N. Identification of High Glucose Induced Cell Signaling Human in Schwann Cells.
3. Chen H, Sander H, Souayah N. The effect of Hyperglycemia on Human Schwann Cell. .

66rd American Academy of Neurology Annual Meeting. April 2014. Philadelphia PA

1. Souayah N, Chen H. New Markers For Demyelination In Diabetic Neuropathy: A Novel Strategy.
2. Chen H, Souayah N. Effects of Ionizing Radiation on Human Microglial Cells.
3. Chen H, Souayah N. Ionizing Radiation Arrests Sub ventricular Zone Neural Precursors in G2/M without Affecting Long-Term Self-Renewal.

60th American Association of Electrodiagnostic Medicine Annual Scientific Meeting October 2013. San Antonio, TX

Souayah N, Chen H, Chen ZW, Ilyas A, Binding Of Rabbit Anti-Lm1 Antibodies With Human Schwann Cells In Culture.

64rd American Academy of Neurology Annual Meeting April 2012. New Orleans

Chen HX, Levison S, De Toledo S, Azzam E, **Souayah N**. Effects of Ionizing Radiation on Neural Precursor Cells.

Souayah N; Ende N, Chen HX. The Cytokine Profile of Human Umbilical Cord Blood.

62nd American Academy of Neurology Annual Meeting April 2010. Toronto.

Souayah N, Mehyar LS, Baker N, Levison SW. Radiation Sensitivity of Neural and Progenitor Stem Cells.

61st American Academy of Neurology Annual Meeting April 2009. Seattle

1. Frederikse P, Bitel C, Feng YC, Wong P, Souayah N. Alzheimer A beta Pathology in an Animal Model of Diabetic Neuropathy.
2. Frederikse PH, Bitel CL, Feng YC, Souayah N. Classic Prion Protein, Alzheimer A beta, Superoxide Dismutase 1, and Nitric Oxide Synthase 1,2 Pathology and Inclusion Body Myositis-Like Muscle Degeneration in an Animal Model of Systemic Pathophysiology in Diabetes: An In Situ and Quantitative Biochemical Analysis.

60rd American Academy of Neurology Annual Meeting April 2008. Chicago

Human Umbilical Cord Blood Mononuclear Cells Produces Human IL−10 in Mice without Immunosuppression.

59rd American Academy of Neurology Annual Meeting April 2007. Boston.

1. Reductions in motor unit number estimates (MUNE) in a mouse lacking a neuronal calcium pump, plasma membrane calcium ATPase 2 (PMCA2).
2. Motor unit number estimate in an animal model of diabetes.

57rd American Academy of Neurology Annual Meeting. March 29-April 5, 2005. Miami, Florida.

1. Human Mesenchymal Stem Cells into Functional Neurons: Relevance to RNA Interference in Neural Development.
2. Targeting Secreted Phospholipase A2 in Human Plasma To Prevent Neurodegeneration.

56rd American Academy of Neurology Annual Meeting March 29-April 5, 2004. San Francisco. CA

Effect of a new Phospholipase A2 Inhibitor on acute brain injury

B. Professional *(Clinical)*:

71rd American Academy of Neurology Annual Meeting. May 2019. Philadelphia, PA

1. Chen H, Souayah N. In vitro Microglia Cell Line and Human Mesenchymal Stem Cells Viability IS Inhibited by Hydrogen Gas.
2. Bouchachi S, Souayah N. Extending The Clinical Spectrum of Dejerine Sottas Syndrome: A new Family With Cognitive Impairment And Hearing Loss Carrying Trembler Mutation.
3. Nolasco K, Souayah N. Guillain- Barré Syndrome following Influenza Vaccination in the United States: A CDC/FDA Vaccine Adverse Event Reporting System Study, 1990-2016.
4. Zhang Y, Nolasco K, Islam S, Vaidya J, Atluri V, Shafiq B, Souayah N. Trends In Outpatient And Hospitalization Charges Relevant To the Management of Chronic Inflammatory Demyelinating Polyneuropathy: A Statewide Planning and Research Cooperative System (SPARCS) Study 2002-2014.
5. Zhang Y, Nolasco K, Islam S, Vaidya J, Atluri V, Shafiq B, Souayah N. Long Term Differential Outcomes of CIDP Patients After Using IVIG, Plasmapheresis,

Or Corticosteroids: A Statewide Planning and Research Cooperative System (SPARCS) Study 2002-2014.

6. Hilmi KA, Souayah N, Nolasco K, Tamanna, KN. Miller Fischer Syndrome after Vaccination in the United States: A CDC/FDA Vaccine Adverse Event Reporting System Study, 1999-2017.
7. Islam S, Zhang Y, Yueqing N, Kevin V, Vaidya J, Atluri V, Shafiq B, Souayah N. Does CIDP Increase The Risk of Acquiring Other Autoimmune Disorders? A New York State Planning and Research Cooperation System Database Analysis (1998-2014). (Accepted for AAN annual meeting 2019, Philadelphia, PA).
8. Sheikh S, Nolasco K, Nisar T, Nasar A, Souayah N. Are the choices of Therapeutic options for the Management of Myasthenia Gravis Crisis with acute respiratory failure-Influenced by the patient's Age. A New York State Planning and Research Cooperation System Database Analysis (1998-2014).

