

Brian Sunwoo

EDUCATION

- 2023 – 2024 **UCLA Health**, Los Angeles, CA
PM&R Interventional Spine Fellowship, Department of Orthopedics
- 2020 – 2023 **New York University**, New York, NY
Advanced Residency Program, Department of PM&R
- 2019 – 2020 **Morristown Medical Center**, Morristown, NJ
Preliminary Residency Program, Department of Medicine
- 2015 – 2019 **Rowan School of Osteopathic Medicine**, Stratford, NJ
Doctorate of Osteopathic Medicine
- 2009 – 2013 **New York University**, New York, NY
Bachelor of Arts, Biology Degree

CERTIFICATIONS

American Board of Physical Medicine and Rehabilitation

Parts 1 and 2, July, 2024 – Pass

California Department of Public Health Fluoroscopy Supervisor and Operator Permit, March, 2024 – Pass

Medical Acupuncture at Downstate Program

SUNY Downstate, June, 2023 – Pass

National Board of Osteopathic Medical Examiners

COMLEX Level 1, June, 2017 – Pass

COMLEX Level 2 CE, July, 2018 – Pass

COMLEX Level 3 PE, August, 2018 – Pass

COMLEX Level 3, November 2019 – Pass

AWARDS & HONORS

- 2019 **Dean's Recognition Award**, RowanSOM, Stratford, NJ
- 2018 **Gold Humanism Honor Society**, RowanSOM, Stratford, NJ
- 2017 **Abdol H. Islami M.D. Scholarship**, Abdol H. Islami M.D. Foundation, Inc, Princeton, NJ
- 2017 **Alumni Association Student Scholarship**, RowanSOM Alumni Association, Stratford, NJ

PUBLICATIONS

- 7/15/21 Frontera, Jennifer; Yang, Dixon... Sunwoo, Brian... "A prospective study of long-term outcomes among hospitalized COVID-19 patients with and without neurological complications," *Journal of Neurological Sciences*. E. Published
- 2021 Patel, Parth; Sunwoo, Brian; Sujanthy, Rajaram. Chapter 11: Critical Illness Myopathy and Neuropathy in COVID-19. *COVID-19 by Cases: A Pandemic Review*. Nova Science Publisher Inc, Hauppauge, New York, USA.
- 2021 Pineda, Kevin; Sunwoo, Brian; Sujanthy, Rajaram. Chapter 17: Rehabilitation and Long-Term Care Strategies in COVID-19. *COVID-19 by Cases: A Pandemic Review*. Nova Science Publisher Inc, Hauppauge, New York, USA.

CASE REPORTS

02/2023	Is This the Future? Steroid Induced Avascular Necrosis after Covid-19: A Case Report (Primary: Martin Pico, Conference AAP Anaheim)
11/2022	Assessing the Value and Utility of Obtaining Medical Acupuncture License During Physical Medicine and Rehabilitation Residency (Primary: Brian Sunwoo, Conference AAPM&R Baltimore)
02/2022	Same same but different - using two gabapentinoids to manage neuropathic pain in Acute Inpatient Rehabilitation (Primary: Jacob Hattenbach. Conference AAP New Orleans)
02/2022	Schwannomatosis of the sciatic nerve: An uncommon presentation of posterior knee pain (Primary: Jacob Hattenbach. Conference AAP New Orleans)
02/2022	Lateral decubitus positioning for fluoroscopic epidural steroid injections of incomplete tetraplegic and similar patient groups (Primary: Christopher Yih. Conference AAP New Orleans)
12/2021	The Utilization of Botulinum Toxin Injections for Treatment of Refractory Peripheral Neuropathy (Primary: Christopher Yih. Conference Eastern Pain Association)
12/2021	Botulinum Toxin Injections for the Treatment of Refractory Eye Pain (Conference Eastern Pain Association)

PRESENTATIONS

11/2022	AAPM&R Virtual Residency Fair – NYU Program Presenter PM&R Scholars Virtual
08/2022	Residency Fair – NYU Program Presenter Multi-Institutional PM&R Journal Club – Ethnic
02/2022	and Racial Diversity in Academic Physical Medicine and Rehabilitation Compared with
12/2021	All Other Medical Specialties NYU Concussion Center Journal Club – Presence of Neck or
10/2021	Shoulder Pain Following Sport-Related Concussion Negatively Influences Recovery
05/2021	Manhattan VA Grand Rounds – Non-opiate Management of Acute Pain Rusk Journal Club
04/2021	– Respiratory Rehabilitation in Elderly Patients with COVID-19: A Randomized Control
	Trial Spine Journal Club – Comparison of Treatment Outcomes in Lumbar Disc Herniation
	Patients Treated with Epidural Steroid Injections: Interlaminar Versus Transforaminal
	Approach Manhattan VA Grand Rounds – Sensory Ganglianopathies Bellevue
01/2021	Interdisciplinary Grand Rounds – Stages of Recovery in Traumatic Brain Injury
11/2020	

WORK EXPERIENCE

2025	Elihu Institute for Pain Management , Beverly Hills, CA <i>Interventional Physiatrist</i> <ul style="list-style-type: none">• Diagnosis and non-surgical management of musculoskeletal and neuropathic pain conditions, with a focus on image-guided interventional procedures, functional restoration, and comprehensive rehabilitation strategies.
2016	Hackensack Meridian Health , Ocean, NJ <i>Geriatric Interdisciplinary Fellowship Training (GIFT) Program Fellow</i> <ul style="list-style-type: none">• Conducted an evidence-based research project with an interdisciplinary student team that explored methods to improve daily ambulation for geriatric patients in the hospital setting.• Attended professional lectures aimed at educating students in conducting evidence-based medicine and research.

