

## HAITHAM M. HUSSEIN, MD, MSC

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**Address:**  
HealthPartners Medical Specialty Center  
Department of Neurology  
401 Phalen Boulevard  
St. Paul, MN 55130

**Tel:** 651-254-7900  
**Fax:** 651-254-7908  
**Email:**  
[Haitham.M.Hussein@HealthPartners.com](mailto:Haitham.M.Hussein@HealthPartners.com)

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### PROFESSIONAL PROFILE

*June 2015 – Present* Medical Director, Regions Hospital Comprehensive Stroke Center, Saint Paul, MN.

*August 2014 – May 2015* Neurologist. HealthPartners Medical Group, Saint Paul, MN.

*September 2012 – July 2014* Assistant Professor of Neurology, Cerebrovascular section, Baylor College of Medicine.

*July 2011 – August 2012* Vascular Neurology Fellow, Department of Neurology, University of Minnesota.

*July 2007 – June 2011* Resident (Chief Resident 2010-2011), Department of Neurology, University of Minnesota.

*March 2007 – June 2007* Research Associate, Department of Neurology, University of Minnesota.

*October 2005- February 2007* Research Associate III, Zeenat Qureshi Stroke Research Center (ZQSRC), Department of Neurology and Neurosciences, The New Jersey Medical School, University of Medicine and Dentistry in New Jersey (UMDNJ)

*April 2005- October 2005* Specialist, Neuropsychiatry Department, Sheikh Zayed Specialized Hospital, Ministry of Health and Population, Cairo, Egypt

*April 2002- June 2005* Resident (Chief Resident 2004-2005), Department of Neuropsychiatry (\*), Ain Shams University Hospitals, Cairo, Egypt

*March 2001- April 2002* Primary Care Physician (national service). Ministry of Health, Primary Care Service, Egypt.

*March 2000- February 2001* House Officer (Intern); Ain Shams University Hospitals, Cairo, Egypt

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*(\*) A combined neurology and psychiatry residency program*

## EDUCATION

- December 2002-  
December 2004*     **Master Degree in Neuropsychiatry; Grade: Excellent.**  
Department of Neuropsychiatry, Faculty Of Medicine, Ain Shams University.
- September 1993-  
January 2000*     **Bachelor of Medicine and Surgery; Grade: Very Good with Honors**  
Faculty of Medicine, Ain Shams University.
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## PUBLICATIONS (38)

- September 2017*     **Haitham M Hussein, Muhammad A Saleem, MD, Adnan I Qureshi, MD**  
**Statewide trends in utilization and outcomes of endovascular treatment of acute**  
Journal of Stroke and Cerebrovascular Diseases 2017 (accepted)
- February 2017*     **Haitham M Hussein, Bradleigh Dornfeld, Daniel J Schneider**  
**Nivolumab-Induced Posterior Reversible Encephalopathy Syndrome**  
Neurology Clinical Practice 2017 10.1212/CPJ.0000000000000362
- January 2017*     Anne S Abel, Sandip Suresh, **Haitham M Hussein**, Adam F Carpenter,  
Sandra R Montezuma, Michael S Lee, MD  
**Practice patterns following acute, embolic retinal artery occlusion**  
Asia-Pacific Journal of Ophthalmology 2017 6(1):37-39
- December 2016*     **Haitham M Hussein, MD MSc, Nicki Neimann, MD, Emily D Parker PhD,**  
MPH, and Adnan I Qureshi, MD for the VISTA Collaborators  
**Searching for the Smoker's Paradox in Acute Stroke Patients Treated with Intravenous Thrombolysis**  
Nicotine and Tobacco Research Journal 2017 1;19(7):871-876
- September 2016*     Adnan I. Qureshi, Yuko Y. Palesch, William G. Barsan, et al for the ATACH II Investigators and the Neurological Emergency Treatment Trials Network.  
**Intensive Blood Pressure Lowering in Patients with Acute Cerebral Hemorrhage.**  
N Engl J Med. 2016 Sep 15;375(11):1033-43.
- November 2015*     David J. Dries and **Haitham M Hussein**  
**Stroke: Part 2. Critical Care Update**  
Air Med J 2015 Nov-Dec;34(6):306-13.
- October 2015*     **Haitham M Hussein, Amr Abdel Moneim, Tamer Emara, Yousry A Abdelhamid, Haitham H Salem, Foad Abd-Allah, Mohammad A Farrag, M. Amir Tork, Ali S Shalash, Khaled H Ezz el dein, Gamal Magdy, Shady S Georgy, Peter G Ghali, Patrick D Lyden, Ramez R Moustafa**  
**Arabic Cross Cultural Adaptation and Validation of the National Institutes of Health Stroke Scale**  
J Neurol Sci. 2015. 15;357(1-2):152-6

- August 2015* David J. Dries and **Haitham M Hussein**,  
**Stroke: Part 1. Critical Care Update**  
Air Med J 2015 Sep-Oct;34(5):236-9.
- April 2015* Atul Maheshwari, Michael Fischer, Pierluigi Gambetti, Alicia Parker, Aarthi Ram, Claudio Soto, Luis Concha-Marambio, Yvonne Cohen, Ermias D. Belay, Ryan A. Maddox, Simon Mead, Clay Goodman, Joseph S. Kass, Lawrence B. Schonberger, **Haitham M. Hussein**  
**Recent US Case of Variant Creutzfeldt-Jakob Disease—Global Implications**  
Emerging Infectious Diseases. 2015;21(5):750-9
- October 2014* **Hussein HM**, Zacharatos H, Cordina S, Lakshminarayan K, Ezzeddine MA.  
**Intracranial Vascular Calcification is Protective from Vasospasm after Aneurysmal Subarachnoid Hemorrhage.**  
J Stroke Cerebrovasc Dis. (10):2687-93
- May 2014* Qureshi AI, Abd-Allah F, Aleu A, Connors JJ, Hanel RA, Hassan AE, **Hussein HM**, Janjua NA, Khatri R, Kirmani JF, Mazighi M, Mattle HP, Miley JT, Nguyen TN, Rodriguez GJ, Shah QA, Siddiqui AH, Suarez JI, Suri MF, Tolun R.  
**Endovascular treatment for acute ischemic stroke patients: implications and interpretation of IMS III, MR RESCUE, and SYNTHESIS EXPANSION trials: A report from the Working Group of International Congress of Interventional Neurology.**  
J Vasc Interv Neurol. 2014 May;7(1):56-75.
- April 2013* Qureshi AI, Majidi S, Gilani WI, Palesch YY, Martin R, Novitzke R, Cruz Flores S, Ehtisham A, Goldstein JN, Kirmani JF, **Hussein HM**, Suri MFK, Tariq NA, Antihypertensive Treatment of Acute Cerebral Hemorrhage Study Investigators.  
**Increased brain volume among good grade patients with intracerebral hemorrhage. Results from the Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) study.**  
Neurocrit Care 2013; 20(3):470-5
- December 2012* **Hussein HM**, Tariq NA, Palesch YY, Qureshi AI for the ATACH Investigators. **Reliability of hematoma volume measurement at local sites in a multicenter acute intracerebral hemorrhage clinical trial.**  
Stroke 2013;44(1):237-9.
- May 2012* Qureshi AI, Palesch YY, Martin R, Novitzke J, Cruz Flores S, Ehtisham A, Goldstein JN, Kirmani JF, **Hussein HM**, Suri MF, Tariq N; Antihypertensive Treatment of Acute Cerebral Hemorrhage Investigators.  
**Systolic blood pressure reduction and risk of acute renal injury in patients with intracerebral hemorrhage.**  
Am J Med. 2012 Jul;125(7):718.e1-6. Epub 2012 May 4.

- May 2012* Qureshi AI, Chaudhry SA, **Hussein HM**, Majidi S, Khatri R, Rodriguez GJ, Suri MF.  
**A comparison of outcomes associated with carotid artery stent placement performed within and outside clinical trials in the United States.**  
J Vasc Surg. 2012 May 3. [Epub ahead of print]
- March 2012* **Haitham M Hussein**, Tenbit Emiru, Alexandros Georgiadis, Adnan I Qureshi.  
**Assessment of Platelet Inhibition by Point-of Care Testing in Neuro-endovascular procedure.**  
AJNR. 2012 Mar 15. [Epub ahead of print]
- December 2011* Qureshi AI, Palesch YY, Martin R, Novitzke J, Flores SC, Ehtisham A, Ezzeddine MA, Goldstein JN, Kirmani JF, **Hussein HM**, Suri MFK, Tariq N, Liu Y, ATACH Investigators.  
**Effect of serum glucose concentrations during acute hospitalization on hematoma expansion, perihematomal edema, and three-month outcome among patients with intracerebral hemorrhage.**  
Neurocrit Care. 2011 Dec;15(3):428-35.
- September 2011* **Haitham M. Hussein MD**, Alexandros L. Georgiadis, MD, Adnan I. Qureshi MD  
**Point-of-care Testing for Anticoagulation Monitoring in Neuro-endovascular Procedures**  
AJNR 2011 [Epub ahead of print]
- April 2011* **Hussein HM**, Qureshi AI.  
**Editorial: Endovascular Treatment of Basilar Artery Occlusion: When a Pretty Picture Is Not Enough.**  
J Neuroimaging. 2011 [Epub ahead of print]
- April 2011* Miley JT, Memon MZ, **Hussein HM**, Valenta D, Suri MFK, Vazquez G, Qureshi, AI. **A Multicenter Analysis of “Time to Microcatheter” for Endovascular Therapy in Acute Ischemic Stroke.**  
J Neuroimaging. 2011 Apr;21(2):159-64
- January 2011* Zacharatos H, Hassan AE, Vazquez G, **Hussein HM**, Rodriguez GJ, Suri MF, Lakshminarayan K, Ezzeddine MA, Qureshi AI.  
**Comparison of acute nonthrombolytic and thrombolytic treatments in ischemic stroke patients 80 years or older.**  
Am J Emerg Med. 2011 Jan 17. [Epub ahead of print]
- January 2011* Qureshi AI, Tariq N, Hassan AE, Vazquez G, **Hussein HM**, Suri MFK, Georgiadis AL, Tummula RP, Taylor RA. **Predictors and Timing of Neurological Complications following Intracranial Angioplasty and/or Stent Placement.**  
Neurosurgery. 2011 Jan;68(1):53-60