64th American Association of Electrodiagnostic Medicine Annual Scientific Meeting. October 20187. Washington DC

1. Sheikh S, Patel J, Abdulrazeq H, Abu Nasar, Souayah N. Association between Amyotrophic Lateral Sclerosis and Diabetes Mellitus Type I and II, a New York State Planning and Research Cooperation System Database Analysis (1998-2014).
2. Sheikh S, Patel J, Abdulrazeq H, Abu Nasar, Souayah N. Myasthenia Gravis Therapeutic Intervention Charges Comparison. A New York State Planning and Research Cooperation System Database Analysis (1998-2014).
3. Sheikh S, Patel J, Abdulrazeq H, Abu Nasar, Souayah N. Plasmapheresis Versus Intravenous Immunoglobulin Versus Steroids in The Treatment of Myasthenia Gravis Crisis. A New York State Planning and Research Cooperation System Database Analysis (1998-2014).
4. Sheikh S, Patel J, Abdulrazeq H, Abu Nasar, Souayah N. Disposition of Patients Diagnosed with Myasthenia Gravis Crisis, a New York State Planning and Research Cooperation System Database Analysis (1998-2014).
5. Bouchachi S, Abdulrazeq H, Sander H, Souayah N. Extending the clinical Spectrum of Dejerine Sottas Syndrome: a new family with cognitive impairment and hearing loss carrying Trembler mutation.

70rd American Academy of Neurology Annual Meeting. April 2018. Los Angeles CA

1. Thulasi V, Savage T, Souayah N, Feinstein E. The Relationship Between Facial Nerve Palsy and Vaccination.
2. Patel J , Alchaki A, Fakher Eddin M, Souayah N. Development of Optic Neuritis after Vaccination, A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study, 1990-2017.
3. Hanumanthu R, Sanghani N, Shah S, Souayah N. Pediatric Myasthenia Gravis After Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2017).
4. Fakhera Eddin M, Patel J, Alchaki A, Souayah N. Development of Multiple Sclerosis relapse flare after Vaccination, A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study, [1987-2017].

5. Shah S, Sanghani S, Hanumanthu R, Souayah N. Brachial plexopathy after influenza vaccination in adults in the USA. A report from the CDC/FDA Vaccine Adverse Event Reporting System (1990-2017).
6. Shah S, Patel J, Alchaki A, Fakher Eddin M, Souayah N. Development of Transverse Myelitis after Vaccination, A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study, 1985-2017.
7. Alshaqi O, Alchaki A, Patel J, Souayah N. The Contribution of Medieval Islamic Scholars to the Progress of Neuroscience; Headache.
8. Sanghani N, Hanumanthu R, Shah S, Souayah N(Rutgers). Myasthenia Gravis after Vaccination in Adults the United States: A Report from the CDC/FDA Vaccine Adverse Event Reporting System (1990-2017).
9. Sheikh S, Patel J, Nasar A, Souayah N. Disposition of Patients Diagnosed with Myasthenia Gravis Crisis, a New York State Planning and Research Cooperation System Database Analysis (1998-2014).
10. Patel J, Sheikh S, Nasar, Souayah N. Myasthenia Gravis Therapeutic Intervention Charges Comparison. A New York State Planning and Research Cooperation System Database Analysis (1998-2014).
11. Nasar A, Sheikh S, Souayah N. Association between Amyotrophic Lateral Sclerosis and Diabetes Mellitus Type I and II, a New York State Planning and Research Cooperation System Database Analysis (1998-2014).
12. Fakher Eddin M, Patel J, Alchaki A, Souayah N. Development of Clinically Isolated Syndrome after Vaccination, A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study, [1985-2017].

64th American Association of Electrodiagnostic Medicine Annual Scientific Meeting. September 2017. Phoenix Arizona

1. Gomez F, Souayah N. Guillian-barre syndrome (GBS) in children after influenza vaccination, an analysis of the vaccine adverse event reporting system (VAERS) database, 1991-2015. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
2. Gomez F, Souayah N. Factors associated with intubation and mechanical ventilation in critical illness myopathy (CIM), an analysis of New York statewide planning and research cooperation system (SPARCS) data 1998-2014. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
3. Gomez F, Souayah N. Factors associated with intubation in HIV patients presenting with critical illness myopathy or polyneuropathy, a NewYork statewide planning and research cooperation system database report. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
4. Gomez F, Souayah N. Guillain-barre syndrome (GBS) in children after influenza vaccination, an analysis of the vaccine adverse event reporting system (VAERS) database, 1991-2015. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)
5. Gomez F, Souayah N. Factors associated with intubation in critical illness polyneuropathy (CIP), a New York statewide planning and research cooperation system (SPARCS) database report from 1998 to 2014. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)

6. Opila T, Souayah N. Examining outcomes of multifocal motor neuropathy (MMM) cases using the nationwide inpatient sample (NIS), for 2003-2012. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)

7. Sheikh S, Souayah N. Association between amyotrophic lateral sclerosis and myasthenia gravis. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)

