SEATTLE SCIENCE FOUNDATION

SECOND ANNUAL CEREBROVASCULAR & ENDOVASCULAR RESIDENTS & FELLOWS COURSE

October 21-22, 2016
**COURSE DESCRIPTION**

The Second Annual Cerebrovascular and Endovascular Residents and Fellows Course will cover the latest advances in the diagnosis and treatment of complex cerebrovascular disorders. The focus will be on the treatment of intracranial aneurysms and will cover both open and endovascular techniques. Didactic sessions will be supplemented with hands-on practical skills in the Seattle Science Foundation’s bioskills lab. Residents will have the opportunity to use cutting-edge technology.

Skull based approaches, aneurysm surgery techniques, and skills for cerebral bypass surgery will be taught with anatomical specimens and state of the art equipment including 3D microscopic dissection.

**INTENDED AUDIENCE**

This course is intended for neurosurgical residents and fellows.

**REGISTRATION INFORMATION**

The registration fee is waived as this workshop is being supported by educational grants from industry. For out-of-town attendees, two nights of shared hotel accommodation (room & tax only) for Thursday and Friday evening will be covered. We will take care of booking the rooms. In addition, the course will cover up to $500 towards the cost of coach-class airfare.

**LOCATION**

The Seattle Science Foundation is located at 550 17th Avenue, James Tower, Suite 600 in Seattle, Washington. Parking is available in the garage on 16th Avenue between Cherry and Jefferson at a maximum fee of $16.50. From I-5 (northbound and southbound), take the James Street exit. Travel east on James Street. James will become Cherry Street. Turn right (south) on 16th Avenue. Turn right into the main garage entrance.
AGENDA

Friday, October 21, 2016
Endovascular Surgery

7 a.m.  Arrival & Breakfast
         (change into scrubs)

7:30 a.m.  Introduction & Welcome
           Stephen Monteith, M.D., Johnny Delashaw, M.D., Cameron G.
           McDougall, M.D.

7:40 a.m.  Angiographic Anatomy Review
           Yince Loh, M.D.

8:15 a.m.  Aneurysms: Simple and Advanced Coiling
           Techniques
           Pascal Jabbour, M.D.

8:50 a.m.  Aneurysms: Flow Diversion
           Stephen Monteith, M.D.

9:25 a.m.  Endovascular Treatment of AVMs
           Adnan Siddiqui, M.D., PhD

10 a.m.  Endovascular Lab 1
         (50 minute rotations – 3 rotations)
         All Faculty

12:30 p.m.  Case Discussions
            Working Lunch
            All Faculty

1 p.m.  Carotid Stenting vs. CEA
        Akshal Patel, M.D.

1:30 p.m.  Stroke Interventions
           Yince Loh, M.D.

2 p.m.  Spinal and Cranial Fistulae
        Cameron G. McDougall, M.D.

2:30 p.m.  Aneurysms: Salvage Treatment of
           Complex Endovascular Cases
           Michael T. Lawton, M.D.

3 p.m.  Endovascular vs. Open Surgery Case
        Discussion
        All Faculty

3:30 p.m.  Endovascular Lab 2: Continuation of
           Endovascular Lab 1
           (40 minute – 3 rotations)

5:30 p.m.  Adjourn

7 p.m.  Course Dinner
        Home of Course Co-Chair
        Johnny Delashaw, M.D.

Saturday, October 22, 2016
Open Surgery

7:30 a.m.  Breakfast

8 a.m.  Techniques for Performing a Cerebral Bypass
        David Newell, M.D.

8:40 a.m.  Orbitozygomatic Craniotomy & Approach
           to Circle of Willis, Sylvian Fissure, & Basilar Tip
           Johnny Delashaw, M.D.

9:20 a.m.  Nuances in Aneurysm Clip Management
           Michael T. Lawton, M.D.

10 a.m.  Skull Based Approaches BioSkills Lab
         All Faculty
         • Orbitozygomatic Craniotomy
         • Splitting of Sylvian Fissure
         • Anterior and Posterior Clinoid Resection
         • Dissection of Circle of Willis Including
           Basilar Tip

12:30 p.m.  Group 1: Endovascular vs. Open Surgery
            Case Discussion
            Group 2: BioSkills Lab – Hands-on Workshop for Cerebral Bypass
            Working Lunch
            All Faculty

1:30 p.m.  Group 1: BioSkills Lab – Hands-on Workshop for Cerebral Bypass
           Group 2: Endovascular vs. Open Surgery Case Discussion
           All Faculty

2:30 p.m.  Far Lateral Craniotomy For PICA
           Aneurysm, Vertebral Basilar Junction Surgery Techniques For AVM Surgery
           Johnny Delashaw, M.D.

