

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF ANESTHESIOLOGY

Olubukola Nafiu, M.B.B.S., assistant professor of anesthesiology, Department of Anesthesiology, Medical School, is recommended for promotion to associate professor of anesthesiology, with tenure, Department of Anesthesiology, Medical School.

Academic Degrees:

2015	M.S.	University of Michigan
1988	M.B. B.S.	College of Medicine, Ibadan, Oyo State Nigeria

Professional Record:

2007-present	Assistant Professor of Anesthesiology, University of Michigan
2002-2003	Visiting Instructor of Anesthesiology, University of Michigan

Summary of Evaluation:

Teaching: Dr. Nafiu has a multi-faceted educational role that encompasses clinical teaching, regular didactics and research. Given the variety of complex clinical cases he supervises, he is responsible for teaching residents in the operating rooms in the management of some of the more complex and high acuity pediatric anesthesia cases. This includes patient assessment, formulation of perioperative plan and utilization of invasive monitoring in children. He is regularly described by residents as patient, knowledgeable and easy to work with making him a very effective clinical teacher in the operating room. From a didactic perspective, Dr. Nafiu is actively involved in the delivery of formal resident lectures encompassing a wide range of pediatric anesthesia topics. He also regularly lectures during the anesthesiology intern research rotation, a month-long intense didactic and practicum exposure to perioperative research and evidence-based-medicine. Here he shares his broad experience in epidemiology and biostatistics with the trainees. Relatedly, Dr. Nafiu plays a very important role in mentoring pediatric anesthesia fellows. He took on the role of research mentor for the pediatric anesthesia fellows in 2012 and has ensured that all nine pediatric anesthesia fellows presented abstracts at the annual Society for Pediatric Anesthesia (SPA) meeting. At the SPA meeting in 2014, two of the three prizes awarded for trainee research were won by fellows mentored by Dr. Nafiu. This achievement was repeated in 2015 with his mentee winning third place. Dr. Nafiu has also given educational lectures across many departments at the University of Michigan and has been invited to lecture regionally, nationally and internationally.

Research: Dr. Nafiu has established himself as an international authority on the subject of childhood obesity and its perioperative implications. As the first to spotlight childhood obesity in the perioperative period, he is generally regarded as an eminent scholar on the subject. Dr. Nafiu has published more than 40 peer-reviewed articles and has been invited to share his

expertise on the subject of childhood obesity at several institutions across the world. His seminal work on childhood obesity and perioperative complications continues to receive increasing citations. His work has been published extensively in major anesthesiology journals but also in general medical journals such as the *Pediatrics* and subspecialty journals such as *Obesity* and *International Journal of Pediatric Otolaryngology*. On several occasions, Dr. Nafiu's work has been accompanied by journal editorials as well as coverage in the popular press including pieces in *the New York Times*, *L.A. Times*, *Reuters* and *CNN*. Recognizing the importance of extramural funding for his professional development and growth of his research, Dr. Nafiu successfully competed for a five year National Institutes of Health (NIH) career development (K23) grant in 2014. This funding from the NIH is important for a number of reasons. First, to secure funding during a time of extremely stringent NIH budget restrictions is testament to the quality of his research and the importance placed by the NIH on such. Secondly, as the first ever funded K23 grant in the Department of Anesthesiology at Michigan, this reflects the quality of his research and is another way that Dr. Nafiu's work continues to improve the image of the Anesthesiology Department and the University of Michigan at the national level. Finally, Dr. Nafiu is an ad hoc reviewer for a number of journals in the fields of anesthesiology, obesity, and pediatrics.

Recent and Significant Publications:

Nafiu OO, Ndao-Brumlay KS, Bamgbade OA, Morris M, Kasa-Vubu JZ: Prevalence of overweight and obesity in a U.S. pediatric surgical population. *J Natl Med Assoc* 99:46-84, 2007.

Nafiu OO, Reynolds PI, Bamgbade OA, Tremper KK, Welch K, Kasa-Vubu JZ: Childhood body mass index and perioperative complications. *Paediatr Anaesth* 17:426-430, 2007.

Nafiu OO, Burke C, Lee J, Voepel-Lewis T, Malviya S, Tremper KK: Neck circumference as a screening measure for identifying children with high body mass index. *Pediatrics* 126:e306-310, 2010.

Nafiu OO, Burke CC, Gupta R, Christensen R, Reynolds PI, Malviya S: Association of neck circumference with perioperative adverse respiratory events in children. *Pediatrics* 127:e1198-1205, 2011.

Nafiu OO, Burke CC, Chimbira WT, Ackwerh R, Reynolds PI, Malviya S: Prevalence of habitual snoring in children and occurrence of peri-operative adverse events. *Eur J Anaesthesiol* 28:340-345, 2011.

