

MARWA BAALBAKI, M.D., M.S.C.R.

90 BERGEN ST, SUITE 5300, NEWARK NJ 07103
MARWA.BAALBAKI@RUTGERS.EDU

OBJECTIVE

Provide clinical care and conduct research in the field of Multiple Sclerosis/Neuroimmunology

CLINICAL EXPERIENCE

**Rutgers New Jersey Medical School – Department of Neurology
Newark, NJ**

Assistant Professor of Neurology
Multiple Sclerosis and Neuroimmunology Specialist

August 2025 –
Present

TRAINING

**Corinne Goldsmith Dickinson Multiple Sclerosis Center at the Mount Sinai Hospital
– Department of Neurology
New York, NY**

Fellowship Training in MS and Neuroimmunology

July 2023 – June
2025

**George Washington University – Department of Neurology
Washington, DC**

Residency Training in Neurology - Chief resident during PGY-4 and awarded the Dr. Mark
Platt award for excellence in a graduating resident

July 2020 – June
2023

**George Washington University – Department of Internal Medicine
Washington, DC**

Preliminary Year in Internal Medicine

June 2019 – June
2020

**Nehme and Therese Tohme Multiple Sclerosis Center at the American University of
Beirut – Department of Neurology
Beirut Lebanon**

Research Fellowship

June 2017 – June
2019

EDUCATION

**Icahn School of Medicine at Mount Sinai – Graduate School of Biomedical Sciences
New York, NY**

Master of Science in Clinical Research (MSCR) Program

Thesis: "Depression Symptoms Moderate Link between Infratentorial and Cervical Cord T2
Lesions on Gait Speed in Relapsing-Remitting Multiple Sclerosis"

September 2023 –
June 2025

**American University of Beirut – Faculty of Medicine
Beirut, Lebanon**

Research Fellowship Program – Certificate Awarded

June 2018 – May
2019

Marwa Baalbaki, M.D., M.S.C.R.

American University of Beirut – Faculty of Medicine
Beirut, Lebanon

Doctor of Medicine program – Majoring in Medicine

August 2013 – June
2017

American University of Beirut – Faculty of Arts and Sciences
Beirut, Lebanon

Bachelor of Science- majoring in Biology (graduated with distinction)

September 2010 –
June 2013

Grand Lycée Franco-Libanais

Beirut, Lebanon

French and Lebanese Baccalaureate 2010, General Sciences (with high honors in French Baccalaureate)

September 1995 –
June 2010

BOARD CERTIFICATION

American Board of Psychiatry and Neurology

Board Certified in Neurology, since 09/11/2023

LICENSURE

New York State Education Department, Office of Professions

Expires April 30th, 2026 – intend to renew

New Jersey Office of the Attorney General – Division of Consumer Affairs

Expires June 30th, 2027 – intend to renew

MEMBERSHIPS

Lebanese Order of Physicians (993/ب)

April 2018 –
Present

American Academy of Neurology Junior Member

June 2019 –
Present

CERTIFICATIONS/SKILLS

Certifications:

- BLS certified
- Certified by neurostatus.net for Expanded Disability Status Scale (EDSS)
- CITI certificates in Good Clinical Practice, Biomedical Research Basic, HIPAA and Data Security, Financial Conflict of Interest, and Rigor, Reproducibility and Ethical Conduct in Biomedical Research

Languages:

- Fluent in English, French, and Arabic

Marwa Baalbaki, M.D., M.S.C.R.

Computer:

- MS office (Word, Excel, Powerpoint, Access)
- Research software (SPSS, SAS, EndNote)

Practical:

- Trained on performing optical coherence tomography scans
- Brain segmentation using MITK software

