



Erik K. Paulson, M.D.  
Robert J. Reeves Professor  
Chair, Department of Radiology

Emily Townley  
The Academy for Radiology and Biomedical Imaging Research

September 11, 2018

Dear Emily,

I am delighted to nominate Ehsan Samei, Ph.D. to present at the 3<sup>rd</sup> Annual Imaging Shark Tank to be held at the 2018 RSNA annual meeting.

Dr. Samei is a physicist within the Department of Radiology at Duke. He is a successful researcher and has a particular interest in developing new devices and technologies.

His idea is "Big Data Analytics Platform to Assure Safety and Quality in Clinical Imaging" (see attached synopsis). The idea is to design and implement an automated and efficient monitoring system for consistent, accurate, and reproducible quality and safety performance in imaging operations, particularly CT scanning. This is an important issue as approximately 50% of radiation exposure to the United States population is from medical imaging including CT scans.

Dr. Samei's proposed system is currently under prototype development at Duke and intellectual property has been filed. To date, there has been no external funding or financial investment in this proposal.

I strongly endorse Dr. Samei to participate in the Shark Tank. I guarantee he will make an interesting pitch with a compelling argument. His team has developed an excellent idea that deserves further consideration.

Thank you for your consideration.

A handwritten signature in blue ink, appearing to read 'Erik Paulson'.

Erik K. Paulson, M.D.  
Robert J. Reeves Professor  
Chair, Department of Radiology  
Duke Health