- May 2010* Adnan I. Qureshi, MD; Yuko Y. Palesch, PhD; Renéé Martin, PhD; Jill Novitzke, RN, BSN; Salvador Cruz-Flores, MD; As'ad Ehtisham, MD; Mustapha A. Ezzeddine, MD; Joshua N. Goldstein, MD, PhD; **Haitham M. Hussein, MD**; M. Fareed K. Suri, MD; Nauman Tariq, MD; for the Antihypertensive Treatment of Acute Cerebral Hemorrhage Study Investigators. **Effect of Systolic Blood Pressure Reduction on Hematoma Expansion, Perihematomal Edema, and 3-Month Outcome Among Patients With Intracerebral Hemorrhage. Results From the Antihypertensive Treatment of Acute Cerebral Hemorrhage Study.**  
*Arch Neurol.* 2010;67(5):570-576.
- March 2010* **Hussein HM**, Georgiadis AL, Vazquez G, Miley JT, Memon MZ, Mohammad YM, Christoforidis GA, Tariq N, Qureshi AI. **Occurrence and Predictors of Futile Recanalization Following Endovascular Treatment among Patients with Acute Ischemic Stroke: A Multicenter Study.**  
*AJNR Am J Neuroradiol.* 2010 Mar;31(3):454-8. Epub 2010 Jan 14.
- February 2010* The ATACH investigators. **Antihypertensive Treatment of Acute Cerebral Hemorrhage.**  
*Crit Care Med* 2010 Feb;38(2):637-48
- February 2009* Qureshi AI, **Hussein HM**, Abdelmoula M, Georgiadis AL, Janjua N. **Subacute Recanalization and Recanalization in Patients with Acute Ischemic Stroke Following Endovascular Treatment.**  
*Neurocritical Care* 2009;10(2):195-203.
- January 2009* Georgiadis AL, **Hussein HM**, Vazquez G, Shah Q, Suri MF, Ezzeddine MA, Qureshi AI. **Premorbid Use of Statins Is Associated with Higher Recanalization Rates in Patients with Acute Ischemic Stroke Undergoing Endovascular Treatment.**  
*J Neuroimaging.* 2009 19(1):19-22.
- December 2008* **Haitham M Hussein**, Pansy Harris-Lane, Mohamed M Abdelmoula, Gabriela Vazquez. **Accuracy of Self-Perception of Cardiovascular Risk in the Community.**  
*Journal of Vascular and Interventional Neurology* 2008; 1(4):106-112
- November 2008* Adnan I Qureshi, Ahmed El-Gengaihi, **Haitham M Hussein**, M Fareed K Suri, David S Liebeskind. **Occurrence and Variability in Acute Formation of Leptomeningeal Collaterals in Proximal Middle Cerebral Artery Occlusion.**  
*Journal of Vascular and Interventional Neurology* 2008; 1(3):70-72

- November 2008* Qaisar A. Shah, Muhammad Zeeshan Memon, Gabriela Vazquez, M. Fareed K. Suri, **Haitham M. Hussein**, Yousef M. Mohammad, Adnan I. Qureshi. **Clinical and radiological outcomes of acute ischemic stroke patients without angiographic occlusion on digital subtraction angiogram. A pooled analysis of case series.** *Neuroradiology.* 2008;50(11):963-8
- November 2008* Burns TC, Rodriguez GJ, Patel S, **Hussein HM**, Georgiadis AL, Lakshminarayan K, Qureshi AI. **Endovascular Interventions Following Intravenous Thrombolysis May Improve Survival and Recovery in Patients with Acute Ischemic Stroke: A Case-Control Study.** *AJNR Am J Neuroradiol.* 2008;29(10):1918-24
- October 2008* M Fareed K. Suri, **Haitham M. Hussein, MD**, Mohammad Abdelmoula, Adnan I. Qureshi. **Safety and Tolerability of 600 mg Clopidogrel Bolus in Patients with Acute Cerebral Ischemia.** *Medical Science Monitor.* 2008;14(10):PI39-44.
- May 2008* Adnan I. Qureshi, Haitham M. Hussein, Ahmed El-gengahy, Mohammad Abdelmoula, M. Fareed K. Suri. **A Concurrent Comparison of Outcomes for Primary Angioplasty and Stent Placement in High-Risk Patients with Symptomatic Intracranial Stenosis.** *Neurosurgery* 2008;62(5):1053-60.
- January 2008* Adnan I. Qureshi, **Haitham M. Hussein**; Nazli Janjua, Pansy Harris-Lane, Mustapha A. Ezzeddine. **Post-procedure Intravenous Eptifibatide following Intra-arterial Reteplase in Patients with Acute Ischemic Stroke.** *Journal of Neuroimaging* 2008;18(1):50-5.
- October 2007* M. Fareed K. Suri, Abu Nasar, **Haitham M. Hussein**, Afshin A. Divani, Adnan I. Qureshi. **Intra-arterial Thrombolysis for Central Retinal Artery Occlusion in United States: Nationwide In-patient Survey 2001-2003.** *Journal of Neuroimaging* 2007;17(4):339-43.
- August 2007* Adnan I. Qureshi, Ammar Al-Kawi, **Haitham M. Hussein**, Afshin A. Divani. **Angiographic Analysis of Intravascular Thrombus Volume in Patients with Ischemic Stroke.** *Journal of Endovascular Therap* 2007;14(4):475-82.
- February 2007* Qureshi AI for the ATACH investigators. **Antihypertensive Treatment of Acute Cerebral Hemorrhage investigators. Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH): rationale and design.** *Neurocritical Care* 2007;6(1):56-66.

- January 2007* Qureshi AI, Ezzeddine MA, Nasar A, Suri MFK, Kirmani JF, **Hussein H**, Divani AA, Reddi AS. **Prevalence of elevated blood pressure in 563,704 adult patients with stroke presenting to the ED in the United States.**  
The American Journal of Emergency Medicine 2007;25(1):32-8.
- November 2006* Qureshi AI, Kirmani JF, **Hussein HM**, Harris-Lane P, Divani AA, Suri MFK, Janjua NA, Alkawi A. **Early and intermediate-term outcomes with drug eluting stents in high-risk patients with symptomatic intracranial stenosis.**  
Neurosurgery 2006;59(5):1044-51.
- September 2006* Ezzeddine MA, Suri MFK, **Hussein HM**, Qureshi AI. **Blood Pressure Management in Patients with Acute Stroke: Pathophysiology and Treatment Strategies.**  
Neurosurgery Clinics of North America 2006;17(1):41-56
- July 2006* Yousef M. Mohammad, Afshin A. Divani, Hoda Jradi, **Haithm M. Hussein**, Amardeep Hoonjan, Adnan I. Qureshi. **Primary Stroke Center: Basic components and recommendations.**  
Southern Medical Journal. 2006, Volume 99, Issue 7.
- June 2006* Adnan I. Qureshi, Mustapha A. Ezzeddine, M. Fareed K. Suri, **Haitham M. Hussein**, Afshin A. Divani. **Endovascular Treatment for High-Risk patients with Symptomatic Intracranial Stenosis.**  
Stroke Clinical Updates. May-June 2006, Issue 3, Vol. XVI.



## PRESENTATIONS

- April 2017*      **Statewide Trends in Endovascular Utilization and Outcomes: Analysis of the Minnesota Hospital Association Data (2014-2015).**  
**Haitham M Hussein,** Mohamed A Saleem, Adnan I Qureshi  
American Academy of Neurology Annual Meeting, April 22-28, Boston, MA.  
Poster presentation.
- April 2017*      **Analysis of Run Sheets of EMS Serving a Metropolitan Comprehensive Stroke Center.**  
**Haitham M Hussein,** Bhavani Kashyap, Lauren Erickson, Anna Forsberg,  
Aaron M. Burnett, Stephen C. Stanfield, Sandi S. Wewerka, Alexia J.  
Terwilliger, Leah Hanson  
American Academy of Neurology Annual Meeting, April 22-28, Boston, MA.  
Poster presentation.
- April 2017*      **Clinical Characteristics of Hmong Patients Presenting with Acute Ischemic Stroke.**  
**Haitham M Hussein,** Bhavani Kashyap, Lauren Erickson, Carol  
Droegemueller, Leah Haonson  
American Academy of Neurology Annual Meeting, April 22-28, Boston, MA.  
Poster presentation.
- Feb 2017*      **Statewide Trends in Endovascular Utilization and Outcomes: Analysis of the Minnesota Hospital Association Data (2014-2015).**  
**Haitham M Hussein,** Mohamed A Saleem, Adnan I Qureshi  
International Stroke Conference Meeting. Feb 22-24, Houston, TX. Poster  
presentation.
- Feb 2017*      **Clinical Characteristics of Hmong Patients Presenting with Acute Ischemic Stroke.**  
**Haitham M Hussein,** Bhavani Kashyap, Lauren Erickson, Carol  
Droegemueller, Leah Haonson  
International Stroke Conference Meeting. Feb 22-24, Houston, TX. Poster  
presentation.
- Jan 2017*      **Analysis of Run Sheets of EMS Serving a Metropolitan Comprehensive Stroke Center.**  
**Haitham M Hussein,** Bhavani Kashyap, Lauren Erickson, Anna Forsberg,  
Aaron M. Burnett, Stephen C. Stanfield, Sandi S. Wewerka, Alexia J.  
Terwilliger, Leah Hanson  
The National Association for EMS Physicians Annual Meeting Jan 24-26, New  
Orleans, LA. Poster presentation.