8. Sheikh S, Souayah N. ALS associations with diabetes. (Accepted for AANEM annual meeting 2017, Phoenix Arizona)

69rd American Academy of Neurology Annual Meeting. April 2017. Boston MA

1. Veitina j, Nasir K, Gomez F, Souayah N. Guillian-Barre Syndrome (GBS) in Children after Influenza Vaccination , An analysis of the Vaccine Adverse Event Reporting System (VAERS) Database, 1991-2015.
2. Gomez F, Veitia J, Kornitzer J, Abu Nasar, Souayah N. Factors Associated with Intubation in Critical Illness Polyneuropathy (CIP), a New York Statewide Planning and Research Cooperation System (SPARCS) Database Report from 1998 to 2014.
3. Veitia J, Gomez F, Kornitzer J, Abu Nasar, Souayah N. Factors associated with Intubation in HIV positive patients presenting with Critical Illness Myopathy (CIM) or Polyneuropathy (CIP), A New York Statewide Planning and Research Cooperation System Database Report.
4. Gomez F, Veitia J, Kornitzer J, Abu Nasar, Souayah N. Exploring Factors Associated with Intubation and Mechanical Ventilation in Critical Illness Myopathy (CIM), an Analysis of New York Statewide Planning and Research Cooperation System (SPARCS) Data 1998-2014.
5. Kornitzer J, Abu Nasar, Souayah N Differentiating Flail Limb Syndrome from Amyotrophic Lateral Sclerosis.

63th American Association of Electrodiagnostic Medicine Annual Scientific Meeting. September 2016. New Orleans Louisiana

1. Chaudhary M, Nasar A, Gomez F, Souayah N. Factors Linked To Mortality In Amyotrophic Lateral Sclerosis Patients During 1998-2014: A New York Statewide Planning And Research Cooperation System Database Report.
2. Chaudhary M, Nasar A, Gomez F, Souayah N. Comparing Outcomes And Charges of Myasthenia Gravis Patients Treated With Intravenous Immunoglobulin Versus Plasma Exchange: A 1998-2014 New York Statewide Planning And Research Cooperation System Data.
3. Gomez F, El-Ghanem M, Nasar A, Souayah N. Intravenous Immunoglobulin Versus Plasma Exchange Outcomes And Costs In Guillain–Barré Syndrome: A New York Statewide Planning And Research Cooperation System Database Report.
4. Gomez F, El-Ghanem M, Nasar A, Souayah N. Comparing Outcomes And Costs In Chronic Inflammatory Demyelinating Polyneuropathy In Patients Treated With Intravenous Immunoglobulin Versus Steroids Or Other Treatments.
5. Veitia J, Gomez F, Souayah N. Influenza Vaccination And Guillain–Barré Syndrome: An Analysis Of The Vaccine Adverse Event Reporting System For 1991-2015.
6. Gomez F, El-Ghanem M, Nasar A, Souayah NInfluenza Vaccination And Development Of Guillain–Barré Syndrome In Adults: A Vaccine Adverse Event Reporting System And Vaccine Safety Datalink Analysis For 1991-2000.
7. Opila T, Souayah N. Examining Inpatient Outcomes For Chronic Inflammatory Demyelinating Polyneuropathy Populations Administered Intravenous Immunoglobulin And Plasma Exchange.
8. Opila T, Souayah N. Examining Acute Care Patient Outcomes For Polymyositis And Dermatomyositis Immunoglobulin And Intravenous Steroid Treatment Groups, Using The Nationwide Inpatient Sample.

68rd American Academy of Neurology Annual Meeting. April 2016. Vancouver, Canada

1. Gomez F, El-Ghanem M, Abu Nasar, Souayah N. Association Between Influenza Vaccination and Development of Guillain-Barré Syndrome in Adults. A Vaccine Safety Datalink (VSD) and Vaccine Adverse Event Reporting System (VAERS) Study.
2. Chen H, Chong ZZ, Souayah N. Hyperglycemia Enhanced HSC Cells Sensitivity to Hypoxia.
3. Veitia j, Gomez F, Abu Nasar, Souayah N. Guillian-Barre Syndrome after Influenza Vaccination in the United States, 1999-2015. A CDC/FDA Vaccine Adverse Event Reporting System (VAERS) Study.
4. El-Ghanem M, Gomez F, Abu Nasar, Souayah N. IVIg Versus Plasmapheresis Outcomes and Costs in Patients Diagnosed with Guillian-Barre Syndrome(2009-2013). A New York Statewide Planning and Research Cooperation System (SPARCS) Database Report.
5. El-Ghanem M, Gomez F, Abu Nasar, Souayah N. Trends in Outcome and Cost of Hospitalization in Chronic Inflammatory Demyelinating Polyneuropathy Patients Treated with IVIG, Versus Steroid or Other Treatments (2009-2013). A New York Statewide Planning and Research Cooperation System (SPARCS) Database Report.
6. Opila T, Battaglia N, Souayah N. Health Disparities among Patients Diagnosed with Diabetic Neuropathy in the HCUP Nationwide Inpatient Sample.
7. Opila T, Souayah N. Examining Case Demographics for Myasthenia Gravis (MG) Comorbidities, to Compare Plasmapheresis (plex) and Immunoglobulin (IVIG) Treatment Outcomes in US Hospitals, When Stratifying by Economic Indicators.

