

# The 30th Annual Meeting of the Japanese Society for Neuroendovascular Therapy

Venue: PACIFICO Yokohama (Yokohama)

Date: 2014.12.4 (Thu) . 6 (Sat)

## **Dec. 4 (Thu)**

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### **Plenary Symposium1 [PS1] 8:45 -10:15**

Embryology, Anatomy and Embolization: Anatomy is a language

Chairpersons : Shigeru Nemoto (Tokyo Medical and Dental University, Japan)

Shigeru Miyachi (Osaka Medical College, Japan)

Kenji Sugiu (Okayama University Graduate School of Medicine, Japan)

PS1-1 Cerebral vessel functional anatomy: from vascular pipes to chromosomes and genes

**Georges Rodesch** (Diagnostic and Therapeutic Neuroradiologie Hopital Foch, France)

【25min, Discussion 5min】

PS1-2 Functional anatomy of the cerebral venous system and Its related pathological processes

**Masaki Komiyama** (Osaka City General Hospital, Osaka, Japan)

【15min ,Discussion 5min】

PS1-3 Functional anatomy and embolization of branches from (the 3rd segment of) the internal maxillary artery

**Hiro Kiyosue** (Oita University Hospital, Japan)

【15min ,Discussion 5min】

PS1-4 Embryology, anatomy and embolization of the spinal cord vessels

**Yasunari Niimi** (St. Luke's International Hospital, Japan) 【15min ,Discussion 5min】

### **Symposium1 [S1] 10:20-11:50**

Embryology, Indication and Strategy of AVM Embolization: How to use Onyx and NBCA properly

Chairpersons : Masayuki Ezura (NHO Sendai Medical Center, Japan)

Yasunari Niimi (St. Luke's International Hospital, Japan)

Tohru Mizutani (Showa University School of Medicine, Japan)

S1-1 Indications, Method and Results of embolization of Brain AVMs with NBCA

**Shushi Kominami** (Chiba-Hokuso Hospital, Japan)

【10min】

S1-2 Strategy of onxy embolization for cerebral arteriovenous malformation

**Akira Ishii** (Faculty of Medicine, Kyoto, Japan)

【10min】

- S1-3 Proper use of Onyx and NBCA in embolization of brain AVMs to achieve both efficacy and safety  
**Tetsu Satow** (National Cerebral and Cardiovascular Center, Japan) 【10min】
- S1-4 Embolization of Intracranial AVM, Comparison of Onyx and NBCA  
**Yasushi Matsumoto** (KOHANAN Hospital, Japan) 【10min】
- S1-5 Strategies and technical tips on Cerebral AVM embolization  
**Naci Kocer** (Istanbul University, Turkey) 【20min】
- 【General discussion 30min】

## **Symposium2 [S2] 13:10-15:00**

TVE and TAE for dAVF: Is TAE with Onyx effective?

Chairpersons : Naoya Kuwayama (University of Toyama, Japan)

Junichiro Satomi (Tokushima University Hospital, Japan)

Hiroyuki Kinouchi (University of Yamanashi, Japan)

- S2-1 Results of transvenous embolization as a first-line treatment option for intracranial dural arteriovenous fistula  
**Shuichi Tanoue** (Oita University Hospital, Japan) 【10min】
- S2-2 Endo-vascular shunt point occlusion for dural arteriovenous fistula treatment  
**Koichi Satoh** (Tokushima Red Cross Hospital, Japan) 【10min】
- S2-3 Trans-arterial embolization for dural arteriovenous fistulas -Usefulness and limitation of liquid embolic materials  
**Kenji Sugiu** (Okayama University Graduate School of Medicine, Japan) 【10min】
- S2-4 Endovascular treatment of intracranial dural arteriovenous fistula using ethylene vinyl alcohol copolymer (ONYX)  
**Ichiro Nakahara** (Stroke Center, Kokura Memorial Hospital, Japan) 【10min】
- S2-5 Curative trans-arterial embolization for dural arteriovenous fistula  
**Shibata Teishiki** (Kobe City Medical Center General Hospital, Japan) 【10min】
- S2-6 Clinical trial of Onyx embolization of intracranial dural arteriovenous fistulas.  
 -Interim report-  
**Naoya Kuwayama** (University of Toyama, Toyama, Japan) 【10min】
- S2-7 Treatment strategy of intracranial dural AVF  
**Wataro Tsuruta** (University of Tsukuba, Japan) 【10min】
- S2-8 Endvascular treatment for dural arteriovenous fistulas  
**Shinya Kohyama** (International Medical Center, Saitama Medical University, Japan) 【10min】

