

## Nigeria Physiotherapy Network

[About Us](#) > [PhysioNews and Other News](#) > **Abiodun Akinwuntan Appointed Professor & Dean, School of Health Professions at the University of Kansas Medical Center**



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The Nigeria Physiotherapy Network (NPN) is extremely proud and happy to announce that [Dr. Abiodun Emmanuel Akinwuntan](#) of the Georgia Regents University (GRU, formerly Medical College of Georgia), Augusta, Georgia, USA has been appointed Professor & Dean of the University of Kansas School of Health Professions. Professor Akinwuntan was chosen out of a very competitive pool of eminently qualified candidates for the position.

"I am pleased to have a highly respected educator, clinician and researcher like Dr. Akinwuntan joining the University of Kansas as dean of the School of Health Professions," said University of Kansas Chancellor [Bernadette Gray-Little, Ph.D.](#) "His research expertise addresses one of the most formidable medical challenges of our time by helping people live with neurological impairment, which aligns with KU's mission to build healthy communities."

"Dr. Akinwuntan brings with him a rich history of international experience and training," said Douglas A. Girod, M.D., executive vice chancellor for the University of Kansas Medical Center. "He has experienced success as highly collaborative researcher within various departments and schools, and we look forward to benefitting from his unique skill set at the medical center."

Akinwuntan received the 2013-14 U.S. Fulbright Scholarship Award. He was named to the Fulbright Specialist Roster in February 2015 and selected in July 2015 to serve as a member of the four-person peer review committee for all Fulbright grant applications to West and Central Africa. In accepting the position, "I consider it a privilege to become a part of the legacy of the School of Health Professions, which has many programs that are recognized nationally and internationally," said Akinwuntan. "My interactions with the faculty and staff of the school during the interview process convinced me that I will be working with a vibrant and successful team. I look forward to working with the team and those of the Schools of Medicine and Nursing at the University of Kansas Medical Center."

Prof. Akinwuntan is renowned nationally (USA) and internationally for his expertise in driving assessment and rehabilitation after neurologic lesions. Prof. Akinwuntan's unique body of work consistently attracts attention (See [PhysioPodcast](#) section for some of the news clips on Prof. Akinwuntan's laboratory) and has seen him appointed to many prestigious bodies including the US National Transportation Board's Committee on Simulation and Measurement of Vehicle and Operator Performance and the US Federal Motor Carrier Safety Administration expert panel on strokes and commercial truck driving.

Prof. Akinwuntan is a 1994 graduate of the College of Medicine, University of Lagos (CMUL) BSc Physiotherapy program. He bagged his MSc and PhD in Neurological Rehabilitation in 2000 and 2004 respectively from the Department of Rehabilitation Sciences, Katholieke Universiteit Leuven, Belgium. He was appointed as a Senior Lecturer in 2004 at the School of Health and Bioscience, University of East London, United Kingdom from where he joined GRU in 2005 as an Assistant Professor. He was promoted to the rank of a tenured Associate Professor in 2010, and appointed Interim Dean for Research in 2012. He was confirmed as the substantive Associate Dean for Research in the College of Allied Health Sciences in 2014. Prof. Akinwuntan was a US Fulbright Scholar to the University of Lagos in 2013/2014, where he contributed immensely to several areas of research at the CMUL. A major highlight of Prof Akinwuntan's successful Fulbright program at CMUL is the initiation of a collaborative BPT/DPT degree program between the CMUL

and GRU. In this program, beginning in the Fall of 2016, three 3rd year physiotherapy students from the CMUL will have the unique opportunity to travel to GRU to complete a 3 year DPT program, and then return to CMUL in their last semester to earn the BPT. It is hoped that this innovative joint collaborative program between GRU and CMUL will further improve the quality of the pool of applicants to the physiotherapy program at the University of Lagos and increase the number Nigerian physiotherapists with DPT degrees. Currently, Nigerian physiotherapists are able to obtain a transitional DPT degree through the University of Michigan-Flint. Prof. Akinwuntan is a well published researcher with more than thirty-five (>40) peer-reviewed publications, mostly in high impact Journals.

Prof. Akinwuntan's quick rise in the academia has been followed with keen interest by the Nigeria Physiotherapy Network and colleagues from around the world and has become a source of inspiration to the younger generation of Nigerian educated Physiotherapists. We all rejoice with Prof. Akinwuntan and his family for this wonderful achievement. Prof. Akinwuntan can be reached at: [aakinwuntan@gru.edu](mailto:aakinwuntan@gru.edu).

Congratulations Professor & Dean Abiodun Emmanuel Akinwuntan!

**PREDICTORS OF DRIVING IN INDIVIDUALS WITH RELAPSING-REMITTING MULTIPLE SCLEROSIS (MS)**  
A. Akinwuntan; K. Baker; M. Manley; E. McGonegal; C. O'Connor; K. Phillips; K. Turchi  
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**Introduction**  
Current practices to evaluate fitness-to-drive of individuals with MS involve the use of as many as 15 - 22 tests, last 3 to 4 hours, cost approximately \$400, and involves a lot of human resources. The purpose of this study was to identify the most important of the commonly used tests and determine the accuracy with which the tests will together predict participants' driving performance.

**Methods**  
A predictive correlational study. 44 individuals with relapsing-remitting MS, legal active drivers; age = 46 ± 13 years; 37 females 7 males; EDSS between 3 and 7. Protocol: Motor, visual, cognitive, and on-road evaluation. Variables: A visual and 56 cognitive tests and on-road evaluation. Data analysis: Correlation; Univariate, and Multivariate Regression Analyses; Discriminant analysis.

**Predictor variables**  
Stroop color, Direction, Compass, Road Sign Recog., UFOV-speed.

**Results**

Variable	PE	SE	t	p
Stroop color	-0.22	0.08	-2.61	0.01
Direction	0.10	0.08	1.23	0.23
Compass	0.05	0.08	0.89	0.38
Road Sign Recog.	0.33	0.08	1.71	0.10
UFOV-speed	-0.01	0.08	-0.01	0.99

**On-road performance**

Predicted	Fail	Pass
Fail	7	1
Pass	3	33

$R^2 = .59$ ; 91% accurate; 70% sensitive; 97% specific.

**Outcome variable**  
UFOV

**Discussion**  
The five tests contained in the best model identified together be administered in less than 45 minutes, cost less than \$150, and is 91% accurate in detecting relapsing-remitting MS is fit to drive or not.

**Conclusion**  
A short battery of five cognitive tests and on-road evaluation can be used to identify individuals with relapsing-remitting MS who are fit to drive or not. Further studies are needed to confirm and validate this study.

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**Emmanuel B. John, PT, PhD**  
Executive Director  
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