62th American Association of Electrodiagnostic Medicine Annual Scientific Meeting October 2015. Honolulu Hawaii

Opila T, Souayah N Effect of Autoimmune Comorbidity on Trends in Outcome and Hospitalization Charges of Myasthenia Gravis Patients Treated with Plasma Exchange and Intravenous Immunoglobulin

67rd American Academy of Neurology Annual Meeting. April 2015. Washington DC

1. Pahwa A, Allan M, Sander H, Souayah N. The Safety Profile of Home Infusion of Intravenous Immunoglobulin in Neuroimmunological Disorders.
2. Pahwa A, Opila T, El-Ghanem M, Souayah N. Trends in Outcome and Hospitalization Charges of Infantile Botulism in the United States: A Comparative Analysis between Kids' Inpatient Database (KID) and National Inpatient Sample (NIS).
3. Opila T, Sander H, Souayah N. The Effect of Gender and Bimodal Age Distribution on Hospitalization Charges and Outcomes for Myasthenia Gravis Patients Treated with Intravenous Immunoglobulin Compared to Plasmapheresis.
4. Chen H, De Toledo S, Goodus M, Azzam E, Levison S, Souayah N. In Vitro and In Vivo Effects of Ionizing Radiation on Cell Cycle Progression and Self-Renewal of Sub ventricular Zone Neural Precursors.
5. Kornitzer J, Philips M, Marks D, Lee H, Souayah N. Alice in Wonderland Syndrome Associated With a Temporo-Parietal Cavernoma.

66rd American Academy of Neurology Annual Meeting. April 2014. Philadelphia PA

1. Wang W, Pahwa A, Hi W, Souayah N. Trends in Outcome and Cost of Hospitalization of Mechanically Ventilated Adult Myasthenia Gravis Patients from 1992 to 2009.
2. Ji A, Pahwa A, Souayah N. Trends in Outcome and Cost of Hospitalization of Elderly Myasthenia Gravis Patients from 1992 to 2009 Data from Nationwide Inpatient Survey (NIS)1997-2009.
3. Hi W, Pahwa A, Souayah N. Trends in Outcome and Cost of Hospitalization of Adult Myasthenia Gravis. Data Analysis from Nationwide Inpatient Survey (NIS) from 1992 to 2009.
4. Souayah N, Chen H. The Effect Hyperglycemia on Human Schwann Cell.
5. El-Ghanem M, Pahwa A, Souayah N. Trends in Outcome and Cost of Hospitalization of Elderly Myasthenia Gravis Patients Treated with Plasmapheresis from 1992 to 2009.
6. El-Ghanem M, Pahwa A, Souayah N. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Botulism in the United States: A Comparative Analysis Between Kids' Inpatient Database (KID) and National Inpatient Sample (NIS).

7. Pahwa A, Souayah N. Is Intravenous Immunoglobulin More Cost Effective Than Plasmapheresis in Treatment of Pediatric Myasthenia Gravis Patients? -Data from Kids' Inpatient Database (KID) and Nationwide Inpatient Sample (NIS).
8. Pahwa A, Souayah N. The Safety Profile of Home Infusion of Intravenous Immunoglobulin in Neuroimmunological Disorders.
9. Sheikh Z, Pahwa A, Souayah N. Evaluation of Conduction Slowing in Amyotrophic Lateral Sclerosis: A novel Approach.
10. Sheikh Z, Pahwa A, Souayah N. Electro diagnostic Profile of Demyelination in Diabetic Neuropathy: A novel approach.
11. Sullivan K, Pahwa A, Souayah N. Trends in Outcome and Hospitalization Charges for Pediatric Patients Admitted with Guillain Barre Syndrome Treated with Intravenous Immunoglobulin in the United States. Data from Kids' Inpatient Database (KID), 1997-2009.
12. Ayer G, Souayah N. Efficacy and Safety of Home Infusion of Intravenous Immunoglobulin in Multifocal Motor Neuropathy: A longitudinal study.
13. Ayer G, Souayah N. A retrospective analysis of patient-reported outcomes for 34 patients with Stiff Person Syndrome receiving home IVIG infusions.
14. Wang, W, Hi W, Souayah N. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Guillain Barre Syndrome Treated with Plasmapheresis in the United States. Data from Kids' Inpatient Database (KID) 1997-2009.

60th American Association of Electrodiagnostic Medicine Annual Scientific Meeting October 2013. San Antonio, TX

Hasan A, Souayah N. Safety and Efficacy of Subcutaneous Immunoglobulin in the Management of Neuromuscular Disorders.

