

CURRICULUM VITAE

DATE: 06/10/2024

NAME: Nizar Souayah MD FAAN FANA FAANEM

PRESENT TITLE:

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

Professor of Neurology, Pharmacology, Physiology, and Neuroscience. Rutgers, The State University of New Jersey. New Jersey Medical School, Newark NJ, and Robert Wood Johnson Medical School, New Brunswick, NJ.

CITIZENSHIP:

USA Citizen

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.

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11/1987-7/1990

Hospitals of Medical School of Strasbourg, France.
Internal Medicine.
11/1992-10/1997

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-Present

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-Present

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-Present

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

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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-Present

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-Present

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-Present

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS:

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

NA

LICENSURE:

2001 Massachusetts Board of Registration in Medicine

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(#213041 Exp: 10/09/2023)

2003 Medical Board of California

(# A85189 Exp:10/31/2025)

2004 New Jersey Board of Medical Examiners

(#25MA07746800 Exp:06/30/2025)

2010 New York State Education Department

(#252184-1 Exp: 09/30/2025)

DRUG LICENSURE:

2004 New Jersey Controlled Dangerous Substances (CDS)

(#D08553100 Exp: 10/31/2023)

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: 2024)

2004 Electrodiagnostic Medicine, American Board of Electro
diagnostic Medicine (#2914 Exp: 2024)

2008 Neuromuscular Medicine, American Board of Psychiatry and
Neurology (#179 Exp: 2028)

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

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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:

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>

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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-Present

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

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-Present

E. Department

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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

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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

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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-Present
Health Systems Subcommittee. 2017-Present

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

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Paris Thepmankorn Medical Student Rutgers, 2020- Present

Mustafa Jaffry Medical Student Rutgers, 2020- Present

Kranthi Mandava Medical Student Rutgers, 2020- Present

Mohsen Ahmed Medical Student Rutgers, 2020- Present

Brian Sun Medical Student Rutgers, 2020- Present

Mohamed Ors Medical Student Rutgers, 2020- Present

R Trivedi Medical Student Rutgers, 2020- Present

Kazim Jaffry Medical Student Rutgers, 2021- Present

Iqra Faiz Mater Student, 2022-Present

Kelly Saverino Student, 2023-Present

Joe Wardell Medical student 2023-Present

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

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 Oklahoma
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)	(Basic 2007-2009	Pediatric Attending
Lubna Mehyar MD	2010-2011	Neuro-oncology Pediatric

		Fellow
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

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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.

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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-Present 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-Present 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

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2010-Present 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.

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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.

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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 Electrodagnostic 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,

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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.

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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 sclerosis 1/1/2019-12/30/2019
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

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*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.

C. Pending

R21. Proteomic Identification of Diabetic Peripheral Neuropathy

Biomarkers, PI **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 Review – 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
- Janssen
- Shire
- MD for Patients

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- Atheneum
- J&J (Johnson & Johnson)

PUBLICATIONS:

A. Refereed Original Article in Journal

1. Chong ZZ, **Souayah N**. Crumbling Pathogenesis and Biomarkers for Diabetic Peripheral Neuropathy. *Biomedicines*, in press, 2025
2. 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
3. Chong ZZ, **Souayah N**. Radixin: Roles in the Nervous System and Beyond. *Biomedicines*, 12 (10): 2341, 2024
4. Chong ZZ, Menkes DL, **Souayah N**. Targeting neuroinflammation in distal symmetrical polyneuropathy in diabetes. *Drug Discov Today*, 29(8):104087, 2024. 5. Zhdanova, 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.

6. 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
7. **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
8. 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
9. 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
10. **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
11. Chong ZZ, Menkes DL, **Souayah N**. Pathogenesis underlying hexanucleotide repeat expansions in C9orf72 gene in amyotrophic lateral sclerosis. *Rev Neurosci* 2023
12. Brill, Vera; Hadden, Robert; Brannagan, Thomas ; Bar, Michal; Chroni, Elisabeth; Rejdak, Konrad; Rivero, Alberto; Andersen, Henning; Latov, Norman; Levine ,

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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.

