

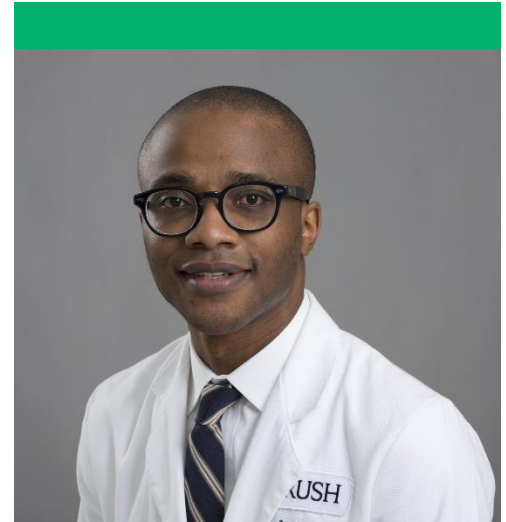


# Philip Omotosho, MD

The Jack Fraser Smith Professor of Surgery

## Advancement of Medicine

In 2025, my clinical work continued to center on the surgical treatment of severe obesity and related major health problems such as diabetes, heart disease, stroke, cancer and diminished quality of life. My research examines the mechanisms by which bariatric (weight-loss) surgery addresses these problems, as well as patient outcomes following surgery.



This past year, we studied the impact of GLP1 receptor agonist (a class of weight-loss medications) on overall weight loss when used before patients undergo bariatric surgery. We also examined the effects of hypothyroidism on weight loss in patients who undergo bariatric surgery. Our findings from both endeavors were presented at the American Society for Metabolic and Bariatric Surgery Annual Meeting in June 2025. The GLP1 receptor agonist study was also recently published in *Surgery for Obesity and Related Diseases*, the premier peer-reviewed journal in the discipline of metabolic and bariatric surgery.

## Research

Through the income generated by this endowed fund, we have been able to support our programs in minimally invasive and bariatric surgery utilizing our translational research lab, Rush patient data, large data sets and clinical research studies.

## Speaking Engagements

I served as session co-chair and moderator for “Optimizing outcomes in bariatric surgery” at the Society of American Gastrointestinal and Endoscopic Surgeons 2025 Annual Meeting in Long Beach, California.

## Publication Highlights – Abbreviated

- Benavidez M, Redpath S, Trautmann S, Ceron S, Schimpke S, Myers J, **Omotosho P**, Torquati A, Skertich N. Effects of neoadjuvant glucagon-like-peptide 1 receptor agonists on weight loss after bariatric surgery. *Surg Obes Relat Dis.* 2025 Oct 10;S1550-7289(25)00951-7. PMID: 41162242
- Aboushaala K, Ibrahim O, Ahmed N, Aboushaala R, Patel SN, Ward SO, Savoia A, Westrick J, Juarez L, Hilton S, Skertich N, Spagnoli A, Torquati A, **Omotosho P**, Singh K. The effects of metabolic and bariatric surgery on spinal alignment in morbidly obese patients with LBP: A systematic review and meta-analysis. *Spine J.* 2025 Oct; 13:S1529-9430(25)00818-6. PMID: 41093066
- Knight J, Richelieu J, Velasco J, Lubinsky G, Day E, Weiss T, **Omotosho P**, Siparsky N. Improving the team response to Surgical Airway Emergencies: a simulation-based, multidisciplinary approach to quality improvement. *J Surg Educ.* 2025 Aug; 82(8). PMID: 40378640
- Osiakwan S, Jones K, Reddy S, **Omotosho P**, Skertich N, Torquati A. Pregnancy and Birth Complications among Women Undergoing Bariatric Surgery: Sleeve Gastrectomy Versus Roux-en-Y Gastric Bypass. *Surg Obes Relat Dis.* 2025 Apr; 21(4):509-515. PMID: 39732584

## The Year Ahead: 2026 and Beyond

Endowment funds will augment support for training another minimally invasive and bariatric surgery fellow this year, enabling the fellow's participation in our research endeavors, travel for presentations and educational conferences, and participation in an advanced flexible endoscopy course offered by the Society of American Gastrointestinal and Endoscopic Surgeons.

We will also prioritize our ongoing multidisciplinary research collaboration with colleagues in the Departments of Orthopedic Surgery, Pediatrics, and Microbial Pathogens and Immunity will continue to use the endowment income to support various clinical and quality improvement projects.

Supported research initiatives will include an ongoing community-focused project investigating psychosocial, socioeconomic and cultural factors that influence success after bariatric surgery among Latino patients.



## **With Gratitude**

It is with deep gratitude that I present this update on the Jack Fraser Smith Endowment for 2025. This endowment continues to make a profound impact on my work and the mission of Rush University Medical Center and the Department of Surgery. The Jack Fraser Smith endowment is a cornerstone of our organization's current and future success, and I look forward to sharing our achievements in the coming years.