- May 2016*      **Pulmonary Edema as an Adverse Effect in Albumin Treatment for Acute Ischemic Stroke Study.**  
**Haitham M Hussein, MD,** Muhammad A Saleem MD, Adnan I Qureshi MD  
The 67<sup>th</sup> Annual Meeting of the American Academy of Neurology April 15-21, Vancouver, BC, Canada. Poster presentation.
- May 2016*      **Futile Recanalization Rate and Predictors in Subjects With Anterior Circulation Occlusion in IMS-III Trial.**  
**Haitham M Hussein, MD,** Muhammad A Saleem MD, Adnan I Qureshi MD  
The 67<sup>th</sup> Annual Meeting of the American Academy of Neurology April 15-21, Vancouver, BC, Canada. Poster presentation.
- February 2016*      **Futile Recanalization Rate and Predictors in Subjects With Anterior Circulation Occlusion in IMS-III Trial.**  
**Haitham M Hussein, MD,** Muhammad A Saleem MD, Adnan I Qureshi MD  
International Stroke Conference. February 17-19, Los Angeles, CA. Poster Presentation.
- April 2015*      **Effect of Cigarette Smoking on Outcomes of Acute Ischemic Stroke Treated with Intravenous Thrombolysis: Is There Any Paradox in The Brain?**  
**Haitham M Hussein, MD,** Nicki Niemann, MD, Logan Stuck, BS, MSc and Adnan I Qureshi, MD  
The 66<sup>th</sup> Annual Meeting of the American Academy of Neurology April 18-25, Washington DC. Poster presentation.
- May 2014*      **New Risk Score Improves Vasospasm Prediction Following Subarachnoid Hemorrhage Using Markers of Vascular Compliance**  
Aashish Anand, **Haitham Hussein,** Mustapha Ezzeddine, Joseph Kass, Jose Suarez.  
The 65<sup>th</sup> Annual Meeting of the American Academy of Neurology April 27-May 4, Philadelphia, PA. Poster presentation.
- April 2014*      **New Risk Score Improves Vasospasm Prediction Following Subarachnoid Hemorrhage Using Markers of Vascular Compliance**  
Ibrahim Akbar, **Haitham Hussein,** Paulina Sergot.  
Baylor College of Medicine Research Symposium. Poster presentation.  
Winner: BCM Collaborative Research Award

- March 2014* Anne S Abel, Adam Carpenter, Sandra R Montezuma, **Haitham Hussein**, Michael S Lee.  
**Practice Patterns Following Embolic Retinal Artery Occlusion**  
The 40th Annual Meeting of the North American Neuro-Ophthalmology Society March 1-6, Rio Grande, Puerto Rico. Poster Presentation
- November 2013* Anne S Abel, Adam Carpenter, Sandra R Montezuma, **Haitham Hussein**, Michael S Lee.  
**Practice Patterns Following Embolic Retinal Artery Occlusion**  
The Annual Meeting of the American Academy of Ophthalmology November 16-19, New Orleans, LA. Poster Presentation.
- March 2013* **Haitham Hussein**, Malik M. Adil, Adnan Qureshi  
**Effect of Carotid Revascularization Endarterectomy Versus Stenting Trial**  
**Results on Performance of Carotid Artery Stent Placement and Carotid Endarterectomy**  
The 64<sup>th</sup> Annual Meeting of the American Academy of Neurology March 16-23, San Diego, CA. Poster presentation.
- March 2013* **Haitham Hussein**, Ameer Hassan, Basit Rahim, Adnan Qureshi  
**Prevalence and Effect of 'No Reflow' Phenomenon Following Endovascular Treatment Related Recanalization in Patients with Acute Middle Cerebral Artery Occlusion**  
The 64<sup>th</sup> Annual Meeting of the American Academy of Neurology March 16-23, San Diego, CA. Poster presentation.
- March 2013* **ATACH Investigators.**  
**Global Cerebral Edema among Good Grade Patients with Intracerebral Hemorrhage. Results from the Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) Study**  
The 64<sup>th</sup> Annual Meeting of the American Academy of Neurology March 16-23, San Diego, CA. Poster presentation.
- Feb 2013* **Haitham Hussein**, Malik M. Adil, Adnan Qureshi  
**Effect of Carotid Revascularization Endarterectomy Versus Stenting Trial**  
**Results on Performance of Carotid Artery Stent Placement and Carotid Endarterectomy**  
The International Stroke Conference Feb 4-6, Honolulu, HI. Poster presentation.

- Feb 2013*      **Haitham Hussein, Ameer Hassan, Basit Rahim, Adnan Qureshi**  
**Prevalence and Effect of 'No Reflow' Phenomenon Following Endovascular Treatment Related Recanalization in Patients with Acute Middle Cerebral Artery Occlusion**  
The International Stroke Conference Feb 4-6, Honolulu, HI. Poster presentation.
- January 2013*      **Haitham M Hussein, MD**  
**Intracranial Artherosclerosis: Advances in Diagnosis and Management**  
American Society of Neuroimaging 36th Annual meeting. January 16-20, Las Vegas, NV. Invited Speaker.
- September 2012*      Cassidy JM, Gillick BT, Anderson DC, **Hussein HM**, Carey JR  
**Determination of rTMS Responsiveness Potential in Stroke Using Dual-Process Theory**  
Neuroscience meeting. October 13-17, New Orleans, LA. Poster presentation.
- April 2012*      **Haitham M Hussein, MD**  
**Point of Care Testing in the Angiographic Suite.**  
International Congress for Interventional Neurology. October 6-8, Minneapolis, MN. Invited Speaker.
- April 2012*      **Haitham M Hussein, Nauman Tariq, Adnan I Qureshi**  
**Reliability of hematoma volume calculation at local sites in the setting of a multicenter intracerebral hemorrhage clinical trial**  
The 63<sup>rd</sup> Annual Meeting of the American Academy of Neurology April 21-28, New Orleans, LA. Platform presentation.
- April 2012*      **Haitham M Hussein, Saqib A Chaudhry, Shahram Majidi, Rakesh Khatri, Gustavo J Rodriguez, M Fareed K Suri, Adnan I Qureshi**  
**A comparison of carotid artery stent placement performed within and outside clinical trials in the United States.**  
The 63<sup>rd</sup> Annual Meeting of the American Academy of Neurology April 21-28, New Orleans, LA. Moderated Poster presentation.
- April 2012*      Andrew D Martin, Saqib A Chaudhry, Hunar Kainth, **Haitham M Hussein, Gustavo J Rodriguez, M Fareed K Suri, Adnan I Qureshi**  
**Pre-procedural International Normalized Ratio and Hemorrhagic Complications associated with Neurointerventional Procedures.**  
The 63<sup>rd</sup> Annual Meeting of the American Academy of Neurology April 21-28, New Orleans, LA. Poster presentation.
- Feb 2012*      **Haitham M Hussein, Nauman Tariq, Adnan I Qureshi**  
**Reliability of hematoma volume calculation at local sites in the setting of a multicenter intracerebral hemorrhage clinical trial**  
The International Stroke Conference Feb 1-3, New Orleans, LA. Poster presentation.

- Feb 2012*      **Haitham M Hussein**, Saqib A Chaudhry, Shahram Majidi, Rakesh Khatri, Gustavo J Rodriguez, M Fareed K Suri, Adnan I Qureshi  
**A comparison of carotid artery stent placement performed within and outside clinical trials in the United States.**  
The International Stroke Conference Feb 1-3, New Orleans, LA. Platform presentation.
- Feb 2012*      Andrew D Martin, Saqib A Chaudhry, Hunar Kainth, **Haitham M Hussein**, Gustavo J Rodriguez, M Fareed K Suri, Adnan I Qureshi  
**Pre-procedural International Normalized Ratio and Hemorrhagic Complications associated with Neurointerventional Procedures.**  
The International Stroke Conference Feb 1-3, New Orleans, LA. Poster presentation.
- Feb 2012*      **Haitham M Hussein MD**  
**Cure versus Care.**  
Grand Rounds. Department of Neurology, University of Minnesota, Minneapolis, MN
- Feb 2011*      **Haitham M Hussein MD**  
**Subarachnoid Hemorrhage Update.**  
Grand Rounds. Department of Neurology, Texas Tech Medical School, El Paso, TX
- April 2011*      **Haitham M Hussein MD**, Saqib Chaudry MD, Nauman Tariq MD, Jefferson T. Miley MD, M. Fareed K. Suri MD, Robert A. Taylor MD, Ramachandra P. Tummula MD, Gustavo J. Rodriguez MD, Stanley H. Kim MD, and Adnan I Qureshi MD  
**Clinical relevance of residual stenosis following intracranial angioplasty and/or stent placement for atherosclerotic lesions**  
The 63<sup>rd</sup> Annual Meeting of the American Academy of Neurology April 9 - 16, 2011, Honolulu, HI. Poster presentation.
- April 2011*      **Haitham M Hussein MD**, Saqib Chaudry MD, Ruth Thomson DO, Ganesh Asaithambi MD, Fahad Sultan MD, Robert A. Taylor MD, Mustapha A. Ezzeddine MD, M. Fareed K. Suri MD, Adnan I Qureshi MD  
**Is the Risk of Fatal Brain Edema Increased with Thrombolysis Among Patients with Acute Ischemic Stroke?**  
The 63<sup>rd</sup> Annual Meeting of the American Academy of Neurology April 9 - 16, 2011, Honolulu, HI. Poster presentation.
- April 2011*      Nazli Janjua, Emiliya Melkumova, Shamrez Akrem, **Haitham M Hussein**, Darwin Ramirez-Abreu, Rebecca Poleshuck, Sherene McIntyre, Toby Gropen, Zimena Morales, Adnan I Qureshi.  
**Hemorrhage, Recanalization, and Clinical Outcomes for Combined Intravenous and Intraarterial Thrombolysis for Acute Ischemic Stroke.**  
The 63<sup>rd</sup> Annual Meeting of the American Academy of Neurology April 9 - 16, 2011, Honolulu, HI. Poster presentation.