13. 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.
14. 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.

15. 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.
16. 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
17. 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
18. 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.
19. 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.
20. 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.
21. Jaffry M, Faiz I, Jaffry K, **Souayah N**. Neurological Manifestations of SARS-CoV-2 Infection and the Role of Complement Activation. Touch Neuro 2022.
22. 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.
23. 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
24. 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
25. Chong ZZ, **Souayah N**. SARS-CoV-2 Induced Neurological Manifestations Entangles Cytokine Storm That Implicates For Therapeutic Strategies. Curr Med Chem 2021.

26. 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

27. 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
28. 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
29. Chen, H. and **Souayah N.** Immunoglobulins Reduced Oxidative Stress in Human Microglial Cells Induced by High Dose of Acetoacetate. Brain Res, 2020: p. 147054.
30. 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
31. **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.
32. Yacoub HA, Goldstein I, El-Ghanem M, Sharer L, **Souayah N.** Spinal racemose cysticercosis: case report and review. Hosp Pract (1995) 2017;1-5.
33. 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.
34. Al-Qudah ZA, Yacoub H, **Souayah N.** Cranial Nerve-VI Palsy as the Main Clinical Manifestation of Neurosarcoidosis. Neurologist 2016;21:109-111.
35. 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.
36. 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.
37. 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
38. 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).
39. 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

40. 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.
41. Quinn C, Salameh JS, Smith T, **Souayah N.** Necrotizing myopathies: an update. J Clin Neuromuscul Dis 2015;16:131-140.
42. 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.

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43. Yacoub H, Al-Qudah ZA, **Souayah N.** Cranial neuropathies in sarcoidosis. Word Journal of Ophthalmology. 2015, 5(1)16-22.
44. 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.
45. Yacoub HA, Al-Qudah ZA, and **Souayah N.** Cranial neuropathies in sarcoidosis. World Journal of Ophthalmology. February 12 2015;5(1):16-22.
46. 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).
47. **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.
48. **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.
49. 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.
50. 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.
51. **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.
52. **Souayah N,** YH, Khan H, Farhad K, Mehryar L, Maybodi L, Menkes D, Qureshi AI. Guillain-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.

53. 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.
54. 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.
55. **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.
56. **Souayah N**, Shafiq Mehryar 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.
57. **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.
58. 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.
59. **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.

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60. **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.
61. **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.
62. 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.
63. **Souayah N**, Hassan AE, Krivitskaya N, et al. Neurosarcoidosis presenting as an anterior horn syndrome. J Neuroimmunol 2010;225:132-136.
64. **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.
65. **Souayah N**, Tick Chong PS. Asymmetric phenotype associated with rare myelin protein zero mutation. J Clin Neuromuscul Dis

- 2010;11:110-113.
66. Yacoub HA, Johnson WG, **Souayah N**. Serotonin syndrome after administration of milnacipran for fibromyalgia. Neurology 2010;74:699-700.
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PRESENTATIONS (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, 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. 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.

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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, Mehryar 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,

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- 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].

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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 New York 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)

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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 N Influenza 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.

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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).

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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.

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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. Orlando. 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 United States (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

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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 Report from 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. Electrodiagnostic 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 2011 San Francisco
4. Myasthenia Gravis After Vaccination. AANEM 2011 San Francisco
5. A Novel Marker For Neuroinflammation In Diabetic Neuropathy. AANEM 2011 San Francisco

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6. Trends In Outcome And Cost Of Hospitalization Of Pediatric Guillain-Barré Syndrome Patients Treated With Plasmapheresis. AANEM 2011 San 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 Interventions. 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 Werdnig'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.

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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 Meeting. 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.

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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

124th Annual Meeting American Neurological Association October 1999. Seattle. Washington. Peripheral neuropathy associated with hepatitis C and Cryoglobulinemia: treatment with Cyclophosphamide.