65rd American Academy of Neurology Annual Meeting. March 2013. San Diego California

1. Sander H; A. Elenein R, He W, Sheikh Z, Al Qudah Z, **Souayah N**. Trends in Outcomes and Hospitalization Costs among Pediatric Myasthenia Gravis Patients in the United States. Data from Kids' Inpatient Database (KID) 1997-2009.
2. **Souayah N**; A. Elenein R, He W. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Botulism in the United States. Data from Kids' Inpatient Database (KID) 1997-2009.
3. Chen H; **Souayah N**. Effects of Ionizing Radiation on Human Microglial Cells.
4. Chen H; Qureshi A, **Souayah N**. Amyotrophic Lateral Sclerosis Mortality Variation among Different Racial/Ethnic Groups in United States.
5. Al Qudah Z; A. Elenein R, He W, **Souayah N**. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Myasthenia Gravis Treated with Plasmapheresis in the United States. Data from Kids' Inpatient Database (KID) 1997-2009.
6. Al Qudah Z; A. Elenein R, He W, **Souayah N**. Trends in Outcome and Hospitalization Charges of Pediatric Patients Admitted with Myasthenia Gravis Treated with Intravenous Immunoglobulin in the United States. Data from Kids' Inpatient Database (KID) 1997-2009.
7. Kheradia T; Khan H, Saxena A, A. Elenein R, Al Qudah Z, **Souayah N**. Trends in Outcomes and Hospitalization Charges among Adult Patients with Guillain- Barrie Syndrome, Treated with Intravenous Immunoglobulin in the United States (1992-2009).
8. A. Elenein Rania; HeW, **Souayah N**. Is Intravenous Immunoglobulin More Cost Effective Than Plasmapheresis in the Treatment of Pediatric Guillain Barre Syndrome. Data from Kids' Inpatient Database (KID) 1997-2009.
9. A. Elenein R; HeW, **Souayah N**. Is Intravenous Immunoglobulin Is More Cost Effective Than Plasmapheresis in the Treatment of Pediatric Myasthenia Gravis. Data from Kids' Inpatient Database (KID) 1997-2009.

10. Sagar R; Khan H, A. Elenein R, Al Qudah Z, **Souayah N**. Trends in Outcomes and Hospitalization Charges among Adult Patients with Guillain- Barrie Syndrome, Treated with Plasmapheresis in the United States (1992-2009).
11. Sheikh Z, Khan H, Ji A, Kheradia T, Al Qudah Z, Saxena A, **Souayah N**. Trends in Outcome and Cost of Hospitalization of Adult Myasthenia Gravis Patients Treated with Plasmapheresis from 1992 to 2009. NIS Database Analysis.

59th American Association of Electrodiagnostic Medicine Annual Scientific Meeting September 2012. Orlondo. Florida.

1. **Souayah N,** Maybodi L, Ende N. The Cytokines Expression in Diabetic Neuropathy
2. **Souayah N,** Chen L, Maybodi L. Urine Secretory Phospholipase Activity: A novel Marker For Neuroinflammation in Diabetic Neuropathy.
3. **Souayah N,** Chen L, Maybodi L, Ende N. Cytokines Expression in Chronic inflammatory Demyelinating Polyneuropathy.

64rd American Academy of Neurology Annual Meeting April 2012. New Orleans

1. Abukwaik W, Al Qudah Z, **Souayah N**. Multiple Sclerosis after Vaccination in the United States, a Report from the CDC/FDA Vaccine Adverse Event Reporting System (1990-2010).
2. Abukwaik W; Khan H, Sheikh Z, **Souayah N**. Trends in Outcome and Cost of Hospitalization of Pediatric Myasthenia Gravis Patients Treated with Intravenous Immunoglobulin from 1992 to 2009.
3. Al Qudah Z; Abukwaik W, **Souayah N**. Stroke After Vaccination in United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. [1990-2010].
4. Al Qudah Z; Abukwaik W, Patel H, **Souayah N**. Encephalitis after Vaccination in United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System.[1990-2010].
5. Chen HX; Ende N, **Souayah N**. The Cytokine Profile of Chronic inflammatory Demyelinating Polyneuropathy.
6. Crescenzi M; **Souayah N**. Prevalence of Patients with Multiple Neurological Autoimmune Diagnoses.
7. Hasan A; Khan H, Sheikh Z, **Souayah N**. Trends in Outcome and Cost of Hospitalization of Elderly Myasthenia Gravis Patients Treated with Intravenous Immunoglobulin from 1992 to 2009.
8. Kheradia T; Khan H, Sheikh Z, Saxena A, Islam S, **Souayah N**. Trends in Outcomes and Hospitalization Charges Among Mechanically Ventilated Adult Patients with Status Epilepticus in the United States (1994-2009).
9. Maybodi L; Ende N, Chen HX, **Souayah N**. A Novel Marker for Neuroinflammation in Diabetic Neuropathy.
10. Maybodi L; Ende N, Chen HX, **Souayah N**. The Cytokine Profile of Diabetic Neuropathy.
11. Patel T; Kahn H, Sheikh Z, **Souayah N**. Trends in Outcomes and Hospitalization Charges among Non Mechanically Ventilated Elderly Patients with Status Epilepticus in the United States (1994-2009).
12. Patel T; Khan H, Sheikh Z, **Souayah N**. Trends in Outcomes and Hospitalization Charges among Non Mechanically Ventilated Elderly Patients with Status Epilepticus in the UnitedStates (1994-2009).
13. Patel T; Khan H, Sheikh Z, **Souayah N**. Trends in Outcomes and Hospitalization Charges among Mechanically Ventilated Elderly Patients with Status Epilepticus in the United States (1994-2009).
14. Rajasingham J; **Souayah N**. Neurosarcoidosis Revealed by Isolated Abducens Nerve

Palsy.

