

Jeayoung Park, MD

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Contact Information:

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EDUCATION

August 2014 – May 2019

Doctor of Medicine

Yale School of Medicine
New Haven, CT

August 2010 – May 2014

Bioengineering, Bachelor of Science

Franklin W. Olin College of Engineering
Needham, MA

POSTGRADUATE MEDICAL EDUCATION

July 2020 – present

Internal Medicine Residency (Categorical)

University of Maryland Medical Center Midtown Campus
Baltimore, MD
Program Director: Robert Dobbin Chow, MD MBA MACP

Highlights of Training:

- Team leader as upper year resident that handles high-census team and complicated patients in an urban setting hospital.
- Completed two elective rotations in Endocrinology at the University of Maryland Medical Center, one focused on outpatient and community aspects of Endocrinology and other other focused on inpatient consults as PGY 2.
- Competent in performing peripheral IV placement, arterial blood draw, arterial line placement, insertion of central venous catheter, paracentesis, nasogastric tube placement, and endotracheal intubation
- Independently lead Code blue and rapid responses as PGY 2.
- Supervision and teaching of medical students from the University of Maryland School of Medicine and American University of Antigua College of Medicine

- Medical Intensive Care Unit rotations supervised by full-time Pulmonary Critical Care faculty from the University of Maryland School of Medicine

July 2019 – June 2020

Internal Medicine Internship (Preliminary)
Griffin Hospital
Shelton, CT
Program Director: Seema D'Souza, MD

RESEARCH EXPERIENCE

April 2021 – Present

University of Maryland Medical Center

Division of Endocrinology

- Created a **mobile app** for internal medicine residents that includes insulin dosage calculators and references to ADA/AACE/AAFP guidelines for the management of diabetes in the hospital setting. Web version of the app available at <https://endoapp.net>.
- Conducted a retrospective and prospective study regarding racial and ethnic disparities in diabetes technology use amongst persons with Type 1 Diabetes.
- Conducted a systematic review and meta-analysis of efficacy of GLP-1 agonists in patients with Type 1 Diabetes.

August 2017 – June 2018

Massachusetts Eye and Ear Infirmary

Schepens Eye Research Institute

- Evaluated in vitro biocompatibility and in vivo transplant survival of retinal progenitor cell grafts using injectable polymer materials as a cell delivery method, to aim for better survival of stem cell grafts post-transplant.

May 2013 – April 2014

Franklin W. Olin College of Engineering

Department of Bioengineering

- Created a broader mathematical model of microvasculature based on a preexisting model in order to integrate effects of endothelial dysfunction and vascular remodeling in hypertension, diabetes, and obesity.

PUBLISHED ARTICLES

- Armstrong GW, Kim LA, Vingopoulos F, Park JY, Garg I, Kasetty M, Silverman RF, Zeng R, Douglas VP, Lopera F, Baena A, Giraldo M, Norton D, Cronin-Golomb A, Arboleda-Velasquez JF, Quiroz YT, Miller JB. Retinal Imaging Findings in Carriers With PSEN1-Associated Early-Onset Familial Alzheimer Disease Before Onset of Cognitive Symptoms. JAMA Ophthalmol.

2021 Jan 1;139(1):49-56. doi: 10.1001/jamaophthalmol.2020.4909. PMID: 33180114; PMCID: PMC7662482.

- Park J, Baranov P, Aydin A, et al. In Situ Cross-linking Hydrogel as a Vehicle for Retinal Progenitor Cell Transplantation. *Cell Transplant*. 2019;28(5):596-606. doi:10.1177/0963689719825614
- Park J, Armstrong GW, Cestari DM. Spontaneous Superior Ophthalmic Vein Thrombosis in a Transgender Male with Systemic Lupus Erythematosus. *LGBT Health*. 2019;6(4):202-204. doi:10.1089/lgbt.2018.0099
- Coblentz J, Park JY, Discepola G, Arthurs B, Burnier M. Conjunctival Kaposi's sarcoma with orbital extension in an HIV-negative man. *Can J Ophthalmol*. 2018 Jun;53(3):e111-e113. doi: 10.1016/j.jcjo.2017.09.014. Epub 2017 Dec 2. PMID: 29784173.
- Wengerter BC, Emre G, Park JY, Geibel J. Three-dimensional Printing in the Intestine. *Clin Gastroenterol Hepatol*. 2016 Aug;14(8):1081-5. doi: 10.1016/j.cgh.2016.05.008. Epub 2016 May 14. PMID: 27189913.

PENDING PUBLICATIONS

- Park J, Bhakari K, Sagar PR, Alzedaneen Y, Munir K. Racial and Ethnic Disparities in Diabetes Technology Use amongst Persons with Type 1 Diabetes, *Journal of the Endocrine Society*, Volume 6, Issue Supplement_1, April-May 2022
- Park J, Gothong C, Ceipek J, Malek R., Pennant M. Improving Inpatient Insulin Management amongst Internal Medicine Residents with a multi-media structured educational program, *Journal of the Endocrine Society*, Volume 6, Issue Supplement_1, April-May 2022
- Park J, Ntelis S, Downton K, Yip T, Haq N, Munir K. Therapeutic Benefit of GLP-1 Agonists in Patients with Type 1 Diabetes on Insulin Therapy: an Updated Systematic Review and Meta-analysis, *Journal of the Endocrine Society*, Volume 6, Issue Supplement_1, April-May 2022

ARTICLES UNDER REVIEW

- Park J, Gothong C, Ceipek J, Malek R, Pennant M. Improving Inpatient Insulin Management amongst Internal Medicine Residents with a Multi-Media Educational Program including a Web Application. *Journal of Diabetes Science & Technology*. 2022.
- Nitol F, Park J, Sultana J, et al. Obesity and Hyperglycemia Predicted Outcomes in COVID19 Inpatients: A Community Hospital Perspective. *Cureus*. 2022.

