

## Ferdinand Hui, MD

Medical Advisor  
Neuro-intervention



### Career Summary

Dr. Ferdinand Hui is the Associate Professor at Johns Hopkins University and the Director of Interventional Stroke of the National Capital Region. Dr. Hui is a renowned neuro-interventional specialist surgeon with a radiology background and has experience working at the Cerebrovascular Institute at the Cleveland Clinic. He has vast knowledge of both hemorrhagic and ischemic stroke and a specialized focus on endovascular treatment of neurovascular disease, neuroradiology, and diagnostic radiology. Through his extensive career, Dr. Hui has been a collaborator of numerous esteemed publications and is a well-versed presenter and educator at local and national events.

### Clinical Consulting

**Corazon, Inc.**

**2019 - Present**

**Medical Advisor, Neuro-intervention**

Provides consultation to hospitals and health systems across the country for the implementation or development of stand-alone or hospital-based neuroscience and stroke programs. Interacts with physicians at client sites on a peer-to-peer basis. Participates in site visits to present to Boards, hospital leadership, and/or internal and external stakeholders on the clinical, operational, and financial aspects of best practice orthopedic spine services. Provides expertise and opinions on procedures and commentary about current industry trends, medical advances, and new technology in his area of specialty.

## Professional Experience

<b>Affiliate Professor</b> Malone Center for Engineering in Healthcare	<b>2018 - Present</b>
<b>Associate Professor (Courtesy)</b> Johns Hopkins Carey School of Business	<b>2018 - Present</b>
<b>Associate Professor of Radiology</b> Johns Hopkins Hospital	<b>2017 - Present</b>
<b>Assistant Professor of Radiology</b> Johns Hopkins Hospital	<b>2015 - 2017</b>
<b>Assistant Professor of Radiology</b> Cleveland Clinic Lerner College of Medicine	<b>2008 - 2015</b>
<b>Staff</b> Cleveland Clinic	

## Education & Training

Doctor of Medicine Degree  
University of Virginia  
Charlottesville, VA

Bachelor of Arts Degree in Interdisciplinary Studies  
*Concentrations in Biochemistry and Linguistics*  
University of Virginia  
Charlottesville, VA

### *Postdoctoral Training:*

Fellowship in Interventional Neuroradiology  
Emory University, Department of Radiology  
Atlanta, GA

Fellowship in Diagnostic Neuroradiology  
Emory University, Department of Radiology  
Atlanta, GA

Residency in Diagnostic Radiology  
Medical College of Virginia  
Richmond, VA

Internship in General Surgery  
University of California  
Los Angeles, CA

## Medical Certifications

Maryland	2015 – Present
Florida	2015 – Present
Ohio	2008 – Present

## Medical Boards

Diagnostic Radiology	June 2005 – Present
Neuroradiology CAQ	August 2009 – Present

## Advisory Committees

ASNR Vessel Wall Imaging Group	2013 – Present
SNIS Fellows Committee	2013 – Present
CRISP	2018 – Present
Brain Attack Coalition - Representative Alternate for SNIS and ASNR	2019 – Present
Stroke 2020 – Liaison for China	2019 – Present

## Professional Societies

Radiological Society of North America – Member	October 2001 – Present
American Society of Neuroradiology – Member	August 2005 – Present
Society of Neurointerventional Surgery - Senior Member	December 2008 – Present
American Heart Association – Member	2010 – Present
American Medical Informatics Association – Member	2018 – Present

## Awards

Roentgen Resident/Fellow Research Award	2002
Anthony V Proto Research Award	2004
Ellen Shaw de Paredes Breast Imaging Scholars Award	2004
Ellen Shaw de Paredes Breast Imaging Scholars Award	2005
Roentgen Resident/Fellow Research Award	2005
Cleveland Clinic Innovator Award	2010
Cleveland Clinic Innovator Award	2011
Cleveland Clinic Innovator Award	2012
Cleveland Clinic Innovator Award	2013
Cleveland Clinic Innovator Award	2014
Cleveland Clinic Innovator Award	2015

## Publications (2018 – current)

He, Y., Bai, W., Li, T., Hui, F.K., He, Y. and Xu, B., 2018. Curative Transvenous Embolization for Ruptured Brain Arteriovenous Malformations: A Single-Center Experience from China. *World neurosurgery*, 116, pp.e421-e428.

Deib, G., Johnson, A., Unberath, M., Yu, K., Andress, S., Qian, L., Osgood, G., Navab, N., Hui, F. and Gailloud, P., 2018. Image guided percutaneous spine procedures using an optical see-through head mounted display: proof of concept and rationale. *Journal of neurointerventional surgery*, pp.neurintsurg-2017.

Ong, C.S., Deib, G., Yesantharao, P., Qiao, Y., Pakpoor, J., Hibino, N., Hui, F. and Garcia, J.R., 2018. Virtual Reality in Neurointervention. *Journal of Vascular and Interventional Neurology*, 10(1), p.17.

Obusez, E. C., Jones, S. E., Mandell, D., Bullen, J., Gonzalez, F., & Hui, F. K. (2018). Feasibility of vessel wall imaging in assessing unruptured paraclinoid aneurysms: Clinical observations and preliminary experience. *Journal of Clinical Neuroscience*.

Kim TK, Yi PH, Wei J, Shin JW, Hager GD, Hui FK, Sair HI, Lin CT. Deep Learning Method for Automated Classification of Anteroposterior and Posteroanterior Chest Radiographs. *Journal of Digital Imaging*. in press.