- April 2011* Mustapha Ezzeddine MD, **Haitham M Hussein MD**, Haralabos Zacharatos DO, Steve Cordina MD, Brent Berry BS  
**Intracranial calcification has protective effect against occurrence of vasospasm after aneurysmal subarachnoid hemorrhage**  
 The 63<sup>rd</sup> Annual Meeting of the American Academy of Neurology April 9 - 16, 2011, Honolulu, HI. Poster presentation.
- April 2011* Haralabos Zacharatos, Ameer E Hassan, Gabriela Vazquez, **Haitham M Hussein**, Gustavo Rodriguez, Fareed Suri, Kamakshi Lakshminarayan, Mustapha A Ezzeddine, Adnan I Qureshi.  
**Comparison of Acute Medical Treatment in Ischemic Stroke Patients Aged 80 Years or Older.**  
 The 63<sup>rd</sup> Annual Meeting of the American Academy of Neurology April 9 - 16, 2011, Honolulu, HI. Poster presentation.
- February 2011* **Haitham M Hussein MD**, Saqib Chaudry MD, Nauman Tariq MD, Jefferson T. Miley MD, M. Fareed K. Suri MD, Robert A. Taylor MD, Ramachandra P. Tummula MD, Gustavo J. Rodriguez MD, Stanley H. Kim MD, and Adnan I Qureshi MD  
**Clinical relevance of residual stenosis following intracranial angioplasty and/or stent placement for atherosclerotic lesions**  
 International Stroke Conference February 8-11, 2011, Los Angeles, CA. Platform presentation.
- February 2011* Haralabos Zacharatos, Ameer E Hassan, Gabriela Vazquez, **Haitham H Hussein**, Gustavo J Rodriguez, M Fareed K Suri, Kamakshi Lakshminarayan, Mustapha A Ezzeddine, Adnan I Qureshi  
**Comparison of Acute Medical Treatments in Ischemic Stroke Patients Aged 80 Years or Older**  
 International Stroke Conference February 8-11, 2011, Los Angeles, CA. Poster presentation.
- February 2011* **Haitham M Hussein**, Saqib A Chaudhry, Ganesh Asaithambi, Ruth Thomson, Fahd Sultan, Robert A Taylor, Mustapha A Ezzeddine, M Fareed K Suri, Adnan I Qureshi  
**Is the Risk of Fatal Brain Edema Increased with Thrombolysis Among Patients with Acute Ischemic Stroke?**
- April 2010* **Haitham M Hussein**, Haralabos Zacharatos, Steve Cordina, Adnan I Qureshi, Mustapha Ezzeddine.  
**Vasospasm in aneurysmal SAH and intracranial calcification**  
 The 61<sup>st</sup> Annual Meeting of the American Academy of Neurology April 10 - 17, 2010, Toronto, Ontario. Poster presentation. Selected for the highlights session.
- April 2010* **Haitham M. Hussein MD**, Nauman Tariq MD, Stanley H. Kim MD, M. Fareed K. Suri MD, Ramachandra P. Tummula MD, Robert A. Taylor MD, Mohammad Abdelmoula MD, Adnan I. Qureshi MD.  
**Natural History of Asymptomatic Restenosis following Endovascular Treatment of Symptomatic Intracranial Stenosis. A Multicenter Study**  
 The 61<sup>st</sup> Annual Meeting of the American Academy of Neurology April 10 - 17, 2010, Toronto, Ontario. Platform presentation.

- April 2010* Jeff Miley, Gabriella Vazquez, MuhammadZeeshan Memon, **Haitham M Hussein**, M Fareed K Suri, Ramachandra P Tummala, Robert A Taylor, Adnan I Qureshi  
**Prominent Loss of Clinical Benefit Among Patients with Acute Ischemic Stroke Treated with Endovascular Treatment After 6 hours of Symptom Onset.**  
The 61st Annual Meeting of the American Academy of Neurology April 10 - 17, 2010, Toronto, Ontario. Poster presentation.
- April 2010* Nauman Tariq, AH, Gabriella Vazquez, **Haitham M Hussein**, M Fareed K Suri, AG, Ramachandra P Tummala, Robert A Taylor, Adnan I Qureshi.  
**Factors Associated with Neurological Complications following Intracranial Angioplasty and/or Stent Placement. A Multicentric Study.**  
The 61st Annual Meeting of the American Academy of Neurology April 10 - 17, 2010, Toronto, Ontario. Poster presentation.
- April 2010* Nauman Tariq, **Haitham M Hussein**, Gabriella Vazquez, ..., Jill Novitzke, M Fareed K Suri, Adnan I Qureshi, Mustapha Ezzeddine  
**Predictors and Impact of Hematoma Resorption in Medically Treated Patients with Intracerebral Hemorrhage.**  
The 61st Annual Meeting of the American Academy of Neurology April 10 - 17, 2010, Toronto, Ontario. Poster presentation.
- April 2010* Adnan I. Qureshi MD, Yuko Y. Palesch PhD, Renee' Martin PhD, Jill Novitzke RN, Salvador Cruz-Flores MD, As'ad Ehtisham MD, Mustapha A Ezzeddine MD, Joshua Goldstein MD, PhD, Jawad F Kirmani MD, **Haitham H. Hussein MD**, M Fareed K Suri MD, Nauman Tariq MD, Yuan Liu PhD, for the ATACH investigators  
**Effect of Serum Glucose Concentrations during Acute Hospitalization on Hematoma Expansion, Perihematomal Edema, and Three Month Outcome Among Patients with Intracerebral Hemorrhage. Results from the Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) Study.**  
The 61st Annual Meeting of the American Academy of Neurology April 10 - 17, 2010, Toronto, Ontario. Platform presentation.
- April 2010* Adnan I. Qureshi MD, Yuko Y. Palesch PhD, Renee' Martin PhD, Jill Novitzke RN, Salvador Cruz-Flores MD, As'ad Ehtisham MD, Mustapha A Ezzeddine MD, Joshua Goldstein MD, PhD, Jawad F Kirmani MD, **Haitham M. Hussein MD**, M Fareed K Suri MD, Nauman Tariq MD, for the ATACH investigators.  
**Does National Institutes of Health Stroke Scale Score Provide Additional Predictive Value in Good Grade Patients with Intracerebral Hemorrhage? Results from the Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) Study.**  
The 61st Annual Meeting of the American Academy of Neurology April 10 - 17, 2010, Toronto, Ontario. Poster presentation.

- April 2010* Jeff Miley, Gabriella Vazquez, MuhammadZeeshan Memon, **Haitham M Hussein**, M Fareed K Suri, GR, RK, Robert A Taylor, Adnan I Qureshi  
**Comparison between Thrombolytic Bridging Therapy and Primary Endovascular Treatment in Acute Ischemic Stroke: A Multicenter Study.**  
The 61st Annual Meeting of the American Academy of Neurology April 10 - 17, 2010, Toronto, Ontario. Platform presentation.
- February 2010* Jeff Miley, Gabriella Vazquez, MuhammadZeeshan Memon, **Haitham M Hussein**, M Fareed K Suri, Ramachandra P Tummala, Robert A Taylor, Adnan I Qureshi  
**Prominent Loss of Clinical Benefit Among Patients with Acute Ischemic Stroke Treated with Endovascular Treatment After 6 hours of Symptom Onset.**  
International Stroke Conference February 24– 26, 2009, San Antonio, Texas. Poster presentation.
- February 2010* Qureshi AI. , Tariq N, Hassan AE, Vazquez G, **Hussein HM**, Suri MFK, Georgiadis AL, Tummala RP, Taylor RA.  
**Factors Associated with Neurological Complications following Intracranial Angioplasty and/or Stent Placement. A Multicentric Study.**  
International Stroke Conference February 24– 26, 2009, San Antonio, Texas. Poster presentation.
- February 2010* Nauman Tariq, **Haitham M Hussein**, Gabriella Vazquez, Rinee Martin, Jill Novitzke, M Fareed K Suri, Adnan I Qureshi, Mustapha A Ezzeddine.  
**Predictors and Impact of Hematoma Resorption in Medically Treated Patients with Intracerebral Hemorrhage.**  
International Stroke Conference February 24– 26, 2009, San Antonio, Texas. Poster presentation.
- February 2010* Adnan I. Qureshi MD, Yuko Y. Palesch PhD, Renee' Martin PhD, Jill Novitzke RN, Salvador Cruz-Flores MD, As'ad Ehtisham MD, Mustapha A Ezzeddine MD, Joshua Goldstein MD, PhD, Jawad F Kirmani MD, **Haitham M. Hussein MD**, M Fareed K Suri MD, Nauman Tariq MD, Yuan Liu PhD, for the ATACH investigators  
**Effect of Serum Glucose Concentrations during Acute Hospitalization on Hematoma Expansion, Perihematomal Edema, and Three Month Outcome Among Patients with Intracerebral Hemorrhage. Results from the Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) Study.**  
International Stroke Conference February 24– 26, 2009, San Antonio, Texas. Poster presentation.



