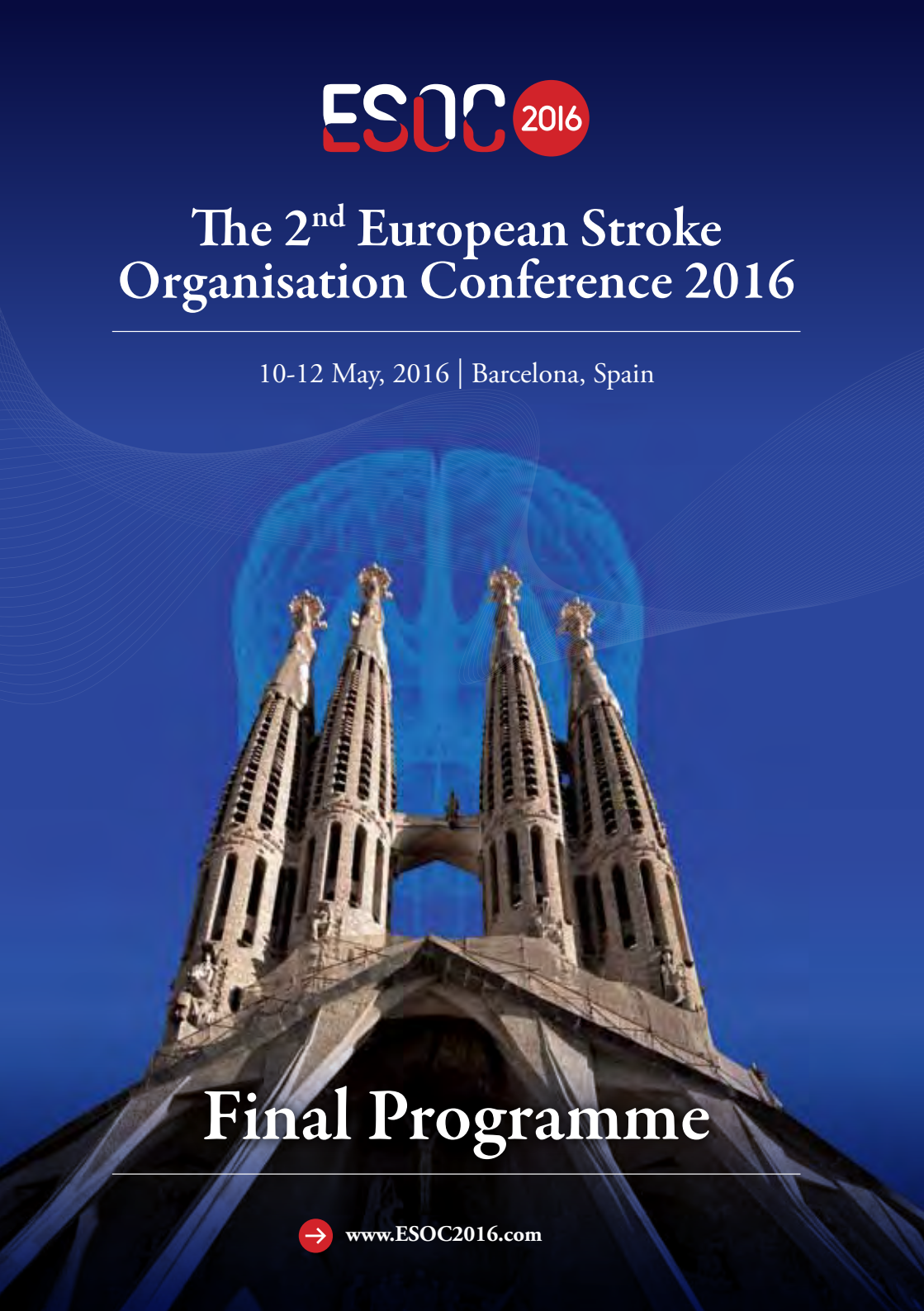




# The 2<sup>nd</sup> European Stroke Organisation Conference 2016

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10-12 May, 2016 | Barcelona, Spain

The background of the entire page is a low-angle photograph of the Sagrada Família in Barcelona, Spain, looking up at its four main spires. Overlaid on this image is a large, semi-transparent blue circle containing a white silhouette of a human brain, positioned behind the spires. The overall color scheme is a deep blue.

## Final Programme

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[www.ESOC2016.com](http://www.ESOC2016.com)



EUROPEAN STROKE  
ORGANISATION

**Become a member of ESO  
and participate in European  
stroke science!**

### **Membership Benefits**

- Reduced registration fee to the ESO Conference  
**With the discounted rate, it's like getting a year of membership for free**
- Free subscription to the European Stroke Journal
- Membership certificate
- Joint membership with WSO (for only additional 35 EUR per year)
- Newsletter
- Access to ESO educational online material
- Possibility to participate in ESO committees
- Right to apply for ESO scholarships for the European Master in Stroke Medicine (MSc) programme
- Right to participate and vote at the ESO General Assembly
- ESO Fellows: entitled to use the title "FESO" and to participate in the Council of Fellows

**Join us in our efforts to reduce the  
incidence and impact of stroke!**

Apply for membership at the ESO booth  
in the exhibition area or online.

**[www.eso-stroke.org](http://www.eso-stroke.org)**



# Final Programme

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The background of the entire page is a low-angle photograph of the Sagrada Família in Barcelona, Spain. The four main spires of the cathedral are visible, reaching towards the top of the frame. Overlaid on the upper half of the image is a large, semi-transparent blue circle containing a white silhouette of a human brain. Faint, white, concentric circular lines radiate outwards from the brain, creating a ripple effect across the blue circle and the background image.

## The 2<sup>nd</sup> European Stroke Organisation Conference 2016

---

10-12 May, 2016 | Barcelona, Spain



[www.ESOC2016.com](http://www.ESOC2016.com)

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# Welcome Letter

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Dear Friends and Colleagues,

It is my pleasure to welcome you to the 2nd European Stroke Organisation Conference (ESOC 2016), in Barcelona, Spain, on 10 -12 May, 2016.

Last year the European Stroke Organisation (ESO) took the courageous decision to establish its own stroke conference. There were strong democratic and compliance reasons behind our decision, and there appeared to be powerful support from scientific colleagues. What we did not fully anticipate was the overwhelming demonstration of practical support that arose from every quarter. Societies in our field - WSO, APSO, ESC, ESMINT, ESNR – declared their alignment with ESO.

ESOC 2015 had over 1400 abstracts submitted and we were being asked to take late breaking trials – of outstanding quality – right through the final weeks. At least two simultaneous NEJM publications were coordinated with our large trials session. Delegates have indicated their commitment: our first meeting attracted nearly 2,700 registrations.

For ESOC 2016 the Programme Committee has created a comprehensive series of keynote lectures, symposia, teaching courses and various workshops, covering the entire field of stroke management, prevention and recovery. You will have a unique opportunity to network with colleagues from all over the world. These interactions enhance research and career development. You will be exposed to a variety of interactive educational sessions in a stimulating environment, and you will learn about the latest scientific research and developments in the field.

Welcome to the attractive and modern city of Barcelona. We wish you a successful ESO Conference 2016 and a great time in Barcelona. We encourage you to evaluate the meeting as an opportunity to update your knowledge.