PUBLICATIONS

- L. Chehabeddine, T. Al Saleh, **M. Baalbaki**, E. Saleh, S. J. Khoury and S. Hannoun (2019). "Cumulative administrations of gadolinium-based contrast agents: risks of accumulation and toxicity of linear vs macrocyclic agents." *Critical Reviews in Toxicology*: 1-18. DOI: 10.1080/10408444.2019.1592109
- S. Hannoun, **M. Baalbaki**, R. Haddad, S. Saaybi, N. K. El Ayoubi, B. I. Yamout, S. J. Khoury and R. Hourani (2018). "Gadolinium effect on thalamus and whole brain tissue segmentation." *Neuroradiology* 60(11): 1167-1173. DOI: 10.1007/s00234-018-2082-5
- S. Hannoun, R. Issa, N. K. El Ayoubi, R. Haddad, **M. Baalbaki**, B. I. Yamout, S. J. Khoury and R. Hourani (2018). "Gadoterate Meglumine Administration in Multiple Sclerosis has no Effect on the Dentate Nucleus and the Globus Pallidus Signal Intensities." *Academic Radiology* DOI: 10.1016/j.acra.2018.11.010
- **M. Baalbaki**, M. El Najjar, S. Atweh, N. El Ayoubi "Toxocara infection in the differential diagnosis of multiple sclerosis in the Middle East" in *Multiple Sclerosis Journal-Middle East special edition*. DOI: 10.1177/2055217319855757
- N. K. El Ayoubi, S. W. Bou Reslan, **M. Baalbaki**, H. Darwish, S. J. Khoury "Effect of fingolimod vs interferon treatment on OCT measurements and cognitive function in RRMS" in *Multiple Sclerosis and Related Disorders*. DOI: 10.1016/j.msard.2021.103041
- N. K. El Ayoubi, M. N. Bal, N. Metri, S. El Sammak, **M. Baalbaki**, M. Gharios, A. Fatfat, S. J. Khoury. "Slower retinal thinning over a year predicts continuous NEDA status at follow up in Multiple Sclerosis: a longitudinal OCT study". *Multiple Sclerosis Journal* DOI: 10.1177/13524585251332499

PEER REVIEW

Volunteering as a peer reviewer for the Journal of Neuroimmunology, Multiple Sclerosis and Related Disorders, and Resident and Fellow Section of Neurology Journal since 2023

CLINICAL TRIALS

Sub-Investigator on the "Ocrelizumab Discontinuation in Relapsing Multiple Sclerosis (AMS05)" Clinical Trial

July 2024 – June

2025

At the Corinne Goldsmith Dickinson Multiple Sclerosis Center at the Mount Sinai Hospital –
Department of Neurology in New York, NY

Marwa Baalbaki, M.D., M.S.C.R.

Sub-Investigator on the "Efficacy, Safety and Pharmacokinetics of Teriflunomide in Pediatric Patients With Relapsing Forms of Multiple Sclerosis (TERIKIDS)" Clinical Trial

July 2017 – June
2019

At the Nehme and Therese Tohme Multiple Sclerosis Center at the American University of Beirut – Department of Neurology in Beirut, Lebanon

PRESENTATIONS

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| Created and presented a poster presentation entitled "Neurofilament Light Chain Levels Associated with Disability Worsening in Patients with Relapsing-Remitting Multiple Sclerosis and No Disease Activity on High Efficacy Therapy" for the CMSC Annual Meeting 2024 | May 2024 |
| Participated in the creation and writing of a poster presentation entitled "Depression Symptoms Moderate Link between Infratentorial and Cervical Cord T2 Lesions on Gait Speed in Relapsing-Remitting Multiple Sclerosis" presented at the AAN Annual Meeting 2024 | April 2024 |
| Participated in the creation and writing of a poster presentation entitled "Central pontine myelinolysis as a complication of untreated severe HIV" presented at the ACP | March 2021 |
| Created and presented an ePoster presentation entitled "Effect of Fingolimod vs. Interferon Treatment on OCT Measurements and Cognitive Function in RRMS" for the ACTRIMS Forum 2021 | February 2021 |
| Awarded 1 st prize of the Research Fellowship Program at AUB for the year 2018-2019 for a poster presentation entitled "Correlation between Retinal Optical Coherence Tomography Measures and Cognitive/Physical Disability in Patients with Early Multiple Sclerosis: a prospective study". Presented during the Annual Research Open Day at the American University of Beirut; Beirut, Lebanon | May 2019 |

REFERENCES

Available upon request

Marwa Baalbaki, M.D., M.S.C.R.