Deib, G., Deldar, B., Hui, F., Barr, J. S., & Khan, M. A. (2019). Percutaneous Microwave Ablation and Cementoplasty: Clinical Utility in the Treatment of Painful Extraspinal Osseous Metastatic Disease and Myeloma. *American Journal of Roentgenology*, 1-8.

Novin, S. A., Huh, E. H., Bange, M. G., Hui, F. K., & Paul, H. Y. (2019). Readability of Spanish-Language Patient Education Materials From RadiologyInfo. org. *Journal of the American College of Radiology*.

Kim, T. K., Paul, H. Y., Wei, J., Shin, J. W., Hager, G., Hui, F. K., ... & Lin, C. T. (2019). Deep Learning Method for Automated Classification of Anteroposterior and Posteroanterior Chest Radiographs. *Journal of digital imaging*, 1-6.

Paul, H. Y., Kim, T. K., Wei, J., Shin, J., Hui, F. K., Sair, H. I., ... & Fritz, J. (2019). Automated semantic labeling of pediatric musculoskeletal radiographs using deep learning. *Pediatric radiology*, 1-5.

Farrokh, S., Owusu, K., Lara, L. R., Nault, K., Hui, F., & Spoelhof, B. (2019). Neuro-Interventional Use of Oral Antiplatelets: A Survey of Neuro-Endovascular Centers in the United States and Review of the Literature. *Journal of pharmacy practice*, 0897190019854868.

Yi, P. H., Lin, A., Wei, J., Yu, A. C., Sair, H. I., Hui, F. K., ... & Harvey, S. C. (2019). Deep-Learning-Based Semantic Labeling for 2D Mammography and Comparison of Complexity for Machine Learning Tasks. *Journal of digital imaging*, 32(4), 565-570.

Murray, N. M., Unberath, M., Hager, G. D., & Hui, F. K. (2019). Artificial intelligence to diagnose ischemic stroke and identify large vessel occlusions: a systematic review. *Journal of neurointerventional surgery*, neurintsurg-2019.

Liu, T.A., Ting, D.S., Paul, H.Y., Wei, J., Zhu, H., Subramanian, P.S., Li, T., Hui, F.K., Hager, G.D. and Miller, N.R., 2019. Deep Learning and Transfer Learning for Optic Disc Laterality Detection: Implications for Machine Learning in Neuro-Ophthalmology. Journal of Neuro-Ophthalmology.

## **Presentations (2018 – Current)**

Hui FK. Ask the Experts: Stroke Centers of Excellence. Society of Interventional Radiology. Los Angeles, CA. 03/21/2018.

Hui FK. Sedation in the Neurologically compromised patient. Society of Interventional Radiology. LA, CA. 03/20/2018.

Hui FK. Starting an Artificial Intelligence Lab. Society of Neurointerventional Surgery. San Francisco, CA. 7/25/2018.

Hui FK. Artificial Intelligence in Healthcare: The Nuts and Bolts. NEIMS 2018. Beijing, China. 8/24/2018.

Hui FK. Novel Models of Stroke Care Delivery. NEIMS 2018. Beijing, China. 8/24/2018.

Hui FK. Rethinking Stroke Delivery: What We Can Learn From Business. SLICE 2018. Nice, France. 10/1/2018.

Hui FK. ADAPT 2018. YanShan Neurovascular Summit 2018, Beijing, China. 11/16/2018.

Hui FK. Stent assisted coiling of complex aneurysms. YanShan Neurovascular Summit 2018, Beijing, China. 11/16/2018.

Hui FK. Clinical Artificial Intelligence. YanShan Neurovascular Summit 2018, Beijing, China. 11/16/2018.

Hui FK. Stroke Systems of Care: A business minded analysis. YanShan Neurovascular Summit 2018, Beijing, China. 11/16/2018.

Hui FK. The Suburban Project: 24/7 in 6 months. SIR 2019 Meeting. Austin, Texas. 3/28/2019.

Hui FK. Hopkins Stroke System: A Work in Progress. TSNIS 2019 (5th) Taiwan Society for Neurovascular and Interventional Surgery 5/4/2019.

Hui FK. Endovascular Management of Idiopathic Intracranial Hypertension. TSNIS 2019 (5th) Taiwan Society for Neurovascular and Interventional Surgery 5/5/2019.

Hui FK. SAM Session Neurointerventional Cases. ASNR 2019 Meeting. Boston, Massachusetts. 5/22/2019.

Hui FK. From Gel-the-Neck to HEAT, the case for gel coated coils. 06/22/2019. Shanghai Pujiang Conference of CVD: 8th annual meeting.

Hui FK. Using the Sofia Catheter. 06/22/2019. Shanghai Pujiang Conference of CVD: 8th annual meeting.

Hui FK. Using the Sofia Catheter. Changsha Hospital Grand Rounds 06/23/2019.

Hui FK. HydroGel. Wuhan General Hospital Grand Rounds 06/24/2019.

Hui FK. Advanced Stroke Intervention. Jingzhou General Hospital Grand Rounds 06/24/2019.

Hui FK. Complex Venous Intervention. SNIS Miami 07/25/2019.

Hui FK. Neurointerventional Opportunities for Machine Learning. Siemens Hopkins Annual Research Symposium. Baltimore 09/04/2019.

Hui FK. Complex Venous Neurointervention. NEIMS 2019, Tianjin, China. 10/19/2019.