【General discussion 30min】

### **Symposium3 [S3] 15:05-16:00**

#### **Exposure to radiation of Neuroradiologists and Patients**

Chairpersons : Shigeki Kobayashi (Chiba Emergency Medical Center, Japan)

Toshi Abe (Kurume University School of Medicine, Japan)

Akira Matsumura (University of Tsukuba, Japan)

- S3-1 Medical radiation protection today and future  
**Takashi Moritake** (University of Occupational and Environmental Health, Japan) **【10min】**
- S3-2 Dosimetric survey of ocular lens of operator on neuroendovascular therapy  
**Hajime Sakamoto** (Yamanashi University Hospital, Japan) **【10min】**
- S3-3 Patient's exposure dose during neurointerventional procedure : Analysis and utilization method of exposure dose  
**Satoru Kawauchi** (Toranomon Hospital, Japan) **【10min】**
- S3-4 A simplified radiation-dose mapping simulator for the bi-plane FPD digital angiography system  
**Morio Nagahata** (Yamagata City Hospital SAISEIKAN, Japan) **【10min】**  
**【General discussion 15min】**

### **Symposium4 [S4] 13:10-14:10**

#### **Balloon Occlusion Test:**

its determination method and indication of bypass surgery

Chairpersons : Toshiyuki Fujinaka (Osaka University, Japan)

Masahiko Kawanishi (Kagawa University Faculty of Medicine, Japan)

Satoshi Kuroda (University of Toyama, Japan)

- S4-1 Comparison of Balloon Occlusion Test Between Neuroendovascular Therapy Sites  
**Masayuki Ezura** (NHO Sendai Medical Center, Japan) **【10min】**
- S4-2 Angiographic circulation time and cerebral blood flow during balloon test occlusion of the internal carotid artery  
**Kenichi Sato** (Kohnan Hospital, Japan) **【8min】**
- S4-3 Balloon Occlusion Test for Parent Artery Occlusion  
**Noriaki Matsubara** (Nagoya University, Japan) **【8min】**
- S4-4 CT perfusion study with balloon occlusion test  
**Masatoshi Takagaki** (Osaka Medical Center for Cancer and Cardiovascular Diseases, Japan) **【8min】**
- S4-5 Complication of temporary balloon test occlusion of the internal carotid artery  
**Tomohisa Shimizu** (Okayama University, Japan) **【8min】**  
**【General discussion 15min】**

## **Evening Seminar1 [ES1] 17:20-19:30**

Pierre Lasjaunias Memorial Conference

Chairpersons : Makoto Negoro (Ichinomiya Nishi Hospital , Ichinomiya, Japan)

Shushi Kominami (Nippon Medical School, Japan)

Youo Iizuka (Ohashi Medical Center, Toho University, Japan)

ES1-1 As a student of Pierre Lasjaunias

**Srivatanakul Kittipong** (Tokai University, Japan) 【15min, Discussion 5min】

ES1-2 Embryological consideration of dural AVF: The legacy of Pierre Lasjaunias

**Michihiro Tanaka** (Kameda Medical Center, Japan) 【15min, Discussion 5min】

ES1-3 Brain AVM-a symptom rater than a single disease?