**Kennedy Lees**

President, European Stroke Organisation

# Committees

---

## Conference Planning Group

Kennedy Lees, *UK (Chair)*  
Natan Bornstein, *Israel*  
Michael Brainin, *Austria*  
Valeria Caso, *Italy*  
Ángel Chamorro, *Spain*  
Martin Dichgans, *Germany*  
Urs Fischer, *Switzerland*

Miquel Gallofre Lopez, *Spain*  
Heinrich Mattle, *Switzerland*  
Patrik Michel, *Switzerland*  
Robert Mikulik, *Czech Republic*  
Turgut Tatlisumak, *Sweden*  
Bart van der Worp, *The Netherlands*

## Local Organising Committee

Ángel Chamorro, *Spain (Chair)*  
José Castillo, *Spain*  
Antonio Dávalos, *Spain*  
Exuperio Díez Tejedor, *Spain*

Miquel Gallofre, *Spain*  
Carlos Molina, *Spain*  
Anna M. Planas, *Spain*

## Conference Support Group

Andrei Alexandrov, *USA*  
Ale Algra, *The Netherlands*  
Rustam Al-Shahi Salman, *UK*  
Pierre Amarenco, *France*  
Craig Anderson, *Australia*  
Marcel Arnold, *Switzerland*  
Heinrich Audebert, *Germany*  
Eitan Auriel, *Israel*  
Jean-Claude Baron, *France*  
Philip Bath, *UK*  
Dániel Bereczki, *Hungary*  
Eivind Berge, *Norway*  
Julie Bernhardt, *Australia*  
Ljiljana Beslac-Bumbasirevic, *Serbia*  
Geert Jan Biessels, *The Netherlands*  
Leo Bonati, *Switzerland*  
Marie-Germaine Bousser, *France*  
Joseph Broderick, *USA*  
Martin Brown, *UK*  
Patrícia Canhão, *Portugal*  
Antonio Carolei, *Italy*  
Hugues Chabriat, *France*  
Seemant Chaturvedi, *USA*

Christopher Chen, *Singapore*  
Michael Chopp, *USA*  
Hanne Christensen, *Denmark*  
Charlotte Cordonnier, *France*  
László Csiba, *Hungary*  
Anna Czlonkowska, *Poland*  
Antoni Dávalos, *Spain*  
Stephen Davis, *Australia*  
Jesse Dawson, *UK*  
Jacques De Keyser, *Belgium*  
Frank-Erik de Leeuw, *The Netherlands*  
Stéphanie Dabette, *France*  
Andrew M. Demchuk, *Canada*  
Martin Dennis, *UK*  
Helen Dewey, *Australia*  
Hans-Christoph Diener, *Germany*  
Exuperio Díez Tejedor, *Spain*  
Ulrich Dirnagl, *Germany*  
Geoffrey Donnan, *Australia*  
Matthias Endres, *Germany*  
Stefan Engelter, *Switzerland*  
Franz Fazekas, *Austria*  
Valery Feigin, *New Zealand*

Marc Fisher, *USA*  
Gary Ford, *UK*  
Zuzana Gdovinová, *Slovakia*  
Christian Gerloff, *Germany*  
Steven M. Greenberg, *USA*  
Alla Guekht, *Russia*  
Werner Hacke, *Germany*  
Graeme Hankey, *Australia*  
Daniel F. Hanley, *USA*  
Joseph Harbison, *Ireland*  
Wolf-Dieter Heiss, *Germany*  
Roman Herzig, *Czech Republic*  
Michael D. Hil, *Canada*  
Anne Joutel, *France*  
Tudor G. Jovin, *USA*  
Simon Jung, *Switzerland*  
Stefan Kiechl, *Austria*  
Christoph Kleinschnitz, *Germany*  
Karin Klijn, *The Netherlands*  
Martin Köhrmann, *Germany*  
Yoshihiro Kokubo, *Japan*  
Janika Kõrv, *Estonia*  
Peter J. Koudstaal, *the Netherlands*  
Christine Kremer, *Sweden*

Derk W. Krieger, *Denmark*  
 Wilfried Lang, *Austria*  
 Peter Langhorne, *UK*  
 Maarten G. Lansberg, *USA*  
 Ronen Leker, *Israel*  
 Didier Leys, *France*  
 Arne Lindgren, *Sweden*  
 Richard Lindley, *Australia*  
 Patrice Lindsay, *Canada*  
 Svetlana Lorenzano, *Italy*  
 Patrick Lyden, *USA*  
 Malcolm Macleod, *UK*  
 Hugh Markus, *UK*  
 Jean-Louis Mas, *France*  
 Ayrton Massaro, *Brazil*  
 Karl Matz, *Austria*  
 Dominick McCabe, *Ireland*  
 Atte Meretoja, *Australia*  
 Milija Mijajlovic, *Serbia*  
 Carlos Molina, *Spain*  
 Marie-Luise Mono, *Switzerland*  
 Joan Montaner, *Spain*  
 Thierry Moulin, *France*  
 Keith W. Muir, *UK*  
 Dafin F. Muresanu, *Romania*  
 Krassen Nedeltchev, *Switzerland*

Bo Norrving, *Sweden*  
 George Ntaios, *Greece*  
 Bruce Ovbiagele, *USA*  
 Maurizio Paciaroni, *Italy*  
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 Ralph L. Sacco, *USA*  
 Simona Sacco, *Italy*  
 Peter Sandercock, *UK*  
 Else Charlotte Sandset, *Norway*  
 Jeffrey L. Saver, *USA*

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 Stefan Schwab, *Germany*  
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 Thorsten Steiner, *Germany*  
 Daniel Strbian, *Finland*  
 Katharina Sunnerhagen, *Sweden*  
 David Tanne, *Israel*  
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 Marion Walker, *UK*  
 Steven Warach, *USA*  
 Joanna Wardlaw, *UK*  
 Caroline Watkins, *UK*  
 Alastair Webb, *UK*  
 David Werring, *UK*  
 Johann Willeit, *Austria*  
 Lawrence Wong, *Hong Kong*  
 Byung-Woo Yoon, *South Korea*

## Invited Programme Committee

Bart van der Worp, *The Netherlands* (Chair)  
 Martin Dichgans, *Germany*  
 Urs Fischer, *Switzerland*  
 Robert Mikulik, *Czech Republic*  
 Else Charlotte Sandset, *Norway*  
 Kennedy Lees, *UK*  
 Joerg Glahn, *Germany*

## Teaching Programme Subcommittee

Patrik Michel, *Switzerland* (Chair)  
 Valeria Caso, *Italy*  
 Robert Mikulik, *Czech Republic*  
 Stefan Kiechl, *Austria*

## Scientific Abstract Subcommittee

Kennedy Lees, *UK* (Chair)  
 Heinrich Mattle, *Switzerland*  
 Alastair Webb, *UK*

## Media Relations Subcommittee

Jesse Dawson, *UK*  
 Martin Dichgans, *Germany*  
 Alastair Webb, *UK*



# About ESO

---

The European Stroke Organisation (ESO) is a pan-European society of stroke researchers and physicians, national and regional stroke societies and lay organisations that was founded in December 2007. The aim of the European Stroke Organisation (ESO) is to reduce the incidence and impact of stroke by changing the ways that stroke is viewed and treated.

## Mission

ESO's major objective is to improve stroke care in Europe by providing medical education to healthcare professionals and the lay public in Europe. By offering best practice approaches, ESO's goal is to harmonise stroke management in Europe. ESO is dedicated to the following purposes:

- To promote awareness, management, teaching and research in all aspects of stroke;
- To develop and promote public policies to reduce the number of deaths by stroke and to improve the care of stroke victims and the quality of life of stroke victims.
- To reduce the burden of stroke throughout Europe
- To develop and promote professional and public education;
- To develop and promote other appropriate activities such as fundraising and prevention programs;
- To develop, promote, and coordinate international teaching programs through national/regional organisations;
- To advise and guide on fundraising skills in order to enable national foundations and societies to finance a greater level and range of activities;
- To foster the development of an international communications system by encouraging the regional activities of organisations, stroke networks, foundations and organisations, as they operate within the goals and objectives of the organisation.





# Activities

---

## European Stroke Organisation Conference (ESOC)

ESO organises annually the European Stroke Organisation Conference. Alongside the latest clinical trial results and discussion of their implications, the programme includes a comprehensive series of keynote lectures, symposia, teaching courses and workshops, covering the entire field of stroke management, prevention and recovery.

---

## European Stroke Journal (ESJ)

The European Stroke Journal (ESJ) is a peer-reviewed Journal that is fully owned by ESO. Issues are published 4 times a year (March, June, September and December) with 96 pages in each issue. Subscription to the European Stroke Journal is included in the ESO membership fee. It covers clinical stroke research from all fields, including clinical trials, epidemiology, primary and secondary prevention, diagnosis, acute and post-acute management, guidelines, translation of experimental findings into clinical practice, rehabilitation, organisation of stroke care, and societal impact. It is open to authors from all relevant medical and health professions. Article types include review articles, original research, protocols, guidelines, editorials and letters to the Editor.