15. Saxena A; Khan H, Kheradia T, Sheikh Z, Islam S, **Souayah N**. Trends in Outcomes and Hospitalization Charges among Non Mechanically Ventilated Pediatric Patients with Status Epilepticus in the United States (1994-2009).
16. Sheikh Z; Abukwaik W, **Souayah N**. Meningitis after Vaccination in United States, a Report from the CDC/FDA Vaccine Adverse Event Reporting System [1990-2010].
17. Sheikh Z; Abukwaik W, **Souayah N**. Ataxia after Vaccination in United States, a Reportfrom the CDC/FDA Vaccine Adverse Event Reporting System [1990-2010].

63rd American Academy of Neurology Annual Meeting April 2011. Honolulu.

1. Trends in Outcomes and in Severity, Hospitalization Costs and Outcomes among Adult Patients with Traumatic Brain Injury in the United States. AAN. 2011.
2. Trends in Outcomes, Severity and Hospitalization Costs among Traumatic Brain Injury in Pediatric Patients in the United States. AAN. 201.
3. Is Intravenous Immunoglobulin Is More Effective Than Plasmapheresis in the Treatment of Guillain-Barre Syndrome. AAN 2011.
4. Trends in Outcome and Cost of Hospitalization of Adult Guillain-Barre Syndrome Patients Treated with Plasmapheresis. Neurology. AAN 2011.
5. Trends in Outcome and Cost of Hospitalization of Adult Mechanically Ventilated Guillain-Barre Syndrome Treated with Plasmapheresis. AAN. 2011.
6. Trends in Outcome and Cost of Hospitalization of Adult Mechanically Ventilated Guillain-Barre Syndrome Patients Treated Intravenous Immunoglobulin. AAN 2011.
7. Trends in Outcome and Hospitalization Cost among Adult Patients with Acute Ischemic Stroke and Autonomic Dysfunction in the United States. AAN 2011.
8. Trends in Outcomes, Severity and Hospitalization Costs among Pediatric Traumatic Spinal Cord Injury Patients in the United States. AAN 2011.
9. Myopathies after Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2010). AAN 2011.
10. Miller Fisher Syndrome after Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2010). AAN 2011.
11. Trends in Outcomes and Hospitalization Costs among Spinal Cord Injury Adult Patients in the United States.AAN 2011.
12. Trends in Outcomes and Hospitalization Costs among Traumatic Brain Injury in Pediatric Patients in the United States. AAN 2011.
13. Trends in Outcome and Cost of Hospitalization of Adult Guillain-Barre Syndrome Patients Treated Intravenous Immunoglobulin. AAN 2011.
14. The Safety Profile of Home Infusion of Intravenous Immunoglobulin in Neurological Disorders. AAN 2011.
15. Conduction Slowing in Diabetic Neuropathy. AAN 2011.
16. Electrodiagnotic Profile of Conduction Velocity Slowing in Amyotrophic Lateral Sclerosis. AAN 2011.
17. Trends in Outcomes, Severity and Hospitalization Costs among Adult Traumatic Spinal Cord Injury Patients in the United States. AAN 2011.
18. Intravenous Immunoglobulin Is More Cost Effective Than Plasmapheresis in the Treatment of Pediatric Guillain-Barre Syndrome. AAN 2011.
19. Trends in Outcomes and Hospitalization Costs among Pediatric Spinal Cord Injury Patients in the United States. AAN 2011.

58th American Association of Electrodiagnostic Medicine Annual Scientific. Meeting. Québec City, Québec. Canada. September 2011. San Francisco

1. Acquired Myopathies After Vaccination in the United States. AANEM 2011 San Francisco
2. Does Motor Neuron Disease Occur After Vaccination? AANEM 2011 San Francisco
3. Facial Palsy After Vaccination. AANEM 2011San Francisco
4. Myasthenia Gravis After Vaccination. AANEM 2011San Francisco
5. A Novel Marker For Neuroinflammation In Diabetic Neuropathy. AANEM 2011San Francisco

6. Trends In Outcome And Cost Of Hospitalization Of Pediatric Guillain-Barré Syndrome Patients Treated With Plasmapheresis. AANEM 2011San Francisco
7. Trends In Outcome And Hospitalization Charges Of Pediatric Guillain-Barré Syndrome Patients Treated Intravenous Immunoglobulin. AANEM 2011
8. Plexopathies After Vaccination. AANEM 2011
9. Primary Demyelination May Contribute To Conduction Slowing In Diabetic Distal Symmetric Polyneuropathy. AANEM 2011.

57th American Association of Electrodiagnostic Medicine Annual Scientific. Meeting. Québec City, Québec. Canada. October 2010

1. Guillain-Barre Syndrome After Gardasil Vaccination In The United States. AANEM 2010.
2. H Racemose Spinal Neurocysticercosis. AANEM 2010.
3. Trends In Outcomes And Hospitalization Charges In Inflammatory Myopathies. AANEM 2010.
4. Trends In Outcomes And Hospitalization Charges In Pediatric Guillain-Barre Syndrome. AANEM 2010.
5. Trends In Outcomes And Hospitalization Charges In Neonatal Brachial Plexus Palsy. Junior member recognition award from the AANEM 2010.
6. Trends In Outcomes And Hospitalization Charges In Pediatric Myasthenia Gravis the AANEM 2010.
7. Guillain-Barre Syndrome after H1N1 Vaccination in the United States: A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (2009). AANEM 2010.
8. Duchenne Muscular Dystrophy: Prolongation of Survival By Noninvasive Respiratory I nterventions. AANEM 2010.