3:15 p.m.  Hands-On: Far Lateral Craniotomy for
           PICA and Vertebral Basilar Junction
           All Faculty

5:00pm  Adjourn

FOR FURTHER INFORMATION
Phone:  (206) 732-6500
Fax:  (206) 732-6599
E-mail:  info@seattlesciencefoundation.org
Web:  www.seattlesciencefoundation.org
**Featured Faculty**

**Johnny Delashaw, M.D.**
Course Co-Chairman
Chief, Neurosurgery
Swedish Neuroscience Institute
Seattle, Washington

**Stephan Monteith, M.D.**
Course Co-Chairman
Cerebrovascular Neurosurgery
Swedish Neuroscience Institute
Seattle, Washington

**Pascal Jabbour, M.D.**
Associate Professor, Neurosurgery
Thomas Jefferson University
Philadelphia, Pennsylvania

**David W. Newell, M.D.**
Cerebrovascular Neurosurgery
Swedish Neuroscience Institute
Seattle, Washington

**Michael T. Lawton, M.D.**
Chief, Vascular Neurosurgery
University of California San Francisco
San Francisco, California

**Akshal Patel, M.D.**
Neurosurgeon
Swedish Neuroscience Institute
Seattle, Washington

**Yince Loh, M.D.**
Interventional Neuroradiologist & Neurointensivist
Swedish Neuroscience Institute
Seattle, Washington

**Adnan Sidiqqui, M.D., Ph.D.**
Vice-Chairman & Professor of Neurosurgery
University at Buffalo Neurosurgery
Buffalo, New York

**Cameron G. McDougall, M.D.**
Course Co-Chairman
Medical Director, Endovascular Neurosurgery and Stroke Program
Barrow Neurological Institute
Phoenix, Arizona
Dr. Adnan Siddiqui, MD, PhD, is a Professor of Neurosurgery and Radiology who joined UBNS in January 2007. He completed fellowship training in Interventional Neuroradiology, Cerebrovascular Surgery and Neurocritical Care from Thomas Jefferson University in Philadelphia. He completed his Neurosurgical residency at Upstate Medical University and received his PhD in Neuroscience from the University of Rochester and medical degree from Aga Khan University, Pakistan. Though Dr. Siddiqui is well trained in all general neurosurgical procedures, including brain tumor, spine and peripheral nerve surgery, because of specialized training, he has gravitated toward vascular diseases involving the brain and spinal cord.

Dr. Siddiqui has special interest and expertise in the performance of complementary microsurgical, radiosurgical and endovascular techniques for the comprehensive management of cerebrovascular conditions. This spectrum of disease includes aneurysms and arteriovenous malformations, as well as dural, cavernous and spinal fistulae. He has special interests in acute stroke management with intra-arterial thrombolysis, as well as endovascular and microsurgical management of extracranial and intracranial vascular occlusive disease. Other clinical interests include endovascular management of intractable epistaxis; preoperative head, neck, and brain tumor embolization; resection of skull base tumors; endoscopic surgery for aneurysms and pituitary tumors; third ventriculostomy; and arachnoid cysts.

The Neuroendovascular Research and Stroke Service is led by Dr. Siddiqui, who is proud to lead UB's Department of Neurosurgery, which was ranked 7th in academic impact in North America by the Journal of Neurosurgery. He serves as a reviewer for Stroke, Neurosurgery, Journal of Neurosurgery and Journal of Neurointerventional Surgery as well as many others. He has over 100 peer reviewed publications, more than 50 chapters and has been invited to more than 200 national and international lectureships.

Dr. Siddiqui is currently a member of the Executive Council of the Joint Section of Cerebrovascular Surgery of the American Association of Neurological Surgery (AANS) and is Chairman of the Nominating Committee. He has served on Endovascular Task Force of AANS and been on multiple scientific committees on AANS, Society of Neurointerventional Surgery and the Congress of Neurological Surgeons.

Dr. Siddiqui is married and has three children. He is a proud Buffalonian who is challenged and invigorated by taking care of neurosurgical patients and their families. He is grateful for the opportunity to work at the Gates Vascular Institute, a facility with some of the world's best technologies, where he and other experts can interact with leading researchers in order to make scientific advancements at the Toshiba Stroke & Vascular Research Center of which he is the Director.
REGISTRATION FORM

If using the registration form, please mail or fax it to:
Seattle Science Foundation
550 17th Avenue, James Tower, Suite 600
Seattle, WA 98122
Fax: (206) 732-6599

If you have special needs, please contact us at (206) 732-6500.

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FEATURED COURSES 2016

FEBRUARY 27
Second Annual Advanced Lateral Approaches to the Spine

MARCH 10-12
Sixth Annual Seattle Otology & Advanced Rhinology Course

MARCH 18
Innovative Approaches to Brain Tumor Management

MARCH 19-20
Seventh Annual Brain Anatomy Fellows Course

APRIL 2
6th Annual Multimodal Treatment of Spinal Tumors

MAY 20-21
Second Annual Spine Trauma Summit

JUNE 25
Fourth Annual ONE Spine Masters Course

JULY 16
First Annual Spinal Deformity Course

JULY 23
Second Annual Minimally Invasive Spine Course

AUGUST 12-14
First Annual Minimally Invasive Spine Course

OCTOBER 1-2
Third Annual Lateral Skull Base Anatomy & Surgical Approaches

OCTOBER 21-22
Second Annual Cerebrovascular & Endovascular Residents and Fellows Course

NOVEMBER 19
Third Annual Interventional Pain Management Fellows Course

DECEMBER 1, 2016
First Annual Image Guidance Course