---

## ESO – Karolinska Stroke Update Conference

The ESO-Karolinska Stroke Update Conference is organised in Stockholm, Sweden every second year. This conference offers a place for stroke professionals to discuss implementation of new research into guidelines and clinical routine. The 2016 Stroke Update Conference will take place 13-15 November. [www.eso-karolinska.org](http://www.eso-karolinska.org)

---

## European Stroke Science Workshop

Biennially, ESO runs the European Stroke Science Workshop on cutting edge clinical and research aspects of stroke, inviting a limited number of renowned stroke specialists and some younger colleagues. In 2015, more than 125 stroke experts met in Garmisch-Partenkirchen (Eibsee), Germany. The next workshop will take place in 2017.

---

## Summer School

The ESO Summer School is organised for ESO each year by a team of stroke physicians in a European city. During one week, stroke specialists from Europe provide their expert knowledge to young physicians with a major interest in cerebrovascular diseases. The 2016 ESO Summer School will take place in Madrid, Spain.

---

## Winter School

ESO organises together with ESMINT and ESNR a Winter School for young stroke physicians and neuroradiologists on the topic of acute interdisciplinary stroke treatment. The goal of this course is to enhance interdisciplinary management of patients with acute ischaemic stroke in Europe. A series of concentrated high-quality teaching sessions and courses are offered, including plenary sessions, discussions and technical training. The 2016 Winter School took place in Bern, Switzerland.

---

## Master Programme

The Danube University, Krems, Austria, offers a postgraduate Master Programme in Stroke Medicine which is part of the educational programme of ESO. The programme is tailored toward neurologists and stroke physicians planning to gain the practical knowledge and scientific background to participate in clinical research and networking. The programme enjoys the support of the World Stroke Organisation. Attendance is part-time (2 weeks per semester) plus 4 weeks practica and a Master's thesis. ESO scholarships are available.

---

## Guidelines in Stroke Management

The ESO guidelines aim to present all the relevant evidence on a particular clinical issue in order to help physicians in everyday clinical medical decision-making. ESO prepares and promotes a range of guidelines on aspects of stroke management according to rigorous principles, and contributes to stroke aspects of sister organisations' guidelines. Published guidelines can be found on the ESO website. This spring the ESO launched an app for mobile devices making the ESO guidelines available to all users worldwide.

---

## ESO – EAST “Enhancing and Accelerating Stroke Treatment”

The aim of the ESO-EAST project, supported by independent and unrestricted educational grants from EVER PHARMA and Boehringer Ingelheim, is to establish a 5-year collaboration with selected physicians from eastern countries to implement stroke care in Eastern Europe. Starting in 2016, an education programme for nurses specialised in stroke care will be added to the ESO-EAST project.

---

## ESO Trials Network Committee

The aim of the Trials Network Committee is to facilitate academic clinical stroke research in Europe. Various resources such as database of ongoing stroke research, list of other databases of ongoing research, information about regulatory systems, information about insurance arrangements and list of courses and other resources are made available.

---

## ESO Young Stroke Physicians Committee

The ESO Young Stroke Physicians (YSP) Committee represents junior stroke physicians in Europe particularly for clinical, research, and career purposes, and for promoting their role within the European Stroke Organisation (ESO) and in the field of stroke. It also provides a platform for connection and interaction of all young ESO members and young stroke physicians across Europe

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## ESO Research Fellowship Stipend

ESO offers a Research Fellowship Stipend to young scientists and physicians from lower-middle income European countries to facilitate their conduct of and training in basic, clinical or applied research related to stroke in European laboratories or clinics. The goal is to support successful candidates' future career development and, in general, to increase research activity and to help grow a pool of well-trained research scientists focused on problems in stroke in lower-middle income European countries.

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## ESO Department-to-Department Visit Programme

The programme is offered to young physicians and scientists (<35) to support a short visit of 1 week to a European department or laboratory, or as contribution to a longer visit. ESO supports several young physicians/scientists annually to facilitate insight into international stroke departments and establish contacts with centres with potential for future research and job opportunities.

---

## Virtual Stroke University

Medical professionals can easily obtain information on the latest developments in this treatment area by visiting the ESO Virtual Stroke University.

The ESO Virtual Stroke University seeks to:

- Present important lectures from major international meetings
- Create a forum for an international audience of experts
- Present the best training and educational support for stroke physicians and health providers

The ESO virtual symposia feature audio recordings synchronised with full screen slides.

**For more information on all ESO activities please visit our website at**

➔ **[www.eso-stroke.org](http://www.eso-stroke.org)**

# Timetable

|                  |                        |                        |                                          |                                                        |
|------------------|------------------------|------------------------|------------------------------------------|--------------------------------------------------------|
| General Interest | Focused Clinical Topic | Focused Research Topic | Care organisation / Patient Organisation | Scientific Communication (Oral Abstract Presentations) |
|------------------|------------------------|------------------------|------------------------------------------|--------------------------------------------------------|

## Tuesday, 10 May

|             | The Auditorium                                                          | Hall B                         | Hall C                         |
|-------------|-------------------------------------------------------------------------|--------------------------------|--------------------------------|
| 08:30-10:00 |                                                                         | Stroke in the Young            | Risk Factors for Stroke        |
| 10:00-10:30 | Coffee Break, Exhibition, Poster Viewing                                |                                |                                |
| 10:30-12:00 | Official Welcome & Large Clinical Trials                                |                                |                                |
| 12:00-12:30 | Lunch Break, Exhibition, Poster Viewing                                 |                                |                                |
| 12:30-14:00 |                                                                         | Industry Supported Session 1 * | Industry Supported Session 2 * |
| 14:00-14:15 | Short Break                                                             |                                |                                |
| 14:15-15:45 | Presidents' Symposium: Awards and Trials                                |                                |                                |
| 15:45-16:15 | Coffee Break, Exhibition, Poster Viewing                                |                                |                                |
| 16:15-17:45 | Joint ESMINT-ESO Session: Ischaemic Stroke - Endovascular Treatment – 1 | Prevention                     | Women and Stroke               |
| 17:45-18:00 | Short Break                                                             |                                |                                |
| 18:00-19:30 |                                                                         | Industry Supported Session 6 * | Industry Supported Session 7 * |
| 19:30-20:30 | Welcome Reception & Poster Walks (Exhibition Area)                      |                                |                                |

\* Industry Session not included in main event CME/CPD credit

|                                                                                                              |              |                   |                            |                  |                                                                                                   |
|--------------------------------------------------------------------------------------------------------------|--------------|-------------------|----------------------------|------------------|---------------------------------------------------------------------------------------------------|
|  Teaching Course / Workshop | WISE Session | ESO Admin Meeting | Industry Supported Session | Networking Event |  Ticket Required |
|--------------------------------------------------------------------------------------------------------------|--------------|-------------------|----------------------------|------------------|---------------------------------------------------------------------------------------------------|

| Hall D  | Hall E                                   | Hall F              | Hall G                                                                                             | Hall H                                                                                                    |
|---------|------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Imaging | Thrombolysis: Outcomes and Complications | Atrial Fibrillation |  Stroke Syndromes |  Acute Stroke Management |

|                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| Industry Supported Session 3 * | Industry Supported Session 4 * | Industry Supported Session 5 * |
|--------------------------------|--------------------------------|--------------------------------|

|                                          |                                                                            |                                            |                                                                                                                            |                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Neuropsychiatric Complications of Stroke | Joint APSO-ESO Session: Intracranial and Extracranial Large Vessel Disease | Acute Stroke Treatment: Beyond Reperfusion |  Subarachnoid Haemorrhage for Beginners |  Cognition and Stroke |
|------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|

|                                |
|--------------------------------|
| Industry Supported Session 8 * |
|--------------------------------|

|                  |                        |                        |                                          |                                                        |
|------------------|------------------------|------------------------|------------------------------------------|--------------------------------------------------------|
| General Interest | Focused Clinical Topic | Focused Research Topic | Care organisation / Patient Organisation | Scientific Communication (Oral Abstract Presentations) |
|------------------|------------------------|------------------------|------------------------------------------|--------------------------------------------------------|

