



UNIVERSITY OF ILLINOIS  
Hospital & Health Sciences System  
Neurosurgery

# The Bern-Chicago *Cerebral Revascularization & Endovascular Course*

**October 3 – 5, 2012**



Department of Neurosurgery  
UNIVERSITY OF ILLINOIS AT CHICAGO



Dear Colleagues,

We are pleased to announce the 1st **Bern-Chicago Cerebral Revascularization & Endovascular Course**, which follows the format of the highly successful European Cerebral Revascularization and Endovascular Stroke Treatment Course offered in Bern, Switzerland for the last seven years. This hands-on training course will offer intensive practical experience, complemented by focused presentations on the latest development in both surgical and endovascular cerebral revascularization and interventions.

The course will include options for hands-on training in both microsurgical and endovascular procedures. Course registrants will be able to choose between participation in a combined 3-day course featuring both microsurgical and endovascular training (in-vitro and in-vivo) or the option of a 2-day course dedicated solely to either microsurgical revascularization, or to endovascular techniques. There will be abundant opportunities to practice microsurgical vascular anastomosis in laboratory and animal models, and to perform endovascular interventions including coiling, liquid embolic agents, stents and mechanical thrombectomy using both simulators and large animal models. We have an experienced group of international faculty who will share their expertise and provide practical tips and tricks from their personal clinical experience. Participants are encouraged to bring their own challenging cases for discussion, as there will be opportunity for input and small group discussion throughout the training sessions.

This course will be useful both for the early career individual looking to gain more hands-on skills, and for the more advanced practitioner looking to hone or gain skills with newer and emerging therapies. Space for the course is limited, so we encourage you to register early for this unique intensive hands-on experience.

We look forward to seeing you in Chicago!

*Sepideh Amin-Hanjani, MD*  
*Ali Alaraj, MD*

*Fady T. Charbel, MD*  
*Jan Gralla, MD*

*Victor Aletich, MD*  
*Michael Reinert, MD*

## **Organizing Committee**

**Sepideh Amin-Hanjani, MD**, University of Illinois at Chicago  
**Victor A. Aletich, MD**, University of Illinois at Chicago  
**Ali Alaraj, MD**, University of Illinois at Chicago  
**Fady T. Charbel, MD**, University of Illinois at Chicago  
**Jan Gralla, MD**, University of Bern, Switzerland  
**Michael Reinert, MD**, University of Bern, Switzerland

## **Course Faculty**

**Ali Alaraj, MD**, University of Illinois at Chicago, Chicago  
**Victor Aletich, MD**, University of Illinois at Chicago, Chicago  
**Sepideh Amin-Hanjani, MD**, University of Illinois at Chicago, Chicago  
**Nicholas Bambakidis, MD**, Case Western Reserve University School of Medicine, Cleveland  
**Caspar Brekenfeld, MD**, University of Hamberg, Germany  
**Ketan Bulsara, MD**, Yale University School of Medicine, New Haven  
**Fady Charbel, MD**, University of Illinois at Chicago, Chicago  
**Philippe Gailloud, MD**, Johns Hopkins, Baltimore  
**Jan Gralla, MD**, University of Bern, Switzerland  
**Daniel Hänggi, MD**, Heinrich Heine University, Dusseldorf, Germany  
**David Langer, MD**, Hofstra University School of Medicine, New York  
**Leena Kivipeto, MD**, University of Helsinki, Finland  
**J Mocco, MD**, Vanderbilt University Medical Center, Nashville  
**Christopher Moran, MD**, Washington University, St. Louis  
**Jacques Morcos, MD**, University of Miami, Miami  
**Luca Regli, MD**, University Medical Center Utrecht, Netherlands  
**Michael Reinert, MD**, University of Bern, Switzerland  
**Adnan Siddiqui, MD**, University at Buffalo, Buffalo  
**Ali Sultan, MD**, University of Miami, Miami  
**Michael Tymianski, MD**, University of Toronto, Canada  
**Henry Woo, MD**, SUNY Stony Brook, New York  
**Babu Welch, MD**, University of Texas Southwestern Medical Center, Dallas  
**Gregory Zipfel, MD**, Washington University, Saint Louis

# Agenda

## Wednesday, October 3, 2012

(Course start for DUAL participants)

7:00 - 8:00 am	Breakfast/Check-in
8:00 - 8:10	Welcome
8:40 - 9:00	Instructions for suturing exercises
9:00 - 12:00 pm	<u>Microsurgery Hands-On Session 1</u> <ul style="list-style-type: none"><li>• Receipt of micro-instruments, individual microscope stations</li><li>• Microsuture technique using chicken wing and in-vitro training device</li><li>• End-side, end-end, side-side technique – demonstration and practice</li><li>• Individual video/feedback</li></ul>