LEADERSHIP ACTIVITIES

- 2022 – 2023 **NYU Department of PM&R**, New York, NY
Administrative Chief Resident – Medical Student Outreach and Recruitment
- Managed PM&R rotations for 30 visiting medical students and developed initiatives to promote NYU’s program and the field of PM&R to interested medical students
 - Led residency recruitment strategy meetings with program leadership to highlight goals for recruitment and directed chief residents and faculty in residency interviews
 - Acted as liaison between program leadership and the residents
- 2021 – 2023 **NYU Langone House Staff Leadership Council**, New York, NY
Committee Member
- Voiced concerns and problems collected by the house staff of the department of PM&R and developed and monitored action plans to solve them
- 2021 – 2023 **New York Society of PM&R**, New York, NY
Medical Student and Community Outreach Committee Member
- Developed contacts and promoted NYSPMR events to PM&R Medical Student interest groups throughout the New York metro area
- 2020 – 2023 **GME Diversity and Inclusion Committee**, New York, NY
GME Diversity and Inclusion Committee Member
- Acted as representing member for PM&R on the institutional committee to identify healthcare disparities within NYU’s healthcare system
- PM&R Diversity and Inclusion Resident Liaison*
- Assisted program leadership in developing a Grand Rounds lecture related to micro-aggressions in the clinical setting
- 2020 – 2021 **Rehab In Review NYU Chapter**, New York, NY
- Contributing Author 08/2020: Volume 28 Number 8*
Contributing Author 02/2021: Volume 29 Number 2
Contributing Author 03/2021: Volume 29 Number 3
Contributing Author 04/2021: Volume 29 Number 4
Contributing Author 06/2021: Volume 29 Number 6
- 2015 – 2019 **RowanSOM Student Council**, Stratford, NJ
Vice President, Class of 2019
- Served as liaison for the Class of 2019 with faculty, administration, and relevant professional associations.
 - Acted as an official spokesperson and voting member for the Class of 2019 at all Student Council meetings.
 - Managed the class budget and planned and promoted activities and projects such as the anatomy memorial, holiday canned food drive, ski trip, and other social activities.
 - Provided Student Council information to the class through a monthly newsletter.
- 2016 – 2018 **Student National Medical Association (SNMA)**, Stratford, NJ
Minority Association of Premedical Students (MAPS) Liaison
- Provided communication between Rowan’s SNMA group and the MAPS chapter.
 - Led the organization of a pre-medical outreach day for undergraduate students in order to introduce them to Osteopathic medicine as well as stress the importance of diversity in medicine.
 - Planned and advertised a school-wide blood drive with the Red Cross.
- 2016 – 2018 **IDEA (Inclusion, Diversity, Equity, and Advocacy) Council, RowanSOM**, Stratford, NJ
Student Council Representative – Founding Member

- Served as a founding member of the council assisting in the writing of its mission statement, constitution, and applications for funding and grants.
- Maintained communication between Rowan SOM's Student Council and the newly formed IDEA council.
- Developed and led an intergroup dialogue entitled, "How Is Mental Health Valued in Your Culture?"
- Assisted with the organization of Rowan SOM's Diversity week.

RESEARCH EXPERIENCE

- 2018 **“Development of a serum biomarker-based approach to monitor opioid adherence and minimize substance misuse in chronic pain management”**
 RowanSOM, Stratford, NJ (Study PI: Richard Jermyn, DO; Venkat Venkataraman, PhD)
- Investigated S100B and BDNF proteins as related to measurements of pain and survey responses in order to identify objective measurements of pain.
 - Provided informed consent for study participants and managed patient data.
- 2015 **“Communicating Prognosis in Sickle Cell Disease: A Qualitative Study of Adolescents with Sickle Cell Disease, Their Parents and Providers”**
 Montefiore Medical Center, Bronx, NY (Study PI: Michael Roth, MD)
- Assisted with the transcription of participant responses to focus group questions regarding their definition of prognosis and how it should be presented.
- 2011 – 2012 **“Serum IGF-1 is insufficient to restore skeletal size in the total absence of the growth hormone receptor”**
 NYU College of Dentistry, New York, NY (Research Advisor: Shoshana Yakar, PhD)
- Analyzed the role of growth hormone (GH) & Insulin-like Growth Factor (IGF) in skeletal growth acquisition in mouse models
 - Performed tasks including DNA isolation and PCR genotyping of different GH and IGF-1 mouse models, Bone & Muscle RNA isolation and evaluation of gene expression using real-time PCR, and examination of the effects of varying degrees of oxidative stress on fibroblast tissue cultures.

VOLUNTEER EXPERIENCE

- 2023 – **Project Paper Bag**- Los Angeles, CA - Volunteer **NYC Marathon**, New York, NY – Medical
- 2021 Volunteer 2021 – 2022 **St. Joseph's Volleyball**, Brooklyn, NY – Sideline Medical Volunteer
- 2021 **National Veterans Wheelchair Games**, New York, NY – Medical Volunteer
- NYU Anatomy Instructor**, New York, NY
- 2020 – Brachial Plexus Anatomy
- 2021 – Brain Anatomy
- 2021 – Spine Anatomy
- 2023 – Spine Anatomy **RowanSOM OMM Community Clinic**, Stratford, NJ

2017-2018

SKILLS AND INTERESTS

Languages: Conversational ability in Korean

Hobbies: Rock climbing, karaoke, guitar and piano, and reading

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