## Wednesday, 11 May

|             | Hall A                                                                                                                                                                                                                | Hall B                                                           | Hall C                                                                |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------|
| 08:30-10:00 | Ischaemic Stroke - Future Directions on Lytic Treatment                                                                                                                                                               | Intracerebral Haemorrhage                                        | Stroke in the Young                                                   |
| 10:00-10:30 | Coffee Break, Exhibition, Poster Viewing                                                                                                                                                                              |                                                                  |                                                                       |
| 10:30-12:00 | Controversies                                                                                                                                                                                                         | Acute Thrombectomy Trials - Imaging Predictors of Outcome        | Stroke Genetics – Omics                                               |
| 12:00-12:45 | Lunch Break, Exhibition, Poster Viewing                                                                                                                                                                               |                                                                  |                                                                       |
| 12:45-14:15 | Industry Supported Session 9 *<br>EBAC Accredited Educational Programme: Facing the Global Catastrophe of Recurrent Stroke or TIA: Advances in Antiplatelet Therapy for Secondary Prevention in the Emergency Setting | Industry Supported Session 10 *                                  | Industry Supported Session 11 *                                       |
| 14:15-14:30 | Short Break                                                                                                                                                                                                           |                                                                  |                                                                       |
| 14:30-16:00 | Stroke Prevention & Epidemiology                                                                                                                                                                                      | Thrombolysis: Improving Efficacy                                 | Joint ESNCH-ESO Session: New Perspectives on Neurovascular Ultrasound |
| 16:00-16:30 | Coffee Break, Exhibition, Poster Viewing                                                                                                                                                                              |                                                                  |                                                                       |
| 16:30-18:00 | Joint ESC-ESO Session: Stroke and the Heart                                                                                                                                                                           | Acute Endovascular Treatment: Clinical Factors Affecting Outcome | Stroke in Children                                                    |
| 18:00-19:00 |                                                                                                                                                                                                                       | ESO General Assembly (ESO Members/Fellows Only)                  | Poster Networking & Poster Walks (Poster Area)                        |

\* Industry Session not included in main event CME/CPD credit

|                                                |              |                      |                                  |                     |                                  |
|------------------------------------------------|--------------|----------------------|----------------------------------|---------------------|----------------------------------|
| <b>Ticket</b><br>Teaching Course<br>/ Workshop | WISE Session | ESO Admin<br>Meeting | Industry<br>Supported<br>Session | Networking<br>Event | <b>Ticket</b><br>Ticket Required |
|------------------------------------------------|--------------|----------------------|----------------------------------|---------------------|----------------------------------|

| Hall D                                                                                                                     | Hall E                                                                 | Hall F                     | Hall G                                                                       | Hall H                                             |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------|----------------------------------------------------|
| Allied Health<br>Care 1: Dysphagia<br>on the Stroke<br>Unit – Incidence,<br>Complications,<br>Diagnostics and<br>Treatment | Joint INVICTUS-<br>ESO Session:<br>Advancing<br>Knowledge of<br>Stroke | Genetics and<br>Biomarkers | <b>Ticket</b><br>Management of<br>Asymptomatic<br>Cerebrovascular<br>Disease | <b>Ticket</b><br>Practical Aspects<br>After Stroke |

|                                                                                                                 |                                                                                                                                  |                           |                                                   |                                                                                |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------|--------------------------------------------------------------------------------|
| Allied Healthcare<br>2: Early<br>Rehabilitation on<br>ICU & Stroke<br>Units - Inter<br>Professional<br>Approach | Joint IASO-<br>ESO Session:<br>Collaborative<br>Research to<br>Improve Resources<br>and Management<br>in Developing<br>Countries | Epidemiology of<br>Stroke | <b>Ticket</b><br>Diagnostic Work-<br>Up of Stroke | <b>Ticket</b><br>Structured Case<br>Presentations:<br>Diagnostic<br>Challenges |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------|--------------------------------------------------------------------------------|

|                                    |                                    |                                    |  |  |
|------------------------------------|------------------------------------|------------------------------------|--|--|
| Industry Supported<br>Session 12 * | Industry Supported<br>Session 13 * | Industry Supported<br>Session 14 * |  |  |
|------------------------------------|------------------------------------|------------------------------------|--|--|

|                                                                                         |                                  |                |                                                                                                                   |                                                          |
|-----------------------------------------------------------------------------------------|----------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Joint SAFE-ESO<br>Session: Stroke<br>- How to Push<br>Stroke in the<br>Political Agenda | Cerebral Small<br>Vessel Disease | Rehabilitation | <b>Ticket</b><br>Joint ESNCH-<br>ESO Session:<br>Neurosonological<br>Diagnosis: Hands-<br>On Workshop<br>(Part 1) | <b>Ticket</b><br>Interactive<br>Neuroimaging<br>Workshop |
|-----------------------------------------------------------------------------------------|----------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|

|                                                                           |                                  |                 |                                                                                                                   |                                   |
|---------------------------------------------------------------------------|----------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Joint ESNR-ESO<br>Session: Imaging -<br>Ischaemic Stroke,<br>ICH, Carotid | Vascular Cognitive<br>Impairment | Heart and Brain | <b>Ticket</b><br>Joint ESNCH-<br>ESO Session:<br>Neurosonological<br>Diagnosis: Hands-<br>On Workshop<br>(Part 2) | <b>Ticket</b><br>Stroke Unit Care |
|---------------------------------------------------------------------------|----------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------|



|                  |                        |                        |                                          |                                                        |
|------------------|------------------------|------------------------|------------------------------------------|--------------------------------------------------------|
| General Interest | Focused Clinical Topic | Focused Research Topic | Care organisation / Patient Organisation | Scientific Communication (Oral Abstract Presentations) |
|------------------|------------------------|------------------------|------------------------------------------|--------------------------------------------------------|

## Thursday, 12 May

|             | Hall A                                                                  | Hall B                                                                                                                                                   | Hall C                                       |
|-------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 08:30-10:00 | Intracerebral Haemorrhage                                               | Acute Endovascular Treatment: Beyond the Trials                                                                                                          | Optimising Translation from Bench to Bedside |
| 10:00-10:30 | Coffee Break, Exhibition                                                |                                                                                                                                                          |                                              |
| 10:30-12:00 | Late Breaking Clinical Trials                                           | Subarachnoid Haemorrhage & Intracranial Vascular Malformations                                                                                           | Immune Response in Stroke                    |
| 12:00-12:10 | Short Break                                                             |                                                                                                                                                          |                                              |
| 12:10-13:10 | Joint ESMINT-ESO Session: Ischaemic Stroke - Endovascular Treatment – 2 | Allied Health Care 3: Further Education of Stroke-Nurses and Allied Health Professionals (AHPs) in Europe - Experience From Different European Countries | Cerebral Haemorrhage 2                       |
| 13:15-15:15 |                                                                         |                                                                                                                                                          |                                              |

\* Industry Session not included in main event CME/CPD credit

|                                                                                                              |              |                   |                            |                  |                                                                                                   |
|--------------------------------------------------------------------------------------------------------------|--------------|-------------------|----------------------------|------------------|---------------------------------------------------------------------------------------------------|
|  Teaching Course / Workshop | WISE Session | ESO Admin Meeting | Industry Supported Session | Networking Event |  Ticket Required |
|--------------------------------------------------------------------------------------------------------------|--------------|-------------------|----------------------------|------------------|---------------------------------------------------------------------------------------------------|

| Hall D                                  | Hall E                                                    | Hall F                                        | Hall G                                                                                                                                      | Hall H                                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Stroke Prognosis                        | ESO Guidelines                                            | Language and Cognition                        |  Joint ESMINT-ESNR-ESO Session: Neurointervention Workshop |  Vascular Neuro-Ophthalmology                         |
| Young Stroke Physicians and Researchers | Joint EAN-ESO Session: Stroke & Migraine, Sleep, Epilepsy | Small Vessel Disease                          |  Joint ESMINT-ESNR-ESO Session: Neurointervention Workshop |  2° Stroke Prevention Update                          |
| Women and Stroke                        |                                                           | Experimental Studies in Stroke                |                                                                                                                                             |  Structured Case Presentations: Management Challenges |
|                                         |                                                           | Industry Supported Session 15 * (13:15-14:15) |                                                                                                                                             | WISE - Challenges For Women in Stroke                                                                                                  |

# General Information

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## Conference Venue

CCIB - Centre Convencions Internacional de Barcelona  
Plaça de Willy Brandt 11-14  
08019 Barcelona, Spain  
Tel: +34 932 301 000  
[www.ccib.es](http://www.ccib.es)

## Registration

The Registration Desk will be open at the Conference Centre as follows:

|                   |               |
|-------------------|---------------|
| Monday, 9 May     | 08:00 – 19:00 |
| Tuesday, 10 May   | 07:30 – 20:30 |
| Wednesday, 11 May | 07:00 – 19:00 |
| Thursday, 12 May  | 08:00 – 13:30 |

## Exhibition Hours

|                   |                                          |
|-------------------|------------------------------------------|
| Tuesday, 10 May   | 09:30 – 20:30 (end of Welcome Reception) |
| Wednesday, 11 May | 09:30 – 17:00                            |
| Thursday, 12 May  | 09:30 – 12:00                            |

## Name Badges

Upon registration, you will receive your name badge. You are kindly requested to wear your badge during all Conference sessions and events. Please note that there is a €15 charge for the reprinting of lost name badges.