**Michael Söderman** (Karolinska University Hospital, Sweden) 【20min, Discussion 5min】

ES1-4 Segmental Arterio-venous shunts: from Cranial to Spinal levels

**Sirintara Pongpech** (Ramathibodi Hospital, Thailand) 【20min, Discussion 5min】

ES1-5 Cerebral Veins:from anomalies to AVMs

**Georges Rodesch** (Hopital Foch,France) 【30min, Discussion 5min】

## **Dec. 5(Fri)**

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### **Plenary Symposium2 [PS2] 8:30-9:50**

Visualization of Neuroendovascular surgery using prospective study and mass data

Chairpersons : Koji Iihara (Kyusyu University, Japan)

Akio Hyodo (Dokkyo Medical University, Japan)

Waro Taki (Koseikai Takeda Hospital, Japan)

PS2-1 Utilization of DPC data for registry of the neuroendovascular therapy-JR-NET/J-ASPECT Study Validation study

**Ataru Nishimura** (University of Tsukuba, Japan) 【15min】

PS2-2 Japanese registry of neuroendovascular therapy

**Nobuyuki Sakai** (Kobe City Medical Center General Hospital, Japan) 【15min】

PS2-3 RESCUE-Japan : retrospective and prospective study

**Shinichi Yoshimura** (Hospital of Hyogo College of Medicine, Japan) 【10min】

PS2-4 PLATELET reactivity monitoring in Neuro-Endovascular Treatment Multicenter Trial (PLANET-M)

**Hiroshi Yamagami** (National Cerebral and Cardiovascular Center, Japan) 【10min】

PS2-5 Neuroendovascular Surgery Database Construction, common surgery database proposal

**Wataro Tsuruta** (University of Tsukuba, Japan) 【10min】

【General discussion 20min】

## **Symposium5 [S5] 10:00-11:30**

Role of academic society, administration and company after pharmaceutical approval

Chairpersons : Koji Ikeda (Tohoku University Hospital, Japan)

Kensuke Ishii (Pharmaceuticals and Medical Devices Agency, Japan)

Nobuyuki Sakai (Kobe City Medical Center General Hospital, Japan)

- S5-1 Role of academic society in the optimization of approved indications of neurointervention devices  
**Shigeki Kobayashi** (Chiba Emergency Medical Center, Japan) 【10min】
- S5-2 Purpose and significance of the post marketing surveillance  
**Tomoji Takigawa** (Pharmaceuticals and Medical Devices Agency, Japan) 【10min】
- S5-3 Prospects for the post marketing surveillance  
**Mami Hou** (Pharmaceuticals and Medical Devices Agency, Japan) 【10min】
- S5-4 Medical insurance application of medical devices  
**Hiroyuki Takao** (Ministry of Health, Labour and Welfare, Japan) 【10min】
- 【Designated remark】  
**Minoru Saito** (Stryker Japan K.K..) 【10min】
- 【Designated remark】  
**Hideshi Obitsu** (TERUMO Corporation) 【10min】
- 【General discussion 30min】

## **Plenary Symposium3 [PS3] 13:30-15:20**

Review of stent assisted coil embolization: Should we use stent, or not ?

Chairpersons : Ichiro Nakahara (Kokura Memorial Hospital, Japan)

Tomoaki Terada (University of Showa Fujigaoka Hospital, Japan)

Izumi Nagata (Koseikai Takeda Hospital, Japan)

- PS3-1 Hemodynamic evaluation of stent-assisted coiling for aneurysms by clinical cases, experiments, and computer simulations  
**Kenichi Kono** (Wakayama Rosai Hospital, Japan) 【10min】
- PS3-2 Result of stent assisted coil embolization for intracranial aneurysms, 286 consecutive experience of our center  
**Chiaki Sakai** (Foundation of Biomedical Research and Innovation, Japan) 【10min】
- PS3-3 What is the true indication of stent-assisted intracranial aneurysm coil embolization?  
**Hidenori Oishi** (Juntendo University School of Medicine, Japan) 【10min】
- PS3-4 Advantage and disadvantage of stent assisted coil embolization  
**Toshihiro Ishibashi** (Jikei University School of Medicine, Japan) 【10min】
- PS3-5 Procedural complications related to stent-assisted coiling  
**Toshiaki Ueno** (Teikyo University School of Medicine, Japan) 【10min】

- PS3-6 Usefulness and problem of Stent assisted aneurysmal embolization  
**Masaru Hirohata** (Kurume University, Japan) **【10min】**
- PS3-7 The optimal taylor-made antiplatelet therapy for stent-assisted coil embolization  
**Yukiko Enomoto** (Gifu University, Japan) **【10min】**  
**【General discussion 40min】**