12:00 - 1:00 pm	Lunch
1:00 - 5:00	<u>Microsurgery Hands-On Session 1</u> <ul style="list-style-type: none"><li>• End-side, end-end, side-side anastomosis in rat model</li><li>• Large vessel anastomosis – rabbit aorta/synthetic vein</li></ul>
5:00 pm	Completion

## Thursday, October 4, 2012

(Course start for MICROSURGERY and ENDOVASCULAR participants)

(Course continues for DUAL participants)

7:00 - 8:00am	Breakfast/Check-in
8:00 - 8:10	Welcome/Introduction
8:10 - 8:35	Cerebrovascular hemodynamics and brain metabolism
8:35 - 9:00	Bypass for ischemia – atherosclerosis and moyamoya
9:00 - 9:25	Intracranial stenosis
9:25 - 9:50	Carotid stenosis – medical management, CEA, stent
9:50 - 10:20	Break
10:20 - 10:50	Acute stroke interventions
10:50 - 11:20	Aneurysm – surgical/bypass
11:20 - 11:50	Aneurysm – endovascular/flow diverters
11:50 - 12:00	Discussion
12:00 - 1:00pm	Lunch

### MICROSURGERY PARTICIPANTS

1:00 -1:30pm	Bypass Concepts - Flow replacement vs. Flow augmentation
1:30 - 1:50	Instructions for suturing exercises
1:50 - 5:00pm	<u>Microsurgery Hands-On Session 1</u> <ul style="list-style-type: none"><li>• Receipt of micro-instruments, individual microscope stations</li><li>• Microsuture technique using chicken wing and in-vitro training device</li></ul>

- End-side, end-end, side-side technique – demonstration and practice
- Individual video/feedback

### ENDOASCULAR & DUAL PARTICIPANTS

1:00 - 1:30	Introduction to Hands-On Session
1:30 - 5:00pm	<u>Endovascular Hands-On Sessions 1*</u> <ul style="list-style-type: none"><li>• In vivo training: pig model</li><li>• Mechanical thrombectomy</li></ul>
5:00pm	Completion
7:30pm	<u>SOCIAL PROGRAM</u> : Thurs. Oct. 4th Evening Dinner Event

## Friday, October 5, 2012

7:00- 8:00am	Breakfast/Check-in
	<u>MICROSURGERY PARTICIPANTS</u>
8:00 - 8:15am	STA-MCA bypass – step by step nuances
8:15 - 8:30	Vein/radial artery graft – step by step nuances
8:30 - 9:00	Case discussions
9:00 - 12:00pm	<u>Microsurgery Hands-On Session II</u> <ul style="list-style-type: none"><li>• End-side in rat model – carotid, femoral artery</li><li>• Large vessel anastomosis – rabbit aorta/synthetic vein</li></ul>

### ENDOASCULAR & DUAL PARTICIPANTS

8:00 - 8:30am	Introduction to Hands-On Session
8:30 -12:00	<u>Endovascular Hands-On Sessions II*</u> <ul style="list-style-type: none"><li>• Training in Aneurysms, stents, coils</li></ul>

12:00 - 1:00pm	Lunch
	<u>MICROSURGERY PARTICIPANTS</u>
1:00 - 1:15pm	Donors, harvesting, positioning
1:15 - 1:30	ELANA
1:30 - 1:45	IC-IC bypass
1:45 - 5:00pm	<u>Microsurgery Hands-On Session III</u> <ul style="list-style-type: none"><li>• End-end, Side-side in rat model</li><li>• ELANA training device</li><li>• Large vessel anastomosis – rabbit aorta/synthetic vein</li></ul>

### ENDOASCULAR & DUAL PARTICIPANTS

1:00 - 1:30	Introduction to Hands-On Session
1:30 - 5:00pm	<u>Endovascular Hands-On Sessions III*</u> <ul style="list-style-type: none"><li>• Glue course, onyx</li></ul>

5:00pm	Completion
* Sessions will run concurrently and participants will rotate through each session over the 2 day course.	