- February 2010* Adnan I. Qureshi MD, Yuko Y. Palesch PhD, Renee' Martin PhD, Jill Novitzke RN, Salvador Cruz-Flores MD, As'ad Ehtisham MD, Mustapha A Ezzeddine MD, Joshua Goldstein MD, PhD, Jawad F Kirmani MD, **Haitham M. Hussein MD**, M Fareed K Suri MD, Nauman Tariq MD, for the ATACH investigators.  
**Does National Institutes of Health Stroke Scale Score Provide Additional Predictive Value in Good Grade Patients with Intracerebral Hemorrhage? Results from the Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH) Study.**  
 International Stroke Conference February 24– 26, 2009, San Antonio, Texas. Platform presentation.
- February 2010* Jeff Miley, Gabriella Vazquez, MuhammadZeeshan Memon, **Haitham M Hussein**, M Fareed K Suri, GR, RK, Robert A Taylor, Adnan I Qureshi  
**Comparison between Thrombolytic Bridging Therapy and Primary Endovascular Treatment in Acute Ischemic Stroke: A Multicenter Study.**  
 International Stroke Conference February 24– 26, 2009, San Antonio, Texas. Poster presentation.
- August 2009* Adnan I Qureshi, MD, Nauman Tariq, MD, Ameer E. Hassan MD, Gabriela Vazquez PhD, **Haitham M Hussein MD**, M. Fareed K. Suri MD, Alexandros L Georgiadis, MD, Ramachandra P. Tummula MD, Robert A. Taylor MD.  
**Predictors and Timing of Neurological Complications following Intracranial Angioplasty and/or Stent Placement.**  
 International Stroke Conference February 24– 26, 2009, San Antonio, Texas. Submitted.
- April 2009* **Haitham M Hussein**, Alexandros L Georgiadis, Gabriela Vazquez, Jefferson T. Miley, Muhammad Zeeshan Memon, Adnan I Qureshi,.  
**Occurrence and Predictors of Futile Recanalization Following Intra-arterial Thrombolysis among Patients with Acute Ischemic Stroke.**  
 The 61st Annual Meeting of the American Academy of Neurology's April 25 - May 2, 2009, Seattle, WA. Platform presentation.
- April 2009* Jefferson T. Miley, Muhammad Zeeshan Memon, **Haitham M. Hussein**, Douglas A. Valenta, M. Fareed K. Suri, Gabriela Vazquez and Adnan I. Qureshi.  
**A Multicenter Analysis of “Time to Microcatheter” for Endovascular Therapy in Acute Ischemic Stroke.**  
 The 61st Annual Meeting of the American Academy of Neurology's April 25 - May 2, 2009, Seattle, WA. Platform presentation.
- April 2009* Jefferson T. Miley, **Haitham M. Hussein**, Adam Todd, Erik Uhlmann, Douglas A. Valenta, Osman S. Kozak, Gabriela Vazquez, Mustapha A. Ezzeddine and Adnan I Qureshi.  
**An Eye Ball Estimation of Intracerebral Hemorrhages.**  
 The 61st Annual Meeting of the American Academy of Neurology's April 25 - May 2, 2009, Seattle, WA. Platform presentation.

- February 2009* Jefferson T. Miley, Muhammad Zeeshan Memon, **Haitham M. Hussein**, Douglas A. Valenta, M. Fareed K. Suri, Gabriela Vazquez and Adnan I. Qureshi.  
**A Multicenter Analysis of “Time to Microcatheter” for Endovascular Therapy in Acute Ischemic Stroke.**  
International Stroke Conference February 18 – 20, 2008, San Diego, California. Poster presentation.
- February 2009* **Haitham M Hussein**, MD, Alexandros L Georgiadis, MD, Gabriela Vazquez, MD, Adnan I Qureshi, MD.  
**Occurrence and Predictors of Futile Recanalization Following Intra-arterial Thrombolysis among Patients with Acute Ischemic Stroke.**  
International Stroke Conference February 18 – 20, 2008, San Diego, California. Poster presentation.
- Jan 2009* **Haitham M Hussein**, MD, Alexandros L Georgiadis, MD, Gabriela Vazquez, PhD, Jefferson T. Miley MD, Muhammad Zeeshan Memon MD, Adnan I Qureshi, MD **Occurrence and Predictors of Futile Recanalization Following Intra-arterial Thrombolysis among Patients with Acute Ischemic Stroke.**  
The 32<sup>nd</sup> Annual Meeting of the American Society of Neuroimaging, January 22-25, 2009, Orlando, Florida. Poster presentation.
- April 2008* **Haitham M Hussein**, Mohammad Abdelmoula, Adnan I Qureshi.  
**Natural History of Asymptomatic Restenosis following Endovascular Treatment of Symptomatic Intracranial Stenosis Does Not Support Retreatment.**  
The 60<sup>th</sup> Annual Meeting of the American Academy of Neurology April 12-17, 2008, Chicago, Illinois. Platform presentation.
- April 2008* **Haitham M Hussein**, M Fareed K Suri, Mohammad Abdelmoula, Yousef M. Mohammad, Adnan I. Qureshi.  
**Effect of Cigarette Smoking on Outcomes of Acute Ischemic Stroke Treated with Intra-arterial Thrombolysis. Is There Any Paradox in The Brain?**  
The 60<sup>th</sup> Annual Meeting of the American Academy of Neurology April 12-17, 2008, Chicago, Illinois. Poster presentation.
- February 2008* **Haitham M Hussein**, Mohammad Abdelmoula, Adnan I Qureshi.  
**Natural History of Asymptomatic Restenosis following Endovascular Treatment of Symptomatic Intracranial Stenosis Does Not Support Retreatment.**  
International Stroke Conference 2008, February 19 – 22, 2008, New Orleans, Louisiana. Platform presentation.
- April 2007* **Hussein HM**, Janjua N, Harris-Lane P, Divani DD, Georgiadis A, Qureshi AI. **Subacute Recanalization and Re-occlusion following Intra-arterial Thrombolysis in Patients with Ischemic Stroke.**  
The 59th Annual Meeting of the American Academy of Neurology, April 28 – May 5, 2007, Boston, Massachusetts. Poster presentation.

- April 2007*     **Haitham M Hussein**, Ammar AlKawi, Jawad F Kirmani, Mustapha Ezzeddine, Afshin A Divani, Adnan I Qureshi, Newark, NJ, United States.  
**Reliability of Self Reporting of Cocaine Abuse in Patients presenting with Acute Ischemic Stroke.**  
The 59th Annual Meeting of the American Academy of Neurology, April 28 – May 5, 2007, Boston, Massachusetts. Poster presentation.
- April 2007*     El-Gengaihy A, **Hussein HM**, Liebeskind DS, Divani AA, Ezzeddine MA, Qureshi AI.  
**Acute Formation of Leptomeningeal Collaterals in Proximal Middle Cerebral Artery Occlusion.**  
The 59th Annual Meeting of the American Academy of Neurology, April 28 – May 5, 2007, Boston, Massachusetts. Poster presentation.
- April 2007*     Suri MFK, **Hussein HM**, Patel A, Rodriguez GJ, Ibrahim MS, Ezzeddine MA, Qureshi AD.  
**Safety and Tolerability of 600 mg Clopidogrel Bolus in Patients with Acute Cerebral Ischemia.**  
The 59th Annual Meeting of the American Academy of Neurology, April 28 – May 5, 2007, Boston, Massachusetts. Poster presentation.
- April 2007*     Shah QA, Suri MFK, **Hussein HM**, Georgiadis A, Qureshi AI.  
**Clinical and Radiological Outcomes in 82 Acute Ischemic Stroke Patients without Angiographic Occlusion.**  
The 59th Annual Meeting of the American Academy of Neurology, April 28 – May 5, 2007, Boston, Massachusetts. Poster presentation.
- April 2007*     Divani AA, Nasar, MS; Suri MFK, **Hussein HM**, Rodriguez GJ, Ezzeddine MA, Qureshi AI.  
**What American Heart Association Guideline Criteria to Use for Acute Hypertension Treatment in Intracerebral Hemorrhage?**  
The 59th Annual Meeting of the American Academy of Neurology, April 28 – May 5, 2007, Boston, Massachusetts. Poster presentation.
- February 2007*     **Hussein HM**, Zhou J, Stalcup P, Harris-Lane P, Abdelmoula M, Qureshi AI.  
**Reliability Of Self Assessment of Cardiovascular Risk.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.
- February 2007*     **Hussein HM**, Baybutt TR, Zhou J, Divani AA, Qureshi AI. **The Quality of Adverse Event Reporting in Drug-Related Hemorrhagic Stroke Trials from the Stroke Trials Registry.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.