### **Symposium6 [S6] 15:25-16:25**

The new stent and flow diverter for aneurysm treatment

Chairpersons : Hidenori Oishi (Juntendo University School of Medicine, Japan)

Yuichi Murayama (Jikei University School of Medicine, Japan)

Tetsu Satow (National Cerebral and Cardiovascular Center, Japan)

- S6-1 The Barrel Stent: Initial Clinical Experience  
**Satoshi Tateshima** (Ronald Reagan UCLA Medical Center, USA) **【10min】**
- S6-2 Endovascular Treatment techniques on very wide necked and complex intracerebral Aneurysms  
**Naci Kocer** (Istanbul University, Turkey) **【20min】**
- S6-3 Flow diverter pipeline  
**Vitor Mendes Pereira** (University of Toronto, Canada) **【20min】**  
**【General discussion 10min】**

## **Dec. 6 (Sat)**

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### **Symposium7 [S7] 8:30-9:40**

Intracranial cervical artery stenosis: the role of Wingspan stent

Chairpersons : Hiroshi Yamagami (National Cerebral and Cardiovascular Center, Japan)

Masaru Hirohata (Kurume University, Japan)

Toshio Higashi (Fukuoka University, Japan)

- S7-1 Genetic Factor of Intracranial Atherosclerotic Stenosis, RNF213 gene mutation related to moyamoya disease  
**Satoru Miyawaki** (Tokyo University, Japan) **【10min】**
- S7-2 Modified Mori classification to predict stent use in percutaneous cerebral balloon angioplasty  
**Masashi Hamanaka** (Acute Stroke Center, Kyoto First Red Cross Hospital, Japan) **【8min】**
- S7-3 Early experiences of endovascular treatment with Wingspan stent for intracranial stenosis  
**Toshihiro Ueda** (Stroke Center, St. Marianna University Toyoko Hospital, Japan) **【8min】**
- S7-4 Clinical results of Wingspan stenting with intracranial artery stenosis  
**Hirotochi Imamura** (Kobe City Medical Center General Hospital, Japan) **【8min】**

S7-5 Intervention for intracranial atherosclerotic disease  
Raul G. Nogueira (Emory University School of Medicine ,Grady Memorial Hospital, U.S.A.)  
【20min】

【General discussion 15min】

### **Plenary Symposium4 [PS4] 9:45-11:45**

The new era of endovascular recanalization therapy for acute ischemic stroke:  
what can we do to improve outcome?

Chairpersons : Kazuo Minematsu (National Cerebral and Cardiovascular Center, Japan)  
Shinichi Yoshimura (Hyogo Collage of Medicine, Japan)  
Akira Ishii (Kyoto University, Japan)

PS4-1 Impact of Door to Puncture Time on Favorable Outcome in Acute Stroke Patients  
Treated with Endovascular Therapy

Hiroshi Yamagami (National Cerebral and Cardiovascular Center, Japan) 【10min】

PS4-2 Association of time with good clinical outcome in patients with acute recanalization  
therapy

Hirotooshi Imamura (Kobe City Medical Center General Hospital, Japan) 【10min】

PS4-3 Effect of protocol refinement in acute revascularization therapy to reduce  
door-to-needle and door-to-puncture time

Shoji Matsumoto (Stroke Center, Kokura Memorial Hospital, Japan) 【10min】

PS4-4 Drip and Ship System for Endovascular Therapy in Acute Ischemic Stroke

Manabu Shirakawa (Hyogo College of Medicine, Japan) 【10min】

PS4-5 Mobile Endovascular-therapy Team is Alternative System to Patient Transfer for  
Acute Ischemic Stroke

Tatsuo Amano (Toranomom Hospital, Japan) 【10min】

PS4-6 Stroke Medical Cooperation with Information and Communication Technology, How  
to use smart phone and tablet

Hiroyuki Takao (Jikei University School of Medicine, Japan) 【10min】

PS4-7 Loss of Immediate Perfusion Could Predict Successful Recanalization Of Acute  
Stroke Treated With Stent Retriever

Masakazu Okawa (Ronald Reagan UCLA Medical Center , USA) 【10min】

PS4-8 What can we do to improved the clinical outcome?: Various effrots at UCLA Stroke  
Center

Satoshi Tateshima (Ronald Reagan UCLA Medical Center , USA) 【10min】

【General discussion 40min】

## **Symposium8 [S8] 13:00~14:35**

Carotid artery stenting for high risk cases of hyperperfusion syndrome: Is staged CAS safety?