## CME/CPD Certificate Of Attendance

CME/CPD certificate of attendance will be available for participants shortly after the Conference. Your certificate will be delivered electronically after completing the educational evaluation procedure online via the link you will receive following the Conference.

## Internet Stations

Free internet and email facilities will be available in the exhibition area during the exhibition opening hours only. Conference abstracts will also be available for viewing from these stations. Please be considerate of fellow participants when using these facilities.

## WiFi

Free WiFi will be available at the Conference. Please be aware that public WiFi capacity is always limited and therefore limited to email and web browsing activity.



## Refreshments

Coffee and lunch will be served in the exhibition area at the times indicated in the Scientific Programme. Light snacks will be served during the poster networking sessions.

## Welcome Reception

All registered participants are invited to join us for the Welcome Reception, which will take place in the Exhibition Area on Tuesday, 10 May, from 19:30.

## Conference Abstracts

ESOC 2016 abstracts will be published in the European Stroke Journal (ESJ). To access the abstracts please visit <http://uk.sagepub.com/ESOC2016Abstracts>

## Mobile Application

Install the ESOC 2016 interactive mobile App to your smartphone and portable devices to access all the Conference information you may need during the Conference.

- See the overview of sessions, speakers and exhibitors
- Receive real-time updates
- Bookmark the sessions you wish to attend

Download the ESOC 2016 App now to enhance your conference experience.  
(Available on the App Store or Google Play).



## Recognition, Acknowledgements And Industry Support

In accordance with compliance regulations, Industry supporting the Conference will be acknowledged separately from the Scientific Programme. Industry Information will appear at the back of the book, under the section *Recognition, Acknowledgements And Industry Support*.

## Photography And Recording Privileges

No photographs, video recording or audio recording may be permitted in the scientific sessions at this conference unless otherwise authorised by the Conference Planning Group.

## Safety And Security

Please do not leave any bags or suitcases unattended at any time, whether inside or outside session halls.

## Emergency Telephone Numbers

112 - Fire department, Police and Ambulance services.

## Guest Attendance Policy

All event activities (including educational sessions, meal functions, exhibit hall, etc.) are exclusively reserved for registered attendees. Non-registered guests (including children, family members, colleagues, etc.) are not allowed in any of the event areas. Badges provided at registration are required for entrance into all functions and will be strictly enforced.

## Conference Secretariat

Rue François-Vernonnex 7, 1207 Geneva, Switzerland | [www.eso.kenes.com](http://www.eso.kenes.com)



*EUROPEAN STROKE  
ORGANISATION*

## **ESO Stroke Unit and Stroke Centre Certification**

ESO has implemented a system for the certification of ESO Stroke Units and ESO Stroke Centres in Europe.

### **Why apply for ESO certification?**

- Improves the quality of patient care by reducing variation in clinical processes
- Provides a benchmark for quality of stroke management
- Provides an objective assessment of clinical excellence
- Creates a loyal, cohesive clinical team
- Promotes a culture of excellence across the organisation
- Facilitates marketing, contracting and reimbursement
- Strengthens community confidence in the quality and safety of care, treatment and services

For more information visit our homepage [www.eso-certification.org](http://www.eso-certification.org) and the ESO booth in the exhibition.

**[www.eso-certification.org](http://www.eso-certification.org)**

# Awards

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The ESO Conference 2016 Planning Group would like to congratulate the winners of the Presidential Award and ESO Research Excellence Award:



## PRESIDENTIAL AWARD

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Heinrich Mattle, *Switzerland*



## ESO RESEARCH EXCELLENCE AWARD

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Stefan Kiechl, *Austria*

## YOUNG INVESTIGATORS AWARD

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The ESO Conference 2016 Planning Group chose the following abstract presenters as Young Investigators Award winners:

Diana Aguiar de Sousa, *Portugal*

Linxin Li, *United Kingdom*

Marco Pasi, *Italy*

Jan Scheitz, *Germany*

Esther van Leijsen, *The Netherlands*

# CME Accreditation

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## Educational Objectives

- Participants should be able to summarise the latest research outcomes in the field of stroke management, prevention and recovery.
- Participants should be in a position to consider the impact of the latest research outcomes in stroke management, prevention and recovery on their daily practice and on local service planning.
- Participants should be able to consider what additional information or research outcomes they will wish to see in order to change or underpin their practice.
- Participants should appreciate where or from whom further information or expertise may be sought on optimal stroke prevention or management, or on service planning.
- Participants should feel part of a wider stroke network, and have created or strengthened collaborations that will encourage them to share knowledge and other forms of support in future.

## Target Audience

This conference is targeted across the age and experience range of clinicians working in stroke care or service planning. Because stroke care requires a multidisciplinary approach, our conference will help each of the subspecialties to recognise better the strengths and contributions that colleagues can make, and to spread expertise and knowledge across the spectrum of skills. We recognise that there is a broad range of needs and so have included teaching courses on important aspects of stroke care in parallel with the most advanced research sessions, and have streamed the research sessions into themes directed towards acute care, prevention or recovery: participants may pick the stream that best matches their needs, and according to whether their emphasis is on research or clinical care.

## Accreditation Statement and Credit Designation

### European Accreditation Council for Continuing Medical Education (UEMS/EACCME)

The European Stroke Organisation Conference 2016 is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS): [www.uems.net](http://www.uems.net)

The European Stroke Organisation Conference 2016 is designated for a maximum of 14 European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

### American Medical Association (AMA)

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme)

### Royal College of Physicians and Surgeons of Canada

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada. For more information, visit: [www.royalcollege.ca](http://www.royalcollege.ca)

## Credit Breakdown

Each participant should claim only those hours of credit that he/she actually spent in the educational activity.

| Day                     | Maximum Credits |
|-------------------------|-----------------|
| Tuesday, 10 May, 2016   | 5               |
| Wednesday, 11 May, 2016 | 6               |
| Thursday, 12 May, 2016  | 3               |
| <b>Total Credits:</b>   | <b>14</b>       |

## To Receive Your CME/CPD Certificate

CME/CPD certificates of attendance will be available for participants shortly after the Conference. Participants will receive a link to their email address they used during registration; and are requested to complete an online evaluation and credit claiming procedure. The process takes about 5 minutes. We thank you for your feedback as it is an important part of CME/CPD accreditation and helps improve future educational offerings.

### Before Thursday, 9 June, 2016:

1. Access the online system via any of the following
  - Visit the following link: <https://www.surveymonkey.com/r/ESOC2016Evaluation>
  - Visit the CME/CPD Accreditation page on the event website
  - Follow the link in the email sent at the end of the event
2. Complete the anonymous online evaluation
3. Complete the credit claim form and submit
4. The CME/CPD certificate will be available for download; fill-in and retain for your personal records

## Disclosure and Resolution of Personal Conflicts of Interest

In accordance with CME/CPD accreditation criteria and standards for commercial support to ensure balance, independence, objectivity, and scientific rigor, those in control of the educational content must disclose potential or actual conflicts of interest. Disclosure information is evaluated and conflicts of interest resolved. Disclosure is made to participants prior to the activity. Participants will be asked on the evaluation to assess the objectivity and independence of the event.