62rd American Academy of Neurology Annual Meeting April 2010. Toronto.

1. Samizadeh M, Farhad K, Mehyar LS, Khan H, Souayah N. Trends in Outcomes and Hospitalization Costs among Pediatric Spinal Cord Injury Patients in the United States.
2. Mehyar LS, Khan H, Al-Kariem ZA, Al-Qudah A, Islam S, Souayah N. Trends in Outcomes and Hospitalization Costs of Infantile Botulism in United States.
3. Saulat B, Mehyar LS, Khan H, Abou Elenein R, Souayah N. Trends in Outcomes and Hospitalization Cost of Adult Patients with Botulism in the United States.
4. Farhad K, Hafiz K, Nsar A, Souayah N. Trends in Outcomes and Hospitalization Costs among Spinal Cord Injury Adult Patients in the United States.
5. Farhad K, Khan H, Islam S, Souayah N. Trends in Outcomes and Hospitalization Costs among Traumatic Brain Injury in Pediatric Patients in the United States.
6. Souayah N, Nasar A, Farhad K, Yacoub H, Abou Elenein R, Tishuk P. Trends in Outcomes and Hospitalization Costs among Traumatic Brain Injury in Adult Patients in the United States.
7. Tishuk P, Cunningham T, Khan H, Souayah N. A New Marker for Neuroinflammation in Acute Adult Traumatic Brain Injury.
8. Al-Qudah ZAAA, Mehyar LS, Krivitskaya N, Hafiz K, Islam S, Souayah N. The Prevalence and Effect of Diabetes on the Course of Amyotrophic Lateral Sclerosis.
9. Samizadeh M, Farhad K, Khan H, Souayah N. Trends in Outcomes and Hospitalization Costs among Patients with Tetanus in the United States.
10. Hafiz KM, Mehyar LS, Saulat B, Islam S, Souayah N. Trends in Outcomes and Hospitalization Costs among Patients with Warding's Hoffman Disease in the United States.
11. Mehyar LS, Krivitskaya N, Khan H, Islam S, Nasar A, Lee HJ, et al. The Occurrence of Central Nervous System Demyelination in Diabetes.
12. Ainchaybah RH, Yacoub H, Souayah N. Serotonin Syndrome after Administration of Milnacipran for Fibromyalgia.
13. Khan HM, Yacoub H, Farhad K, Mehyar LS, Islam S, Saulat B, et al. Trends in Outcome and Hospitalization Cost among Adult Patients with Acute Ischemic Stroke in the United States.
14. Yacoub H, Khan H, Islam S, Souayah N. Guillain-Barre Syndrome after Influenza Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2009).

15. Yacoub H, Khan H, Islam S, Farhad K, Michas-Martin P, Saulat B, et al. Guillain-Barre Syndrome after Hepatitis Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (1990-2009).
16. Michas-Martin P, Kahn H, Islam S, Abou Elenein R, Farhad K, Saulat B, et al. Guillain-Barre Syndrome after GARDASIL Vaccination in the United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (2006-2009).
17. Nizar Souayah et al. Guillain-Barre Syndrome after H1N1 Vaccination in the United States: A Report from the CDC/FDA Vaccine Adverse Event Reporting System. (2009). Late breaking news.

56th American Association of Electrodiagnostic Medicine Annual Scientific. Meeting. San Diego. CA October 2009

1. Khan HM, Nasar A, Krivitskaya N, et al. Nerve Conduction Studies: Normative Data From Side-To-Side Comparison.
2. Khan HM, Nasar A, Krivitskaya N, et al. Mixed Median Nerve Conduction Study: Normative Data From Side-To-Side Comparison.
3. Nasar A, Krivitskaya N, Khan H, et al. National Trend In Amyotrophic Lateral Sclerosis Requiring Mechanical Ventilation.
4. Salameh J, Souayah N, Siao P. Role Of Maximum Voluntary Contraction In The Diagnosis Of Primary Demyelinating Polyneuropathy.

61rd American Academy of Neurology Annual Meeting April 2009. Seattle

1. Krivitskaya N, Hassan A, Cho ES, Khella S, Michas-Martin PA, Souayah N. Anterior Horn Syndrome Revealing Neurosarcoidosis.
2. Krivitskaya N, Suri MF, Nasar A, et al. A Prospective Observational Study of Autonomic Dysfunction among Patients with Stroke.
3. Michas-Martin P, Krivitskaya N, Khan H, Nasar A, Qureshi A, Souayah N. Guillain-Barre Syndrome after Vaccination with Gardasil in United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System.
4. Shhadeh A, Souayah S, Souayah N. The Contribution of Ibn Zuhr (Avenaor) to the Progress of Neuroscience.
5. Souayah N, Nasar A, Krivitskaya N, et al. Electrodiagnostic Profile of Demyelination in Diabetic Neuropathy.
6. Souayah N, Nasar A, Krivitskaya N, et al. A New Marker for Chronic Demyelination in Diabetic Neuropathy.
7. Souayah S, Shhadeh A, Souayah N. Contribution of Near Eastern Scholars to Neurology: El Zahrawi (Albucasis) 993-1064 AD.