Service: Dr. Nafiu is a fellowship-trained pediatric anesthesiologist who has acknowledged expertise in the perioperative care of general and subspecialty pediatric surgical patients. He is consulted for the most challenging cases in pediatric neurosurgery, especially complex brain tumor cases that require intraoperative magnetic resonance imaging and major pediatric spine surgery such as tethered cord release and myelomeningoceles. As an overlap of his clinical and research roles, Dr. Nafiu has facilitated the care of obese children undergoing various types of surgical procedures by identifying specific perioperative complications that occur more frequently in overweight/obese children. This has led to the establishment of a number of

perioperative protocols, including the use of short acting and rapidly cleared anesthetic agents such as Desflurane in severely obese children undergoing intermediate to prolonged surgical procedures. As one of a handful of pediatric anesthesiologists with specific interest in pediatric liver transplant and major vascular procedures, he is regularly responsible for the care of high acuity cases and often consulted by colleagues on the care of children undergoing challenging operations. Dr. Nafiu's expertise as a perioperative obesity investigator has given him recognition nationally and internationally. This is evidenced by his invited lectures on topics related to clinical and perioperative care of the obese child.

Dr. Nafiu has held a number of leadership positions institutionally and at the national level. He is the associate director of the Pediatric Anesthesia Fellowship Program. He is also in charge of the pediatric anesthesia fellows' research experience, a position he has led successfully producing national research awards to the fellows on two consecutive years (2014 and 2015). Dr. Nafiu also serves on the following departmental committees: Quality Assurance Committee, Clinical Competency Committee, Anesthesiology Clinical Research Committee, and the Annual Program Evaluation Committee. At the institutional level, he plays a fundamental role as a member of the Institution Review Board (IRB) Committee. Dr. Nafiu also serves on a number of national committees, including the Society for Pediatric Anesthesia (SPA) Education Committee and the SPA Research Committee. He also serves as a director on the Board of the International Society for the Perioperative Care of the Obese Patient (ISPCOP). Outside of the University of Michigan, Dr. Nafiu is one of the senior members of *Smiles International Foundation*, a non-profit organization that travels to Mexico bi-annually to provide free cleft lip and palate surgery to the indigent population.

External Reviewers:

Reviewer A: "He clearly has an established a sound track record for collaborating with his peers, for scholarship, membership in national committees, is being sought as a reviewer by a number of highly respected medical journals and his most recently training in statistics and study design that have allowed him to successfully apply for NIH funding for the next five years."

Reviewer B: "He is recognized as an international leader in the area of management of the obese child, having won a number of Society for Pediatric Anesthesia awards for his research..."

Reviewer C: "Dr. Nafiu occupies an important and underserved academic niche in pediatric anesthesia and the impact of obesity....Several of his more recent works have appeared in high quality journals and received attention from the lay press, attesting to the significance of this research area as the prevalence of obesity in our population continues to grow."

Reviewer D: "Publications by Dr. Nafiu have answered several questions regarding pediatric obesity and have significantly impacted our subspecialty. He has extended his passion for this subject to medical students and pediatric fellows alike as he frequently mentors this group of learners on research projects in this area; many of which have resulted in presentations an several awards at our societies' national meetings."

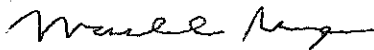
Reviewer E: “He has been a leader in defining appropriate measures of childhood obesity, anesthetic implications of childhood obesity, and perioperative complications and economic costs associated with this problem.”

Reviewer F: “Since 2013 Dr. Nafiu serves as the assistant program director for the anesthesiology residency, and nationally he is on pediatric programs committee [sic] and serves on the educational committee of the Society for Pediatric Anesthesia, further indicating his involvement in education and teaching administratively. Furthermore he has educated PACU nurses and interns.”

Reviewer G: “At the national level, Dr. Nafiu is well respected by his peers for his academic achievement and involvement...His areas of interest include perioperative implications of childhood obesity and the mechanisms underlying post-tonsillectomy pain in children. Dr. Nafiu’s scholarship in these areas has impacted the field of pediatric anesthesiology with seminal advances in the care of children undergoing adenotonsillectomy and the care of obese children.”

Summary of Recommendation:

Dr. Nafiu is an emerging expert in the field of pediatric obesity and anesthesia with great future potential. He is an enormous asset both to the Department of Anesthesiology and our institution. I am, therefore, delighted to recommend Olubukola Nafiu, M.B.B.S. for promotion to associate professor of anesthesiology, with tenure, Department of Anesthesiology, Medical School.



Marschall S. Runge, M.D., Ph.D.
Executive Vice President for Medical Affairs
Dean, Medical School

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