

**Mahidol University**  
THAILAND

**Tufts University**  
USA

**University of Toronto**  
CANADA

# Planet Course 2012 Brazil

## **Pierre LAsjaunias Neurovascular Educational Team Course**

- **1<sup>st</sup> SESSION** April 1<sup>st</sup> - 6<sup>th</sup>, 2012
- **2<sup>nd</sup> SESSION** October 28<sup>th</sup> to November 2<sup>nd</sup>, 2012

### **Directors:**

In Sup CHOI, Karel terBRUGGE and Sirintara PONGPECH

### **International Faculties:**

In Sup Choi, Karel ter Brugge, S.irintara Pongpech, Georges Rodesch, Philippe Mercier, Alan Taylor

### **Local Director:**

Ronie Leo Piske

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## **1<sup>st</sup> Session - April 1<sup>st</sup> - 6<sup>th</sup>, 2012**

Will cover vascular anatomy of the maxillo-facial, skull base and central nervous system vasculature. Other topics will include skull base tumors, dural arteriovenous malformations and traumatic lesions of the head and neck vasculature. Further topics will be spinal cord vascular anatomy, vascular tumors and malformations as well as vascular malformations of the head and neck region.

## **2<sup>nd</sup> Session - October 28<sup>th</sup> to November 2<sup>nd</sup>, 2012**

Will cover the natural history, imaging and treatment of aneurysms, cerebral arteriovenous malformations as well as arterial and venous ischemia both in adults and in children.

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## **Hotel Bourbon Convention - Ibirapuera**

São Paulo - SP - Brazil. - [www.bourbon.com.br](http://www.bourbon.com.br)

- ▶ The official language of the course is English.
- ▶ Candidates can originate from any country, nevertheless, should have a good command of English.
  - ▶ The theoretical and workshop courses are organized in one week seminars (*from Sunday morning till Friday noon*).

This course is designed for Interventional Neuroradiologists, Endovascular Neurosurgeons and Interventional Neurologists (*professionals and or fellows*) as well as allied health professionals.

**GENERAL INFORMATION & REGISTRATION FORMS CAN BE OBTAINED FROM:**

**<http://sites.cepdtoronto.ca/planet/>**

# PLANET Course - Session

## ANATOMY OF THE NEUROVASCULAR SYSTEM - April 1 - 6, 2012 - Brazil

Each presentation will include 25% of time allotted for questions and answers with the audience

### 1<sup>st</sup> DAY April 1, 2012

08:00	08:15	Welcome and introduction - <i>Directors</i>
08:15	08:45	Histology of arteries and veins of the brain - <i>P. Mercier</i>
08:45	09:30	Vasculogenesis, Angiogenesis - <i>G. Rodesch</i>
09:30	10:00	<b>morning break</b>
10:00	12:00	Embryology and Anatomy of Internal Carotid • Segmentation and Embryonic vessels - <i>I. S. Choi</i> • Cavernous sinus surgical anatomy - <i>P. Mercier</i> • Oph. Arteries and orbital supply, angioanatomy - <i>I. S. Choi</i>
12:00	13:00	<b>lunch</b>
13:00	15:00	Vascular Anatomy of cranio-cervical junction • VB junction, hypoglossal, proatlantal - <i>S. Pongpech</i> • PICA - <i>S. Pongpech</i> • Surgical Anatomy - <i>P. Mercier</i>
15:00	15:30	<b>afternoon break</b>
15:30	16:30	Cavernous sinus arterial variations - <i>I. S. Choi</i>
16:30	17:30	Workshop I contents: Circle of willis, Basilar tip, PCA-Arch. A., ECA. Ophthalmica., Cranio-cervical junction Dangerous Anastomosis

### 2<sup>nd</sup> DAY April 2, 2012

08:00	09:45	Ant. Choroidal Limbic circle and PCA • Vascular anatomy - <i>G. Rodesch</i> • Surgical anatomy - <i>P. Mercier</i>
09:45	10:15	<b>morning break</b>
10:15	12:00	ACA-MCA and Anterior perforators • Surgical anatomy - <i>P. Mercier</i> • ACA variations and ACA/MCA territories - <i>I. S. Choi</i>
12:00	13:00	<b>lunch</b>
13:00	15:30	Base of brain, Circle of Willis and Basilar tip • Comparative anatomy and angioanatomy - <i>G. Rodesch</i> • Surgical anatomy - <i>P. Mercier</i>
15:30	16:00	<b>afternoon break</b>
16:00	17:00	Workshop II contents: Intracranial arterial anatomy