55th American Association of Electrodiagnostic Medicine Annual Scientific. Meeting. Providence, Rhode Island September October 2008

1. Electrodiagnostic profile of demyelination in diabetic neuropathy.
2. Alteration Of Motor Function And Neuromuscular Transmission In Diabetic Mice
3. Asymmetric phenotype associated with rare Myelin Protein Zero (MPZ) mutation.
4. A Prospective Study of Autonomic Dysfunction Among Patients with Stroke

60rd American Academy of Neurology Annual Meeting April 2008. Chicago

1. Neuromuscular Junction Dysfunction in Diabetic Neuropathy.
2. Beneficial Effects of Rituxmab in Patients with Anti−MAG Neuropathy.
3. Small Fiber Neuropathy Following Vaccination for Rabies or Lyme Disease.
4. The Generator of Spontaneous Muscle Activity Following Upper Motor Neuron Injury Is Distal.
5. Central Nervous System Demyelination in Diabetes.
6. Description and Classification of Headaches by Ibn Sina (Avicenna).

54th American Association of Electrodiagnostic Medicine Annual Scientific. Meeting. Phoenix. Arizona October 2007

1. Atypical presentation of desmin myopathy mimicking Guillan Barre Syndrome.

2. Peripheral neuropathy as the presenting symptom of Ehlers-Danlos syndrome.
3. Isolated severe vasculitic neuropathy revealing sarcoidosis.
4. Effect of intravenous immunoglobulin on celiac disease cerebellar ataxia

59rd American Academy of Neurology Annual Meeting April 2007. Boston.

Guillain-Barre Syndrome after Vaccination in United States. A Report from the CDC/FDA Vaccine Adverse Event Reporting System (1990 to 2005).

53th American Association of Electrodiagnostic Medicine Annual Scientific. Meeting. Washington DC October, 11-14, 2006

1. Genetic Heterogeneity of Childhood Ptosis.
2. National trends in Guillain Barre Syndrome requiring mechanical ventilation.
3. Guillain-Barre Syndrome after Vaccination in United States.
4. Guillain Barre Syndrome after HIV T Cells Depletion.
5. A New Syndrome: Paraneoplastic Cerebellar Degeneration, Myasthenia Gravis and Thymoma.

58rd American Academy of Neurology Annual Meeting April 1-8, 2006. San Diego CA.

1. Trends in outcomes and hospitalization costs of patients with myasthenia gravis who are mechanically ventilated in United State.
2. Rare Myelin Protein Zero Sequence Variant in Late Onset CMT1B.

52th American Association of Electrodiagnostic Medicine Annual Scientific. Meeting. 2005. Monterey, CA

1. Posterior antebrachial cutaneous nerve conduction study technique.
2. Guillain-Barré syndrome triggered by influenza vaccination in a recipient of liver Transplant on FK506**. Junior member recognition award.**
3. Severe botulism after focal injection of Botulinium toxin.
4. Fatal Course in a Patient with Pure Congenital Muscular Dystrophy**. Junior member recognition award.**

51th American Association of Electrodiagnostic Medicine Annual Scientific Meeting. 2004. Georgia.

1. Relapsing GBS associated to a Nephrotic syndrome related to focal Glomerulosclerosis. **Junior member recognition award.**
2. Lumbosacral Magnetic Stimulation in lumbar plexopathy caused by retroperitoneal hematoma. **Junior member recognition award**

56rd American Academy of Neurology Annual Meeting March 29-April 5, 2004. San Francisco. CA

Contribution of near eastern scholar to neurology: Rhazes 870-930 AD

50th American Association of Electrodiagnostic Medicine Annual Scientific Meeting. September 16-20, 2003. San Francisco. CA

1. Posturography in burning feet neuropathy.
2. Assessment of IVIG efficacy in CIDP using Posturography: a pilot study.
3. Acute sensory neuronopathy as the presenting symptom of Sjögren syndrome. Junior member recognition award.

55rd American Academy of Neurology Annual Meting. March 29-April 5th. Honolulu/Hawaii.

Acute respiratory failure as an unusual presentation of myotonic dystrophy

54rd American Academy of Neurology Annual Meeting April 13-20, 2002. Denver. Colorado.

Rhazes: The use of cranial and spinal cord nerves anatomy to localize neurological lesions.

53rd American Academy of Neurology Annual Meeting May 5-13, 2001. Philadelphia. PA

1. Thalidomide Polyneuropathy: A prospective double masked placebo controlled study in an elderly population with age related macular degeneration.

2. Progressive central nervous system vasculopathy associated with cocaine

52th Annual Meeting. American Academy of Neurology April/May, 2000. San Diego.

1. Central nervous system demyelination in type 1 diabetes.
2. Souayah N Low doses of Cyclosporine A in myasthenia gravis

124thAnnual Meeting American Neurological Association October 1999. Seattle. Washington.

Peripheral neuropathy associated with hepatitis C and Cryoglobulinemia: treatment with Cyclophosphamide.

1. Souayah, N., et al., *Novel strategy: Identifying new markers for demyelination in diabetic distal symmetrical polyneuropathy.* Heliyon, 2024. **10**(9): p. e30419.