BOOK CHAPTERS

- Park, J.Y., Young, M. J., “Cells and Animal Models used for Retinal Stem Cell Research.” Stem Cell Therapy and Regenerative Medicine in the Eye, Ed. Brian Ballios, Springer, 2018. (Book Chapter)

ORAL PRESENTATIONS

June 14th, 2021

Oral Presentation with Outstanding Abstract Award

“Racial and Ethnic Disparities in Diabetes Technology Use amongst Persons with Type 1 Diabetes”

ENDO 2022

Atlanta, GA

May 25th, 2021

Endocrinology Grand Rounds

“Semaglutide Treatment Effect in People with Obesity (STEP 1) Study: A Review”

University of Maryland Medical Center

May 3rd, 2021

Case Presentation

“Spontaneous Hemorrhage of a Parathyroid Adenoma in a Patient with End Stage Renal Disease”

American College of Physicians Maryland Chapter Annual Associates Meeting

Baltimore, Maryland

October 17th, 2021

Ambulatory Lecture

“Outpatient Management of Hyperthyroidism”

University of Maryland Medical Center Midtown

POSTER PRESENTATION

Park J, Gothong C, Ceipek J, Malek R, Pennant M. 2022. Improving Inpatient Insulin Management amongst Internal Medicine Residents with a multi-media structured educational program. ENDO 2022 Conference, Atlanta, GA

Park J, Ntelis S, Downton K, Yip T, Munir K. Haq N. 2022. Therapeutic Benefit of GLP-1 Agonists in Patients with Type 1 Diabetes on Insulin Therapy: an Updated Systematic Review and Meta-analysis. ENDO 2022 Conference, Atlanta, GA

Abdelgawad H, Park JY, Afrasyab K, Baranov PY, Young MJ. 2018. Towards macular regeneration: generation, MACS purification and transplantation of cone photoreceptors derived from mouse induced pluripotent stem cells. The Association for Research in Vision and Ophthalmology 2018 Annual Meeting

COMMITTEES

October 2021 – present

Chief Editor, Midtown Journal Club Newsletter

- Editor and publisher of the “Talk of the Town” newsletter discussing important recent landmark trials for the purpose of resident education. Involves eye-catching, memorable titles and uncomplicated writing to attract the attention of Internal Medicine residents. Published bi-monthly.

August 2020- present

Member, Internal Medicine Program Evaluation Committee

- Quarterly meetings that address the administrative and resident issues, and how to better serve the residents and meeting requirements for ACGME

QUALITY IMPROVEMENT PROJECTS

August 2021 – present

Investigator, University of Maryland Medical Center Midtown

- Improvement of discharge and readmission outcomes via utilization of a standardized discharge protocol

PROFESSIONAL SOCIETY MEMBERSHIP

2021 - Present

Resident Member, American Association of Clinical Endocrinology

2021 - Present

Early Career Member, Society for Endocrinology

2020 - Present

Resident Member, American College of Physicians, Maryland Chapter

2020 - Present

Resident Member, American Medical Association

CERTIFICATIONS AND LICENSURES

6/2019 – present
Advanced Cardiac Life Support certified

6/2019 – present
Basic Life Support certified

HONORS AND AWARDS

2022

Outstanding Abstract Award, ENDO 2022

Abstract Title: Racial and Ethnic Disparities in Diabetes Technology Use amongst Persons with Type 1 Diabetes

- Received \$500 in travel funds. Award sponsored by the Endocrine Society.

2020-2021

Teaching Written Commendations

- Written evaluations and letters to the program director regarding excellence in diabetes management education.

2017-2019

Clinical Honors

Yale School of Medicine

- Pediatrics, Internal Medicine, Surgery, Emergency Medicine, Obstetrics/Gynecology, Ophthalmology

2018

Yale Student Research Fellowship Funding Award

- NOTCH-pathway activation of retinal progenitor cells for improved survivability

2014

Mathematical Contest in Modeling (MCM) COMAP 2014

Meritorious Award

- Team Research Paper: Created a mathematical model of traffic flow to predict effects of the keep-right-except-to-pass rule on congestion.
(<http://www.comap.com/undergraduate/contests/mcm/>)

VOLUNTEER EXPERIENCE

September 2014 – March 2015
HAVEN free clinic

- Junior clinical volunteer member at student-run pro bono clinic for greater New Haven community. Worked together with a team of volunteering students/residents/attending physicians to provide care for patients in the New Haven area without health insurance.

June 2014

National Sorokdo Hospital at Goheung, Republic of Korea

- Medical volunteer at national hospital for cured but deformed victims of leprosy in South Korea. Responsibilities included assisting patients with activities of daily living, as well as providing a listening ear to their stories.

May 2012 – June 2012

International Healthcare Center at Seoul National University Medical Center

- Language Volunteer providing medical assistance for foreign patients who do not speak the Korean language. Responsibilities included medical translation as well as strong patient advocacy.

PERSONAL INTERESTS

Languages: English, Korean

Electronic Medical Records: Epic (inpatient and outpatient), Meditech

Software proficiency: Adobe Illustrator, Adobe Photoshop, SAS, PRISM, Python, Java, MATLAB, Dart, C++

Musical interests: Pianist, Keyboardist for Olin Rock Orchestra (2010-2014)

Culinary interests: Authentic Korean food, inviting 4-5 guests at a time to serve them full course meals

Citizenship: South Korea

Permanent Residency: USA