

*The*  
**Center for  
Endovascular  
Therapy**

at the

University of Pittsburgh



## Dear Colleague:

**W**e are writing to inform you about the activity in the Departments of Neurosurgery and Neurology at the University of Pittsburgh Medical Center, UPMC Presbyterian regarding neuroendovascular therapy.

Neurointerventional procedures are currently staffed by a board certified neurosurgeon who is fellowship trained in neurointerventional techniques (Michael Horowitz, MD). While UPMC Presbyterian has always had an active stroke service run jointly by the Departments of Neurology and Neurosurgery we have added a board certified stroke Neurologist (Tudor Jovin, MD) with fellowship training in both neuroendovascular techniques and stroke to our service to help continue to provide the latest management for acute and chronic stroke patients.

Services provided by the endovascular center include aneurysm, arteriovenous malformation, tumor, and dural and cavernous sinus fistula embolization. We also provide treatment of refractory epistaxis, sclerotherapy, temporary balloon occlusion testing with blood flow evaluation, stroke thrombolysis and thrombectomy, dural sinus thrombolysis and thrombectomy, petrosal sinus sampling, carotid, vertebral artery, subclavian artery and intracranial arterial stenting, vessel sacrifice, Wada testing, vertebroplasty (methylmethacrylate vertebral body injections), and routine angiography.

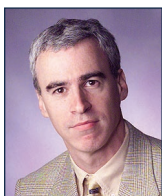
As a productive clinical and academic institution, we currently perform approximately 950 catheter based procedures per year including 80-110 coil aneurysm embolizations, 25-30 AVM embolizations, 20-25 stroke thrombolyses, 15-25 cervical carotid stentings for high risk endarterectomy patients, 25-30 tumor embolizations, 5-10 intracranial arterial stentings, and 10-20 balloon test occlusions. A total of 220 to 250 neuro-interventional procedures and 700-750 diagnostic cerebral angiograms are performed per year.

Academically, the endovascular center publishes more than 10 articles/year in peer reviewed journals and currently has a monograph on endovascular therapy in press. A five-year National Institutes of Health (NIH) study has just begun looking at myocardial dysfunction during subarachnoid hemorrhage. We are involved in many industry supported trials for new devices and are helping run the nation's only randomized study comparing carotid stenting with and without distal protection to determine whether or not distal protection is actually warranted.

If you are interested in having your patient seen in consultation or would simply like to discuss a case please feel free to contact us at (412) 647-7768, (412) 647-7000 or (412) 647-3920 and ask for Kimberly Lee, RN, Michael Horowitz, MD, or Tudor Jovin, MD.

If you or your institution would be interested in having us speak at surgical, medical, or emergency medical grand rounds about new advances in the field of neurointerventional therapy and how these advances might impact upon and assist you in your practice please contact us at the above numbers as well. You may also visit us on our website at [www.neurosurgery.pitt.edu/endovascular](http://www.neurosurgery.pitt.edu/endovascular).

Sincerely,



***Michael Horowitz, MD***  
*Associate Professor*  
Neurological Surgery and Radiology  
University of Pittsburgh  
*Director*  
Center for Endovascular Therapy

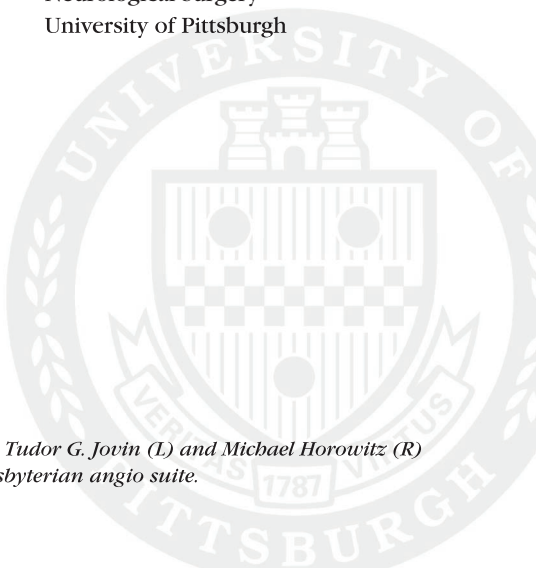


***Tudor G. Jovin, MD***  
*Assistant Professor*  
Neurology  
University of Pittsburgh



***Kimberly Lee, RN, BSN***  
*Neuroendovascular Coordinator*  
Neurological Surgery  
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Cover photo: Drs. Tudor G. Jovin (L) and Michael Horowitz (R) in the UPMC Presbyterian angio suite.



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