- ➔ Disclosure information is available on the event website

## Industry Support Disclosure

This event is supported, in part, by funding from industry. All support is managed in strict accordance with CME/CPD accreditation criteria and standards for commercial support. Appropriate acknowledgement of all supporting organisations is made in the programme guide, on the event website, and with signage during the event.

- ➔ A list of all industry supporters is available in the Industry Support and Exhibition section at the back of the programme guide.
- ➔ Detailed programmes for all Industry Sessions are available on page 284.



# Information for Presenters

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## Speakers' Ready Room

|                   |               |
|-------------------|---------------|
| Monday, 9 May     | 14:00 – 19:00 |
| Tuesday, 10 May   | 07:30 – 20:30 |
| Wednesday, 11 May | 07:00 – 19:00 |
| Thursday, 12 May  | 08:00 – 13:30 |

## Oral Presentations

### Data presentation:

If using a PowerPoint presentation (or any other PC based application), please note you need to bring it on USB Memory stick or CD/DVD and load it on one of the Conference computers in the Speakers' Ready Room at least 1 hour before the start of the session.

Please note that the Conference computers in the session halls are being supplied with Office 2010 (at least).

If combining video films with PowerPoint, please make sure to check it in the session hall where your lecture is taking place during a coffee or lunch break prior to your session, at least 30 minutes before the start of the session - even after checking it in the Speakers' Ready Room.

Alternatively you may supply your own laptop computer. In such a case please confirm that it has a VGA socket for external signal and come to check it first in the Speakers' Ready Room as soon as you arrive and later on in the session hall where your lecture is taking place during the coffee or lunch break prior to your session, at least 30 minutes before the start of the session.

### Important note for Macintosh users:

In order to use MAC presentations on a PC compatible computer please note that you need to prepare it according to the instructions below, before bringing it to the Speakers' Ready Room:

1. Use a common font, such as Arial, Times New Roman, Verdana etc. (special fonts might be changed to a default font on a PowerPoint based PC).
2. Insert pictures as JPG files (and not TIF, PNG or PICT - these images will not be visible on a PowerPoint based PC).

Alternatively you may use your own Macintosh laptop computer. In such a case please confirm you provide it with a VGA adaptor for external signal, advise the operators in the Speakers' Ready Room about it as soon as you arrive and later on test it in the session hall where your lecture is taking place during the coffee or lunch break prior to your session, at least 30 minutes before the start of the session.

## PLEASE NOTE:

IN COMPLIANCE WITH EACCME REQUIREMENTS ALL SPEAKERS ARE REQUESTED TO INCLUDE A SLIDE DISCLOSING CONFLICTS OF INTEREST AT THE BEGINNING OF THEIR PRESENTATION

# Poster Presentations

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The Poster Presentations are an important part of the scientific programme and an invaluable opportunity for exchange of ideas and update on new research. The main opportunity for poster viewing and discussion is during the lunch and coffee breaks each day and authors are requested to stand by their poster to answer questions on the day of their presentation.

Posters will be on display on the following days:

## **Poster Session 1: Tuesday, 10 May**

**Formal Poster Viewing and Poster Walks at 19:30-20:30**, in conjunction with the Welcome Reception.

## **Poster Session 2: Wednesday, 11 May**

**Formal Posters Viewing and Poster Walks at 18:00-19:00.**

The posters from each session will be on display all day with formal poster viewing, networking and poster walks occurring each evening.

All poster boards will be situated in the Poster Area.

Presenters are able to set up their posters from 07:30 on the day of presentation.

Posters should be removed at the conclusion of the Poster Session on the day of presentation.

The organisers cannot be responsible for posters not removed by the above stated time.

Please refer to the scientific programme for the **board number** on which you should display your poster.

## Poster Session Overview

| Poster Session 1 – Tuesday, 10 May                                                           | Board Numbers |
|----------------------------------------------------------------------------------------------|---------------|
| AF and cardioembolism                                                                        | 1 - 32        |
| Brain-heart interactions                                                                     | 33 - 48       |
| Diagnosis/investigation of stroke etiology                                                   | 49 - 67       |
| ICH and IVH                                                                                  | 68 - 107      |
| SAH, aneurysm and vascular malformations                                                     | 108 - 124     |
| Language and vascular cognitive impairment                                                   | 125 - 136     |
| Neurointervention - excluding clinical trial results                                         | 137- 166      |
| Clinical trial results - acute management - thrombolysis or thrombectomy                     | 167 - 204     |
| Ongoing trials                                                                               | 205 - 252     |
| Prevention - excluding clinical trial results                                                | 253 - 272     |
| Clinical trial results - prevention                                                          | 273 - 289     |
| Rare causes, stroke in the young                                                             | 290 - 314     |
| Risk factors for stroke                                                                      | 315 - 368     |
| Service organisation                                                                         | 369 - 415     |
| Small vessel disease and cognition                                                           | 416 - 442     |
| Stroke prognosis                                                                             | 443 - 502     |
| Women and stroke                                                                             | 503 - 517     |
| Poster Session 2 – Wednesday, 11 May                                                         | Board Numbers |
| Case reports                                                                                 | 1 - 63        |
| Epidemiology of stroke                                                                       | 64 - 114      |
| Experimental / translational medicine                                                        | 115 - 150     |
| Genetics, proteomics, metabolomics                                                           | 151 - 158     |
| Hyperacute management - excluding clinical trial results                                     | 159 - 196     |
| Clinical trial results - acute management - neither thrombolysis nor thrombectomy            | 197 - 211     |
| Imaging - hyperacute                                                                         | 212 - 258     |
| Imaging - other than hyperacute                                                              | 259 - 298     |
| Neurosonology                                                                                | 299 - 312     |
| Nursing and carers                                                                           | 313 - 325     |
| Pathophysiology of stroke                                                                    | 326 - 340     |
| Rehabilitation and recovery - excluding clinical trial results                               | 341 - 388     |
| Clinical trial results - rehabilitation & recovery                                           | 389 - 414     |
| Systematic review and metaanalysis                                                           | 415 - 445     |
| Thrombolysis - excluding clinical trial results                                              | 446 - 501     |
| Young stroke physicians and researchers: research design workshop for studies in development | 502 - 510     |

# Poster Walks

We will be holding guided poster walks during the main poster sessions. During the sessions, the chairs will lead a small group of interested people around pre-selected posters, giving the authors a few minutes to present, and time for short discussions.

 Footprints on the poster boards indicate the posters that participate in the walks.

## Tuesday, 10 May

19:30 – 20:30

| Poster Topic                 | Board Numbers Area | Poster Walk Chair                         |
|------------------------------|--------------------|-------------------------------------------|
| ATRIAL FIBRILLATION          | 1 - 48             | Jorge Pagola ( <i>Spain</i> )             |
| INTRACEREBRAL<br>HAEMORRHAGE | 68 - 124           | Daniel Hanley ( <i>USA</i> )              |
| CLINICAL TRIALS              | 137 - 204          | Marc Ribó ( <i>Spain</i> )                |
| PREVENTION                   | 253 - 289          | Ale Algra ( <i>The Netherlands</i> )      |
| RISK FACTORS                 | 315 - 368          | Robert Mikulik ( <i>Czech Republic</i> )  |
| SERVICE ORGANISATION         | 369 - 415          | Atte Meretoja ( <i>Finland</i> )          |
| STROKE PROGNOSIS             | 443 - 502          | Krassen Nedeltchev ( <i>Switzerland</i> ) |