- February 2007*     **The ATACH study Investigators. Comparison Of Patients With Intracerebral Hemorrhage Treated Within And Outside Clinical Trials: A Report Of the Antihypertensive Treatment of Acute Cerebral Hemorrhage Investigators.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.
- February 2007*     Georgiadis AL, **Hussein HM**, Wright EJ, Suri MFK, AlKawi A, Qureshi AI. **Current Statin Use is Associated with Higher Recanalization Rates among Patients Treated with Endovascular Procedures for Acute Ischemic Stroke.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.
- February 2007*     Georgiadis AL, **Hussein HM**, Baybutt TR, Suri MFK, AlKawi A, Qureshi AI. **Use of Anti-platelet Medications is Not Associated with Higher Rates of Intracranial Hemorrhage in Patients Treated with Endovascular Procedures for Acute Ischemic Stroke.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.
- February 2007*     AlKawi A, **Hussein HM**, Janjua N, Patel AS, Suri MFK, Harris-Lane P, Qureshi AI. **Are Patients Recruited In Clinical Trials Appropriately Representative Of The Patients Treated With Endovascular Treatment For Acute Ischemic Stroke?**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.
- February 2007*     Suri MFK, **Hussein HM**, Patel A, Berezina T, Wright E, Divani AA, Qureshi AI. **External Validation Of A Scheme To Identify Persons For Asymptomatic Carotid Artery Stenosis Screening.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.
- February 2007*     AlKawi A, Janjua N, **Hussein HM**, Patel AS, Baybutt T, Qureshi AI. **Intra-arterial Thrombolysis For Patients With Ischemic Stroke Aged 80 Years Or Greater: Pooled Analysis From Four Prospective Studies.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.

- February 2007* Qureshi AI, El-Gengaihy A, **Hussein HM**, Suri MFK, Harris-Lane P, AlKawi A, Kirmani JF, Divani AA.  
**A Concurrent Comparison Of Primary Angioplasty And Primary Stent Placement In High-risk Patients With Symptomatic Intracranial Stenosis.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.
- February 2007* Ezzeddine MA, Malik AK, **Hussein HM**, Jacob M, Suri MFK, Kirmani JF, Qureshi AI.  
**Abnormal Platelet Function is Associated with Hematoma Growth in Primary Intracerebral Hemorrhage.**  
The 32nd International Stroke Conference, February 7-9, 2007, San Francisco, CA. Poster presentation.
- June 2006* A. A. Divani, **H. M. Hussein**, T. Berezina, J. Zhou, R. Mahbobi, J. Kirmani, A. I. Qureshi. **The Use of Distal Protection Device in Endovascular Therapy of Arterial Occlusive Diseases.**  
Platform Presentation. The 13th International Congress on Neurology and Clinical Electrophysiology, June 4th-9th, 2006, Tehran, Iran.
- June 2006* A. A. Divani, A. I. Qureshi, **H. M. Hussein**, J. Zhou. P. Pullicino. **The Impact of Pre-existing Heart Failure on In-Hospital Outcomes among Patients with Ischemic Stroke in the United States.**  
Platform Presentation. The 13th International Congress on Neurology and Clinical Electrophysiology, June 4th-9th, 2006, Tehran, Iran.
- May 2006* A. A. Divani, T. L. Berezina, **H. M. Hussein**, N. Janjua, S. B. Zaets, R. Mahboobi, J. F. Kirmani, A. I. Qureshi. **Rationale for the use of distal cerebral protection devices in stenting of vertebral and internal carotid arteries.** Platform Presentation. The 10th Annual Session of the Bakoulev Scientific Center for Cardiovascular Surgery, Russian Academy of Medical Sciences, May 14-16, 2006, Moscow, Russia.
- May 2006* A. I. Qureshi, A. A. Divani, S. B. Zaets, F. M. Suri, **H. M. Hussein**, T. L. Berezina, J. F. Kirmani, J. Zhou. **The impact of pre-hypertension on cardiovascular diseases.**  
Platform Presentation. The 10th Annual Session of the Bakoulev Scientific Center for Cardiovascular Surgery, Russian Academy of Medical Sciences, May 14-16, 2006, Moscow, Russia.

- May 2006* A. A. Divani, S. B. Zaets, **H. M. Hussein**, J. Zhou, P. M. Pullicino, A. I. Qureshi, **Pre-existing congestive heart failure among patients with ischemic stroke in the United State.**  
Platform Presentation. The 10th Annual Session of the Bakoulev Scientific Center for Cardiovascular Surgery, Russian Academy of Medical Sciences, May 14-16, 2006, Moscow, Russia.
- April 2006* Ammar Alkawi MD, Nazli A. Janjua MD, **Haitham M. Hussein MD**, Afshin A. Divani PhD, Jawad F. Kirmani MD, Mustapha A. Ezzeddine MD, Adnan I. Qureshi MD.  
**Acute Ischemic Stroke without Angiographic Occlusion is Not a Benign Entity.**  
Poster presentation. The 58th Annual Meeting of the American Academy of Neurology, April 1-8, 2006, San Diego, CA.
- April 2006* Adnan I. Qureshi MD, Jawad F. Kirmani MD, Pansy Harris-Lane RN ACNP, Afshin A. Divani PhD, Ammar Alkawi MD, **Haitham M. Hussein MD**, Nazli A. Janjua MD, M. Fareed K. Suri MD.  
**Early and Long-term Outcomes with Drug Eluting Stents in High-Risk Patients with Symptomatic Intracranial Stenosis.**  
Poster presentation. The 58th Annual Meeting of the American Academy of Neurology, April 1-8, 2006, San Diego, CA.
- April 2006* Afshin A Divani PhD, Zhou Jingying MSc, **Haitham M Hussein MD**, Sergey B Zaets MD, Tamara L Berezina MD, Adnan I Qureshi MD.  
**Post-Stroke Sleep Disturbances are Frequent Among Stroke Survivors: Results from Health and Retirement Study Survey 2002.**  
Poster presentation. The 58th Annual Meeting of the American Academy of Neurology, April 1-8, 2006, San Diego, CA.
- April 2006* Afshin A Divani PhD, **Haitham M Hussein MD**, Zhou Jingying MSc, Sergey B Zaets MD, Tamara L Berezina MD, Adnan I Qureshi MD.  
**Prevalence of Urinary Incontinence in a Large Cohort of stroke Survivors: Health and Retirement Survey 2002.**  
Poster presentation. The 58th Annual Meeting of the American Academy of Neurology, April 1-8, 2006, San Diego, CA
- August 2004* S. Ahmed , J. F. Kirmani , A. Ammar , F. A. Syed , A. Siddiqui , S. V. Szapiel , P. Jethwa, A. A. Divani , **H. M. Nabil** , A. I. Nasar , F. Weisbroat, A. I. Qureshi. **A Retrospective study of the Prevalence and Appropriateness of Intravenous heparin use for Ischemic Stroke in Hispanics and African Americans in an Urban Hospital Community: A regional Population Study.**  
Platform presentation. The 8th Joint Annual Meeting of CV/ASITN. New Orleans. February 1-4, 2005.
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**RESEARCH***2017 – present***Title:** AtRial Cardiopathy and Antithrombotic Drugs In Prevention after Cryptogenic Stroke (ARCADIA)**Funding Agency:** NINDS**Principal Investigator:** Mitchell S Elkind, MD**Role:** Site PI**Aim:** Primary objective is to test the hypothesis that apixaban is superior to aspirin for the prevention of recurrent stroke in patients with cryptogenic ischemic stroke and atrial cardiopathy. Secondary objective is to test the hypothesis that the relative efficacy of apixaban over aspirin increases with the severity of atrial cardiopathy.*2016 – present***Title:** Stroke in Minorities**Funding Agency:** Regions Hospital**Principal Investigator:** Haitham Hussein, MD**Role:** PI**Aim:** Identifying the disparities in stroke biology, care, healthcare utilization, and outcome among stroke patients admitted to Regions Hospital with focus on war refugees: Hmong and East Africans as well as young adults.*2016 – present***Title:** Investing in COmmunication to eNhance collaboration and ascertaIn outComes after stroke (ICONIC) Project**Funding Agency:** Regions Hospital**Principal Investigator:** Haitham Hussein, MD**Role:** PI**Aim:** to elevate patient care and Regions Hospital's reputation for acute stroke care by enhancing communication with our partners and engagement with our patients. We will examine 2 different communication protocols with which we can a) provide feedback to EMS providers and hospitals transferring stroke patients to Regions and b) communicate with our stroke patients and collect 3-month post-hospital discharge functional outcome state.*2016 – present***Title:** Stroke AF - Rate of Atrial Fibrillation Through 12 Months in Patients With Recent Ischemic Stroke of Presumed Known Origin**Funding Agency:** Medtronic Cardiac Rhythm and Heart Failure**Principal Investigator:** Haitham Hussein, MD**Role:** Site PI**Aim:** to compare the incidence of atrial fibrillation through 12 months between continuous cardiac rhythm monitoring with the Reveal LINQ™ Insertable Cardiac Monitor (ICM) (continuous monitoring arm) and standard of care medical treatment (control arm) in subjects with a recent ischemic stroke of presumed known origin.