Chairpersons : Shinichi Yoshimura (Hyogo Collage of Medicine, Japan)

Yasushi Ito (Brain Research Institute, Niigata University, Japan)

Kuniaki Ogasawara (Iwate University, Japan)

- S8-1 Blood Sampling Oxygen Extraction Fraction and SPECT to anticipate Hyperperfusion Syndrome following Elective CAS  
**Takahisa Mori** (Shonan Kamakura General Hospital Stroke Center, Japan) 【10min】
- S8-2 Pathophysiology and prevention of hyperperfusion syndrome related to carotid artery stenting  
**Eiichi Kobayashi** (Chiba University Graduate School of Medicine, Japan) 【10min】
- S8-3 Usefullnes of staged angioplasty  
**Kazutaka Uchida** (Hyogo College of Medcine, Japan) 【10min】
- S8-4 The effectiveness and limitations of the staged angioplasty  
**Keigo Shigeta** (National Disaster Medical Center, Japan) 【10min】
- S8-5 Carotid artery stenting under general anesthesia for high-risk group of hyperperfusion syndrome  
**Haruka Miyata** (Stroke Center, Kokura Memorial Hospital, Japan) 【10min】
- S8-6 Protection of hyperperfusion syndrome after CAS:Importance of perioperative management  
**Tomoaki Terada** (Showa University Fujigaoka Hospital, Japan) 【10min】
- S8-7 Questionnaire survey regarding carotid artery stenting for patients at high risk for cerebral hyperperfusion syndrome  
**Mikito Hayakawa** (National Cerebral and Cardiovascular Center, Japan) 【15min】
- 【General discussion 20min】

## **Plenary Symposium5 [PS5] 14:40~16:10**

Neuroradiologist license system and carrer-path: how neurologists, neurosurgeon and female doctors learn neuroendovascular therapy?

Chairpersons : Nobuyuki Sakai (Kobe City Medical Center General Hospital, Japan)

Kazunori Toyoda (National Cerebaral and Cardiovascular Center, Japan)

Nobuhito Saito (The University of Tokyo Hospital, Japan)

- PS5-1 Board certification system of JSNET in Japanese Medical Specialty Board  
**Masayuki Ezura** (NHO Sendai Medical Center, Japan) 【10min】
- PS5-2 Japanese Society of Neuro-Endovascular Treatment Specialist Qualification System. 13 years' Experience  
**Shigeru Nemoto** (Tokyo Medical and Dental University, Japan) 【10min】



- PS5-3 Training program of neurologist for endovascular procedure  
**Keisuke Imai** (Acute Stroke Center of Kyoto First Red Cross Hospital, Japan) **【10min】**
- PS5-4 How to Learn Neuroendovascular therapy and Neurosurgery, its advantage and problems  
**Toshiyuki Fujinaka** (Osaka University, Japan) **【7min】**
- PS5-5 The training system of neuroendovascular therapy in department of neurosurgery, Nagoya University  
**Takashi Izumi** (Nagoya University, Japan) **【7min】**
- PS5-6 Career-path for Neuroradiologist among Radiologist and its problems  
**Syuichi Tanoue** (Oita University, Oita, Japan) **【7min】**
- PS5-7 Human resources development in concert with neurosurgeons, stroke neurologists and neuroradiologists.  
**Ryota Ishibashi** (Stroke Center, Kokura Memorial Hospital, Japan) **【7min】**
- PS5-8 Career paths and related problem for female Neurointerventionist  
**Yukiko Enomoto** (Gifu University, Gifu, Japan) **【7min】**
- 【General discussion 25min】**