## Wednesday, 11 May

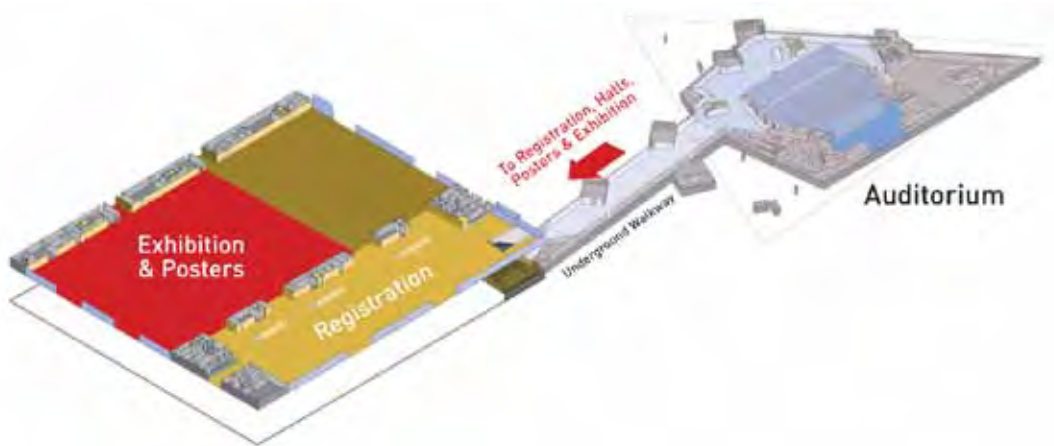
18:00 – 19:00

| Poster Topic                            | Board Numbers Area | Poster Walk Chair                          |
|-----------------------------------------|--------------------|--------------------------------------------|
| EPIDEMIOLOGY                            | 64 - 114           | Jesper Petersson ( <i>Sweden</i> )         |
| EXPERIMENTAL/<br>TRANSLATIONAL MEDICINE | 115 - 150          | Michael Chopp ( <i>USA</i> )               |
| HYPERACUTE                              | 159 - 211          | Christopher Levi ( <i>Australia</i> )      |
| IMAGING                                 | 212 - 298          | Steven Warach ( <i>USA</i> )               |
| REHABILITATION                          | 341 - 414          | Peter Langhorne ( <i>United Kingdom</i> )  |
| METANALYSIS                             | 415 - 445          | Peter Sandercock ( <i>United Kingdom</i> ) |
| THROMBOLYSIS                            | 446 - 501          | Gary Ford ( <i>United Kingdom</i> )        |

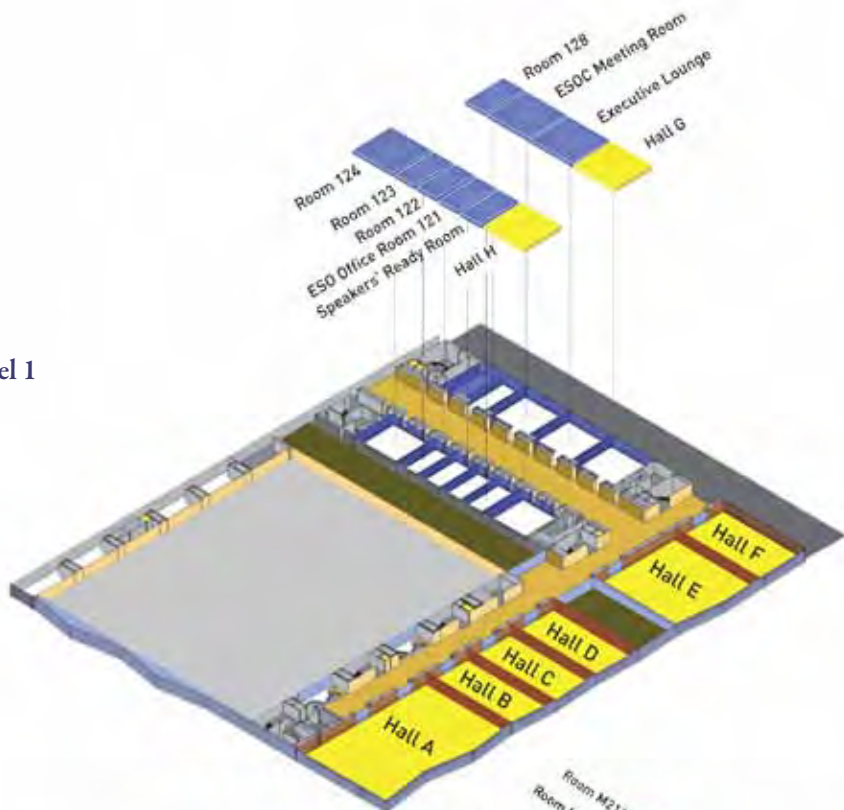
# Venue Maps

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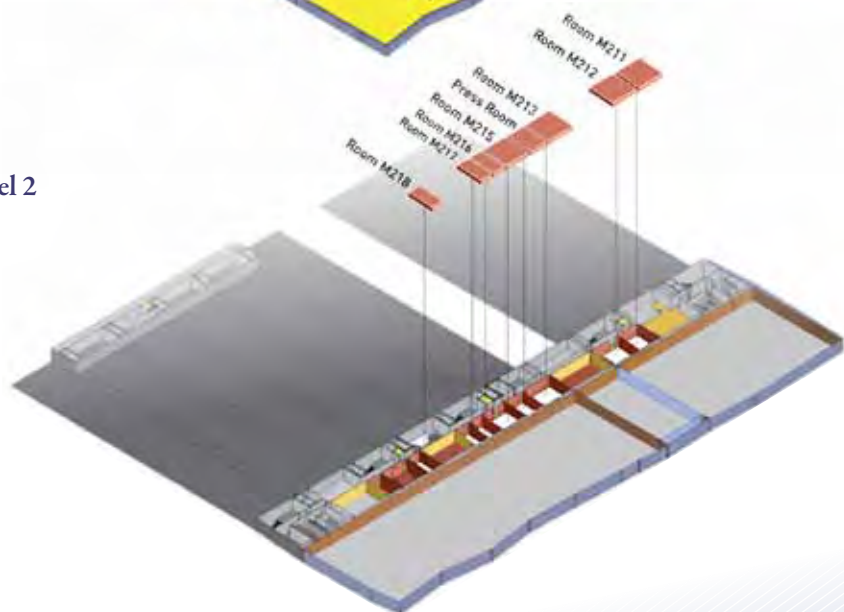
Level 0



Level 1



Level 2







10-12 May, Barcelona

# Scientific Programme

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## Tuesday, 10 May

The background of the poster is a low-angle shot of the Sagrada Família in Barcelona, Spain, looking up at its four main spires. A large, semi-transparent blue brain is superimposed over the sky behind the spires. The overall color scheme is dark blue.

**The 2<sup>nd</sup> European Stroke  
Organisation Conference 2016**

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10-12 May, 2016 | Barcelona, Spain





## TUESDAY, 10 MAY

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8:30 - 10:00

Hall B

### SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): STROKE IN THE YOUNG

Chair: **N. Bornstein** (*Israel*)

Chair: **P. Schellinger** (*Germany*)

- 8:30 TEMPORAL TRENDS IN STROKE INCIDENCE IN YOUNG PEOPLE: A SYSTEMATIC REVIEW  
**C. Scott**, R. Wharton, Z. Mehta, P. Rothwell (*United Kingdom*)
- 8:40 THE VERY LONG-TERM RISK AND PREDICTORS OF RECURRENT ISCHEMIC EVENTS AFTER A STROKE AT YOUNG AGE: THE FUTURE-STUDY  
**M. Van Alebeek**, R. Arntz, N. Synhaeve, J. Van Pamelen, N. Maaijwee, H. Schoonderwaldt, M. Van der Vlugt, E. Van Dijk, L. Rutten-Jacobs, F.E. De Leeuw (*Netherlands*)
- 8:50 RISK FACTORS FOR EARLY-ONSET ISCHEMIC STROKE: CASE-CONTROL STUDY  
**R. Kivioja**, A. Pietilä, N. Martinez-Majander, A.S. Havulinna, V. Salomaa, D. Gordin, M. Kaste, T. Tatlisumak, J. Putaala
- 9:00 TO WHAT EXTENT DO ESTABLISHED RISK FACTORS EXPLAIN STROKE IN THE YOUNG? A CASE-CONTROL STUDY  
**A. Aigner**, U. Grittner, A. Rölfs, B. Norrving, B. Siegerink, M. Busch (*Germany*)
- 9:10 MRI-VISIBLE PERIVASCULAR SPACES AS A NEUROIMAGING BIOMARKER IN FABRY DISEASE: CASE CONTROL STUDY  
**D. Lyndon**, D. Wilson, I. Davagnanam, F. Jichi, A. Merwick, F. Bolsover, H.R. Jäger, L. Cipolotti, C.A. Gandini Wheeler-Kingshott, E. Murphy, R. Lachmann, D.J. Werring (*United Kingdom*)
- 9:20 COST UTILITY ANALYSIS OF ROUTINE HYPERCOAGULABLE TESTING IN YOUNG PATIENTS WITH ISCHEMIC STROKE  
**N. Cheng**, M. Freedman, A. Kim (*USA*)
- 9:30 CANNABIS AND STROKE FAMILY HISTORY ARE PREDICTIVE FACTORS FOR STROKE IN A CASE-CONTROL STUDY THE GENESYS STUDY: GENOMIC STUDY IN YOUNG PATIENTS WITH ISCHEMIC STROKE  
**S. Timsit**, S. Redon, T. Ronziere, F. Rouhart, C. Breuilly, B. Guillon, F.M. Merrien, V. Golfier, C. Veduva, G. Taurin, S. Debiais, G. Marc, A. Tirel, P. Goas, I. Viakhireva-Dovganyuk, C. Ferec (*France*)