- 2015 – present*     **Title:** HI IQ – HealthPartners Initiative to Improve stroke care by developing and maintaining high Quality database (HI IQ)  
**Funding Agency:** HealthPartners Research Institute  
**Principal Investigator:** Haitham Hussein, MD  
**Role:** PI  
**Aim:** creating and prospectively maintaining a comprehensive database that captures all aspects of care provided to the patients treated under the umbrella of Regions Hospital Comprehensive Stroke Center (ischemic stroke, intracerebral hemorrhage, and subarachnoid hemorrhage). Then we will use the data collected to: a) identify current practice gaps, b) compare practice with national performance data, c) monitor the change in performance after implementing quality improvement initiatives. The ultimate goal of this project is to incorporate data driven quality improvement into daily operations of Regions comprehensive stroke center, which is one of the strategic goals of the leaders of Regions hospital and the neurosciences department.
- 2015 – present*     **Title:** RESPECT-ESUS – Dabigatran Etxilate for Secondary Stroke Prevention in Patients With Embolic Stroke of Undetermined Source  
**Funding Agency:** Boehringer Ingelheim  
**Principal Investigator:** Boehringer Ingelheim  
**Role:** Site PI  
**Aim:** compare the efficacy of dabigatran etexilate versus aspirin for prevention of stroke in patients with embolic stroke of undetermined source
- 2014 – 2015*     **Title:** SOCRATES – Acute Stroke Or Transient IsChemic Attack Treated With Aspirin or Ticagrelor and Patient OutcomES  
**Funding Agency:** AstraZeneca  
**Principal Investigator:** Nathan Deal, MD  
**Role:** Coinvestigator  
**Aim:** compare the efficacy of ticagrelor versus aspirin for prevention of vascular events (stroke, MI, and death) in patients with acute stroke or TIA.
- 2013 – 2015*     **Title:** Arabic Cross Cultural Adaptation and Validation of the National Institutes of Health Stroke Scale  
**Funding Agency:** N/A  
**Principal Investigator:** Haitham M Hussein, MD, MSc  
**Role:** Principal investigator  
**Aim:** development and validation of the Arabic version of the NIHSS. Development phase is complete. Validation phase is ongoing (at Ain Shams University Hospital, Cairo, Egypt)



- 2013 – 2014 **Title:** Stroke in Hispanic and African American Residents of Harris County (SHARC)  
**Funding Agency:** N/A  
**Principal Investigator:** Haitham M Hussein, MD, MSc  
**Role:** Principal investigator  
**Aim:** retrospective chart review of Ben Taub Hospital stroke patients to 1) assess stroke outcomes in Hispanic and African American population treated at Harris Health system and compare that with national data 2) evaluate determinants of clinical outcomes after acute stroke 3) study the association between co-morbid illnesses and clinical outcome 4) determine impact on hospital length of stay and mortality both in-hospital and long-term 5) assess rate and causes of readmission and rehospitalization after stroke 7) assess the effect of implementation of patient/family education tools in patient satisfaction, compliance and stroke recurrence 8) appraise resource utilization 9) assess efficiency of patient care protocols
- 2010 – 2015 **Title:** Antihypertensive Treatment of Acute Cerebral Hemorrhage: A Phase III Randomized Multicenter Clinical Trial of Blood Pressure Reduction for Hypertension in Acute Intracerebral Hemorrhage (ATACH II)  
**Funding Agency:** NIH  
**Principal Investigator:** Adnan I Qureshi, MD  
**Baylor College of Medicine Site PI:** Jose Suarez, MD  
**Role:** Coinvestigator – technical and scientific support to participating sites; imaging analysis, screening and enrolling subjects  
**Aim:** This is a multicenter, randomized, concurrently-controlled study that aims to determine the therapeutic benefit of intensive SBP treatment (SBP<140 mmHg) compared with standard SBP treatment (SBP<180 mmHg) in reducing the proportion of patients with death and disability (mRS of 4-6) at Day 90 among subjects with ICH treated within 3 hours of symptom onset.
- 2010 – 2012 **Title:** Intracranial calcification as a marker for intracranial atherosclerosis  
**Funding Agency:** N/A  
**Principal Investigator:** Haitham M Hussein, MD, MSc  
**Role:** Principal investigator  
**Aim:** 1) development of a tool to quantify intracranial vascular calcification 2) prediction of cerebrovascular events using calcification 3) studying the impact of intracranial calcification on cerebrovascular diseases severity 4) differential benefit of different treatments in presence or absence of calcification

2009 – 2014

**Title:** Platelet oriented inhibition in new TIA or minor ischemic stroke (POINT) trial

**Funding Agency:** UCSF, NETT

**Principal Investigator:** Claiborne Johnston, MD, PhD and Donald Easton, MD

**Baylor College of Medicine Site PI:** Dick Kuo, MD

**Role:** screening and enrolling subjects

**Aim:** POINT is a randomized, double-blind, multicenter clinical trial to determine whether clopidogrel 75mg/day (after a loading dose of 600mg) is effective in improving survival free from major ischemic vascular events (ischemic stroke, myocardial infarction, and ischemic vascular death) at 90 days when initiated within 12 hours of TIA or minor ischemic stroke onset in patients receiving aspirin 50-325mg/day. The primary outcome is new ischemic vascular events (ischemic stroke, myocardial infarction, and ischemic vascular death). And the secondary outcomes will include risk of ischemic stroke, intracranial hemorrhage, and major hemorrhage, and the composite of the primary outcome and major hemorrhage

2008 – 2012

**Title:** Albumin in Acute Ischemic Stroke Trial (ALIAS)

**Funding Agency:** NINDS

**Principal Investigator:** Myron D. Ginsberg, MD.

**Local PI at the University of Minnesota:** Mustapha A Ezzeddine, MD

**Role:** Coinvestigator at the University of Minnesota site

**Aim:** This is a phase III trial aiming to determine the efficacy of human albumin infusion in improving functional outcome of acute stroke. Human serum albumin, at 2 g/kg, administered over 2 hours by intravenous infusion will be compared to placebo isovolumic normal saline among patients with acute ischemic stroke. All patients will have a baseline stroke severity measured as NIH Stroke scale score > 5. Patients will be treated according to the best standard of care including concurrent treatment with intravenous or intra-arterial thrombolysis where appropriate. Outcomes will be determined at 3 months. The primary hypothesis is that, using the composite outcome of a modified Rankin score 0-1 or NIH stroke scale score 0-1 at 3 months, the proportion of patients with improved outcomes will be 10% or greater in the active treatment group.

- 2005 –2008 **Title:** Antihypertensive Treatment in Acute Cerebral Hemorrhage (ATACH)  
**Funding Agency:** NINDS  
**Principal Investigator:** Adnan I. Qureshi, MD  
**Role:** Study Coordinator  
**Aim:** The primary objective of the study is to determine the tolerability and safety of three escalating levels of antihypertensive treatment goals for acute hypertension in subjects with supratentorial intracerebral hemorrhage (ICH). The trial will recruit a maximum of 60 subjects (20 for each treatment level) with ICH who meet the inclusion criteria. The primary outcome is the tolerability of the treatment as measured by successfully achieving and maintaining the specified systolic blood pressure goals. The primary safety outcome is the rate of neurological deterioration during the 18-24 hours of antihypertensive treatment. The secondary safety outcome is the rate of serious adverse events related to nicardipine infusion.
- 2005 –2007 **Title:** Stroke among Hispanics and African Americans in Regional Populations (SHARP) study.  
**Funding Agency:** Health Care Foundation of New Jersey and Foundation of UMDNJ.  
**Principal Investigator:** Adnan I. Qureshi, MD  
**Role:** Coinvestigator  
**Aim:** The primary objective of this study was to define the incidence, disability, and death associated with stroke in the Newark metropolitan area among different minority groups. Newark's metropolitan area population is not only the largest in the state but also one of the most diverse. Newark has the largest African-American and Hispanic populations in New Jersey. Therefore, it represents an ideal site to develop a successful model for prevention and management of stroke among minority groups that can be applied nationwide. A cross-sectional hospital based design was used to study all new and recurrent strokes that occurred in 2000 within the geographical confines of the Newark metropolitan area.
- 2005 –2007 **Title:** Safety and efficacy of the hypertonic saline resuscitation in acute spinal cord injury  
**Funding Agency:** Armed Forces spinal cord injury program  
**Principal Investigator:** Adnan I. Qureshi, MD  
**Role:** Coinvestigator  
**Aim:** The goal of this study is to provide safety data for use of hypertonic saline in patients with spinal cord injury.
- 2005 –2007 **Title:** Endovascular Patients Registry  
**Sponsor:** Zeenat Qureshi Stroke Research Center  
**Principal Investigator:** Adnan I. Qureshi, MD  
**Role:** Project Manager  
**Aim:** Create comprehensive database for all endovascular patients at UMDNJ since the foundation of Stroke Service in 2003.

- 2004 - 2005 **Title:** Updating Stroke Service.  
**Role:** Head of research team.  
**Support:** Ain Shams University Specialized Hospital (ASUSH)  
**Aim:** The aim of this project was to review the most recent advances of acute stroke diagnosis and management, current practices by Egyptian neurologists and market availability of related medications and to update the ASUSH Stroke Service accordingly.  
**Outcome:**
1. **Flow Chart for Management of Brain Edema due to Acute Ischemic Stroke.** ASUSH guidelines used in Stroke and Neurocritical units since December 2004
  2. **Stroke Sheet.** The formal Inpatient Stroke Sheet for Ain Shams University Specialize Hospital (ASUSH) since June, 2005.
  3. **“GUIDELINES FOR ACUTE STROKE MANAGEMENT. First Edition. Ain Shams University Specialized Hospital (ASUSH), September 2005, Cairo, Egypt”** A handbook for residents and fellows that was also used as a reference for internal audit.
- 2004 **Title:** Guidelines for Management of Status Epilepticus.  
**Role:** Member of research team.  
**Support:** Ain Shams University Specialized Hospital (ASUSH)  
**Aim:** The aim of this project was to review the most recent advances of diagnosis and management of status epilepticus, current practices by Egyptian neurologists and market availability of related medications and to update the ASUSH Neurology/Neurocritical Care Service accordingly.  
**Outcome:**  
**Flow Chart for Management of Status Epilepticus**  
ASUSH guidelines used in Neurology and Neurocritical units since January 2005.
- 2004 **Haitham M. Hussein MD**  
**Efficacy of High Frequency and Low Frequency Repetitive Transcranial Magnetic Stimulation In Major Depression and Post Stroke Depression.**  
Master degree thesis, Supervised by M. A. Etribi, MD, Professor and Chair, Neuropsychiatry Department, Faculty of Medicine, Ain Shams University.