### 3<sup>rd</sup> DAY April 3, 2012

08:00	09:30	External Carotid artery • Embryology and its branches - <i>I. S. Choi</i> • Transcranial anastomosis and cranial N. supply - <i>I. S. Choi</i>
09:30	10:00	<b>morning break</b>
10:00	11:00	Cerebral veins • Deep cerebral veins - <i>K. terBrugge</i> • Cortical veins and sinuses - <i>K. terBrugge</i> • DVA and sinus pericranii - <i>K. terBrugge</i>
11:00	12:00	3D Cranial nerve supplies / 3D Veins - <i>P. Mercier</i>
12:00	13:00	<b>lunch</b>
13:00	14:30	workshop III contents: External carotid arterial variations, Deep Veins, Sinuses, DVA

### 4<sup>th</sup> DAY April 4, 2012 - Skull Base Vascular Lesions

08:00	09:00	Classification and Natural history of dural AVMs - <i>K. terBrugge</i>
09:00	09:45	Dural AVMs, trans-arterial treatment - <i>G. Rodesch</i>
09:45	10:30	Dural AVMs, trans-venous treatment - <i>R. Piske</i>
10:30	11:00	<b>morning break</b>
11:00	11:30	Juvenile angiofibromas and facial tumors - <i>R. Piske</i>
11:30	12:10	Paragangliomas and cervical tumors - <i>S. Pongpech</i>
12:10	13:10	<b>lunch</b>
13:10	13:40	Skull base and convexity meningiomas - <i>I. S. Choi</i>
13:40	15:10	Skull base Surgery for AVMs and Tumors - <i>P. Mercier</i>
15:10	15:30	<b>afternoon break</b>
15:30	16:00	Epistaxis - <i>I. S. Choi</i>
16:00	17:00	Workshop IV contents: Skull base: Dural AVM Tumors, JAF, Paraganglioma, Meningioma, Epistaxis

### 5<sup>th</sup> DAY April 5, 2012 - Spine and Spinal Cord

08:00	09:10	Anatomy of arteries and veins of spinal cord, filum and spine - <i>G. Rodesch</i>
09:10	09:40	3D spinal anatomy
09:40	10:00	<b>morning break</b>
10:00	10:45	Classification and Imaging of spinal vascular lesions - <i>S. Pongpech</i>
10:45	11:45	SCAVMs, natural history and angioarchitecture therapeutic management and results - <i>G. Rodesch</i>
11:45	12:45	<b>lunch</b>
12:45	13:30	SDAVFs, natural history and angioarchitecture therapeutic management and results - <i>I. S. Choi</i>
13:30	14:15	ECA and VV AVFs; Paraspinal and epidural lesions - <i>K. terBrugge</i>
14:15	15:15	<b>afternoon break</b>
15:15	15:40	Spinal cord vascular tumors - <i>K. terBrugge</i>
15:40	16:00	Benign and malignant spine tumors - <i>I. S. Choi</i>
16:00	17:00	Workshop V contents: spinal vascular lesions

### 6<sup>th</sup> DAY April 6, 2012

#### - Maxillo-Facial Vascular Malformations

08:00	09:00	Classification of Maxillofacial malformation and False maxillofacial vascular malformation - <i>K. terBrugge</i>
09:00	09:30	Infantile Haemangioma, PHACE syndrome - <i>S. Pongpech</i>
09:30	10:00	Natural history and management of maxillo-facial AVMs - <i>G. Rodesch</i>
10:00	10:30	<b>morning break</b>
10:30	11:00	Venous malformations - <i>R. Piske</i>
11:00	12:00	Workshop VI contents: H & N VM
12:00	13:00	<b>lunch</b>
13:00	14:30	Examination (oral and written)