# The Bern-Chicago Cerebral Revascularization & Endovascular Course October 3 – 5, 2012

## PROGRAM

- 3 day course: Dual participants  
(Microsurgery Oct. 3,  
Endovascular Oct. 4 - Oct. 5)
- 2 day course: Microsurgery participants  
(Microsurgery Oct. 4 - Oct. 5)  
Endovascular participants  
(Endovascular Oct. 4 - Oct. 5)

## EDUCATIONAL OBJECTIVES

1. Discuss revascularization options for stroke
2. Describe indications and techniques for surgical cerebral revascularization
3. Acquire hands-on experience with microvascular anastomosis
4. Discuss endovascular techniques for acute stroke
5. Acquire hands on experience (simulators, flow model, living animals) with endovascular revascularization techniques for acute stroke
6. Acquire hands on experience (simulators, flow model, living animals) with liquid embolic agents, and adjuvant techniques for aneurysm coiling.

## WHO SHOULD ATTEND

This course is suitable for neurosurgeons, neuroradiologists, and neurologists.

### **Hotel Recommendations:**

The course is being held at the Neuropsychiatric Institute, Department of Neurosurgery, University of Illinois at Chicago, located at 912 S. Wood St., Chicago, IL, 60612.

*Accommodations may be booked at the following hotels:*

**Crowne Plaza Chicago Metro**  
733 West Madison Street  
Chicago, IL  
(312) 829-5000

*To receive a discount rate of \$154.00 plus tax, please mention that you are a UIC/University of Illinois guest. Subject to availability.*

**Chicago Marriott Medical Center**  
625 South Ashland Avenue at Harrison St.  
Chicago, IL  
(312) 491-1234

*To receive a discount rate of \$189.00 plus tax, please mention that you are a UIC/University of Illinois guest. Subject to availability.*

## REGISTRATION INFO

Mail: Bern-Chicago Course  
333 South State Street, Suite V-324  
Lake Oswego, OR 97034

Fax: **404-795-0711**

Call: **503-635-4761** OR toll free **866-924-7929**

Email: [registrations@wellassembled.com](mailto:registrations@wellassembled.com)

Register online: **[www.bern-chicagocourse.com](http://www.bern-chicagocourse.com)**

Name MD, RN, PA, other \_\_\_\_\_ (circle one)

Home Address \_\_\_\_\_

City State (Province) Zip Code (Postal)

Preferred Phone Number \_\_\_\_\_

E-mail Address \_\_\_\_\_

Enclosed is my check for \$ \_\_\_\_\_ USD.  
Make checks Payable to "Clinical Decision Making"  
and send to 333 South State Street, Suite V-324,  
Lake Oswego, OR 97034

Please charge \$ \_\_\_\_\_ USD to my:  
 VISA  MasterCard  AMEX

Card # \_\_\_\_\_

Expiration date \_\_\_\_\_

Signature \_\_\_\_\_

The registration fee includes course documentation, all laboratory materials, breakfast/lunch/refreshments, and the Evening Dinner Event.

### **Registration Fees:**

- 3-day Microsurgery/Endovascular Dual Course **\$1275**
- 2-day Microsurgery Only Course **\$850**
- 2-day Endovascular Only Course **\$850**
- 3-day Microsurgery/Endovascular Dual Course  
FELLOW/ RESIDENT **\$900**
- 2-day Microsurgery Only Course  
FELLOW/RESIDENT **\$600**
- 2-day Endovascular Only Course  
FELLOW/RESIDENT **\$600**

Fellow/Resident registrations require a letter from the fellowship/residency director to confirm status as a fellow or resident.

Plan to Attend Social Program (Dinner Event)  
 Yes  No

Special Assistance Needs: \_\_\_\_\_

How did you hear about this conference?

Mail  Email  Word of Mouth  Internet

## **CME**

### **Accreditation Statement**

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Institute for the Advancement of Human Behavior (IAHB) and Well Assembled. The IAHB is accredited by the ACCME to provide continuing medical education for physicians.

### **Credit Designation Statement**

The IAHB designates this live activity for a maximum of 23.5 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



Neuropsychiatric Institute, Department of  
Neurosurgery, University of Illinois at Chicago



**[www.bern-chicagocourse.com](http://www.bern-chicagocourse.com)**

*Cancellations of attendance must be carried out in writing. Upon withdrawal, registration fees are refundable at 100% up to 4 weeks prior to the course, and at 50% up to 2 weeks prior to the course; thereafter cancellations will not be refunded.*

*We reserve the right to cancel this activity, if necessary; in such as event registration fees will be reimbursed in full.*

Meeting assembled by:

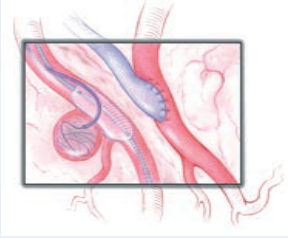


The Bern-Chicago

***Cerebral Revascularization and Endovascular Course***

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Lake Oswego, OR 97034



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