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## EDITORIAL BOARDS AND JOURNAL REVIEWING

- 2015-current Reviewer, *Medical Science Monitor*  
2015-current Reviewer, *European Journal of Neurology*  
2014-current Editorial Board Member, *Neurology Clinical Practice*  
2013-current Reviewer, *Residents and Fellows Section, Neurology*  
2012-current Reviewer, *Case Reports in Neurology*  
2010-current Editor, *Residents and Fellows Section, Journal of Neuroimaging*  
2009-current Reviewer, *American Journal of Neuroradiology*  
2008-current Reviewer, *Journal of Vascular and Interventional Neurology*

**BOOK CONTRIBUTION**

- 2012 Point-of-care tests for neuroendovascular procedures: ACT. Book Title: Complications of Neuroendovascular Procedures and Bailout Techniques. Editors: Rakesh Khatri, Gustavo Rodriguez, Jean Raymond and Adnan I Qureshi. Cambridge University Press. In press.
- 2011 Minnesota Cerebrovascular Service Gold Standards. 2010 and 2011 Editions. University of Minnesota. Minneapolis, MN.
- 2010 Not “X”-actly a simple tremor: Fragile X-Associated Tremor Ataxia Syndrome (FXTAS). Book Title: Movement Disorders: 101 Challenging Cases. Department of Neurosurgery. Cleveland Clinic. In press.
- 2009 Complications of antiplatelet and anticoagulant therapy. Textbook of Interventional Neurology. Editor: Adnan I Qureshi, MD. Cambridge University Press. New York, NY. In press.
- 2009 Atlas of Interventional Neurology. Editor: Adnan I Qureshi, MD. DemosMedical. New York, NY. 2010.
- 2008 Endovascular clinical trials in stroke. Textbook of Interventional Neurology. Editor: Adnan I Qureshi, MD. Cambridge University Press. New York, NY. 2009.

**LECTURES**

- July 2017 **Grand Rounds: A New Model for Prehospital Triage of Acute Stroke**  
Department of Internal Medicine, Regions Hospital, St Paul, MN.
- June 2017 **Invited Speaker: Crossfire Debate: Closest Hospital versus Straight to Comprehensive Stroke Center.**  
Minnesota Department of Health Cardiac and Stroke Emergencies Conference, Bloomington, MN. Sponsored by MDH and local AHA for MN and ND.
- October 2016 **Invited Speaker: The Role of EMS in acute stroke care.**  
South Dakota EMS Annual Conference, Brookings, SD.
- October 2016 **Invited Speaker: Endovascular Treatment of Stroke**  
Regions Hospital Emergency Medicine and Trauma Conference, Bloomington, MN.
- September 2016 **Invited Speaker: All You Need to Know About Stroke**  
Abstracting Stroke Data That Will Work For You, AHA Workshop, St Paul, MN.
- June 2016 **Grand Rounds: Calcification as a Surrogate Marker for Atherosclerosis. Lessons from Coronary Circulation and Potential Applications in the Intracranial Circulation**  
Department of Internal Medicine, Regions Hospital, St Paul, MN.
- March 2015 **Invited Speaker: Acute Stroke Care Update**  
Acute Stroke and Telestroke Update. March 4, Still Water, MN.
- December 2014 **Invited Speaker: Acute Stroke Care Update**  
HealthPartners Cardiovascular Conference. Dec 12, St Paul, MN.
- March 2014 **Invited Speaker: ICH update.**  
Conference: Stroke – Navigating the Path. June 26-27, Austin, TX

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March 2014	<b>Grand Rounds: Calcification as a Surrogate Marker for Atherosclerosis. Lessons from Coronary Circulation and Potential Applications in the Intracranial Circulation</b> Department of Neurology, Baylor College of Medicine, Houston, TX.
December 2013	<b>Internal Medicine Noon Conference: Update on Management of Acute Ischemic Stroke</b> Michael E Debakey VA Medical Center, Houston, TX.
December 2013	<b>Internal Medicine Noon Conference: Update on Management of Acute Ischemic Stroke</b> Ben Taub Hospital, Houston, TX.
December 2013	<b>Internal Medicine Noon Conference: Update on Management of Acute Ischemic Stroke</b> St Luke's Medical Center, Houston, TX.
July 2013	<b>Management of Acute Ischemic Stroke</b> Neurology Residents lecture series. Department of Neurology, Baylor College of Medicine, Houston, TX.
July 2013	<b>Management of Acute Ischemic Stroke – case discussions</b> Neurology Residents lecture series. Department of Neurology, Baylor College of Medicine, Houston, TX.
May 2013	<b>Grand Rounds: Update on Management of Acute Ischemic Stroke</b> Department of Emergency Medicine, Baylor College of Medicine, Houston, TX.
December 2012	<b>Internal Medicine Noon Conference: Update on Management of Acute Ischemic Stroke</b> Michael E Debakey VA Medical Center, Houston, TX.
March 2012	<b>Grand Rounds “Subarachnoid Hemorrhage Update”</b> Department of Neurology, Texas Tech Medical School, El Paso, TX.
July 2011	<b>Grand Rounds “Cure vs. Care”</b> Department of Neurology, University of Minnesota, Minneapolis, MN.

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## TEACHING

2017	<b>Faculty, MKSAP 17 Update 3 Neurology</b> Role: Audio recording of critique on multiple choice questions and answers
2014	<b>Instructor, Lumbar Puncture simulation course, Baylor College of Medicine</b> Role: teach lumbar puncture technique to medical students, supervise them while they practice on simulation dolls
2013-current	<b>Assistant Director, Neurology Clerkship, Baylor College of Medicine</b> Role: organize and participate in the didactics of the medical students rotating through neurology clerkship.

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June 2011	<b>Author – How to run stroke codes</b> A document describing the details of running a stroke code and allocating specific tasks to all members of neurology team expected to participate in stroke codes.
June 2011	<b>Author – Stroke code certification for neurology residents</b> Standardized assessment tool to evaluate competency in running stroke codes for the neurology residents at the University of Minnesota.
2011-2010	<b>Organizer/Lecturer – Scientific Basis of Neurology Lecture series</b> This is the didactics for the neurology residents, University of Minnesota
July 2010	<b>Organizer/Lecturer - PGY2 crash course</b> 10-lecture course preparing PGY1 residents for their PGY2 year.
2009-2010	<b>Instructor – Neuropathology Course</b> Year II Period II – University of Minnesota Medical School
July 2009	<b>Organizer/Lecturer - PGY2 crash course</b> 10-lecture course preparing PGY1 residents for their PGY2 year.

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#### HONORS & AWARDS

2017	<b>NINDS Clinical Trials Methodology Course (CTMC)</b> Supported by the National Institute of Neurological Disorders and Stroke of the National Institutes of Health under Award Number R25NS088248
2014	<b>Residents Teaching Award</b> for dedication to teaching the residents Department of neurology, Baylor College of Medicine, Houston, TX
2012	<b>Cecil J. Watson Award</b> for outstanding research achievement by a resident or a fellow in clinical medicine Minnesota Medical Foundation and the Minneapolis Society of Internal Medicine, Minneapolis, MN
2011	<b>John R. Gates Award in Neurology</b> Department of neurology, University of Minnesota, Minneapolis, MN
2010	<b>Richard Foreman Award for Academic Excellence</b> Department of neurology, University of Minnesota, Minneapolis, MN
2009	<b>PGY2 Research Award</b> Department of neurology, University of Minnesota, Minneapolis, MN
2008	<b>Resident Research Award</b> Department of neurology, University of Minnesota, Minneapolis, MN
2006	<b>Five Stars Award for Excellent Patient Care</b> University Hospital, University of Medicine and Dentistry of New Jersey
1993-1999	<b>Partial Scholarship for High Honors</b> Ain Shams University, Faculty of Medicine

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#### LICENSURES/CERTIFICATION

<i>2014-present</i>	Minnesota Medical Board license #58060
<i>2012-present</i>	ABPN Neurology Board Certification

*2014-2016* Wisconsin Medical Board license #63780-20  
*2012-2014* Texas Medical Board license #P3897  
*2002-2006* USMLE Steps 1 in May 2002: score of 87<sup>th</sup> percentile.  
USMLE Step 2 CK in December 2003: score of 85<sup>th</sup> percentile.  
USMLE Step 2 CS in August 2004.  
**ECFMG certified on 10th of December 2004.**  
USMLE Steps 3 in May 2006: score of 86<sup>th</sup> percentile.

## **MEMBERSHIP**

Member, National Arab American Medical Association, 2015-current  
Member, American Society of Neuroimaging, 2013-current  
Member, American Heart Association/American Stroke Association, 2010-current  
Member, American Academy of Neurology, 2008-current  
Member, American Medical Association, 2006-current  
Member, Egyptian Medical Syndicate, 2000-current

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Last update: June 15<sup>th</sup>, 2017