## Scientific Programme

- 9:40 CANNABIS USE AS A RISK OF STROKE IN YOUNG MEN LESS THAN 45 YEARS IN A 40-YEAR COHORT STUDY  
**V. Wolff**, D. Falkstedt, A.K. Danielsson, P. Allebeck *(France)*
- 9:50 CANNABIS USE AND ISCHEMIC STROKE IN YOUNG SUBJECTS: A PROSPECTIVE STUDY OF 114 PATIENTS  
C. Séchet, F. Toulgoat, **M. Sévin** *(France)*

**8:30 - 10:00**

**Hall C**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): RISK FACTORS FOR STROKE**

Chair: **Y. Kokubo** (*Japan*)

Chair: **P. Koudstaal** (*Netherlands*)

- 8:30 EARLY LIFE RISK FACTORS AND STROKE IN LATER LIFE: SYSTEMATIC REVIEW AND META-ANALYSIS  
**C.A. McHutchison**, E.V. Backhouse, S.D. Shenkin, V. Cvor, J.M. Wardlaw (*United Kingdom*)
- 8:40 AMBIENT TEMPERATURE AND STROKE OCCURRENCE: SYSTEMATIC REVIEW AND META-ANALYSIS  
**X. Wang**, D. Hong, Z. Danni, T.H. Leong, S. Richtering, E.C. Sandset, Y. Cao, C. Anderson, M. Hackett (*Australia*)
- 8:50 30-YEAR TRENDS IN 28-DAY FUNCTIONAL OUTCOMES: FINDINGS FROM THE AUCKLAND REGIONAL COMMUNITY STROKE STUDIES, 1981-2011  
**R. Krishnamurthi**, V. Parag, P. Parmar, P.A. Barber, V. Feigin (*New Zealand*)
- 9:00 PARACETAMOL, IBUPROFEN, AND RECURRENT MAJOR CARDIOVASCULAR AND MAJOR BLEEDING EVENTS IN 19,120 PATIENTS WITH RECENT ISCHAEMIC STROKE  
**J. Gonzalez-Valcarcel**, L. Sissani, J. Labreuche, M.G. Boussier, A. Chamorro, M. Fisher, I. Ford, K.M. Fox, M.G. Hennerici, H.P. Mattle, P.M. Rothwell, P.G. Steg, E. Vicaut, P. Amarenco (*France*)
- 9:10 SELECTIVE SEROTONIN REUPTAKE INHIBITORS AND THE RISK OF INTRACEREBRAL HAEMORRHAGE: A POPULATION-BASED COHORT STUDY  
**C. Renoux**, S. Vahey, S. Dell'Aniello, J.F. Boivin (*Canada*)
- 9:20 SYSTOLIC VISIT-TO-VISIT BLOOD PRESSURE VARIABILITY INCREASES RISK OF ISCHAEMIC STROKE IN PATIENTS WITH HYPERTENSION AND HIGH RISK OF CARDIOVASCULAR EVENTS. RESULTS FROM THE VALUE TRIAL  
**M. H Mehllum**, K. Liestøl, S. Julius, S.E. Kjeldsen, T.A. Hua, P.M. Rothwell, G. Mancia, G. Parati, M.A. Weber, E. Berge (*Norway*)
- 9:30 HIGH BODY MASS INDEX IN CHILDHOOD INCREASES THE RISK OF EARLY ADULT ISCHEMIC STROKE INDEPENDENTLY OF BIRTH WEIGHT  
**L.K. Haugaard**, M. Gamborg, T. Truelsen, T.I.A. Sørensen, J.L. Baker (*Denmark*)

- 9:40 THE RELATIONSHIP BETWEEN SLEEP-DISORDERED BREATHING AND BLOOD PRESSURE PARAMETERS IN CEREBROVASCULAR EVENTS: THE EVOLUTION FROM ACUTE TO SUBACUTE PHASE  
**T. Horvath**, L. Korostovtseva, U. Fischer, S. Ott, M. Manconi, C. Bernasconi, C. Cereda, G. Moschovitis, C. Bassetti (*Switzerland*)
- 9:50 MEASURES OF WHITE MATTER INTEGRITY IMPROVE PREDICTION OF STROKE IN THE GENERAL POPULATION  
**T. Evans**, M. O'Sullivan, M. De Groot, W. Niessen, A. Hofman, G. Krestin, A. Van der Lugt, M. Portegies, P. Koudstaal, D. Bos, M. Vernooij, A. Ikram

8:30 - 10:00

Hall D

## SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): IMAGING

Chair: **A. Demchuk** (*Canada*)

Chair: **W. Heiss** (*Germany*)

- 8:30 VARIABLES INFLUENCING THE ASSOCIATION BETWEEN NON-VIABLE TISSUE MEASURED ON PERFUSION CT AND CLINICAL OUTCOME  
**C. Laredo**, A. Renú, J.C. Pariente, L. Oleaga, X. Urrea, L. San Román, L. Lull, S. Rudilosso, J. Blasco, V. Obach, S. Amaro, A. Chamorro (*Spain*)
- 8:40 DIAGNOSTIC ACCURACY OF CT ANGIOGRAPHY FOR EXTRACRANIAL INTERNAL CAROTID ARTERY PSEUDO-OCCLUSIONS IN ACUTE ISCHEMIC STROKE: A MR CLEAN SUBSTUDY  
**M. Kappelhof**, H.A. Marquering, O.A. Berkhemer, J. Borst, A. Van der Lugt, W.H. Van Zwam, C.B.L.M. Majoie, B. Emmer (*Netherlands*)
- 8:50 MULTI-PARAMETER CT PERFUSION IMAGING FOR PREDICTION OF INTRACEREBRAL HEMORRHAGE SECONDARY TO ACUTE ISCHEMIC STROKE  
**C. Batchelor**, C.D. D'Esterre, P. Pordeli, C. McDougall, P. Wee, L. Hur, M. Boesen, F. Alajlan, M. Najm, J.J. Shankar, A. Khaw, M. Rubiera, J. Mandzia, E. Fainardi, T. Sajobi, T.Y. Lee, R.I. Aviv, A.M. Demchuk, M. Goyal, B.K. Menon (*Canada*)
- 9:00 E-ASPECTS SOFTWARE IS NON-INFERIOR TO NEURORADIOLOGISTS IN APPLYING THE ASPECTS SCORE TO CT SCANS OF ACUTE ISCHEMIC STROKE PATIENTS  
**S. Nagel**, D. Sinha, D. Diana, P. Papanagiotou, K. Fassbender, M. Essig, J. Heidenreich, A.A. Konstas, S. Gerry, C. Roffe, J. Hampton-Till, I.Q. Grunwald (*Germany*)
- 9:10 PULSE WAVE VELOCITY IS ASSOCIATED WITH EARLY CEREBRAL LESION GROWTH IN ISCHEMIC STROKE  
**D. Gasecki**, M. Kwarciany, K. Kowalczyk, T. Nowicki, E. Szurowska, P. Boutouyrie, S. Laurent, K. Narkiewicz, B. Karaszewski (*Poland*)
- 9:20 COMPARISON AND EXTERNAL VALIDATION OF IMAGING BASED SCORES ( ABCD2-I AND ABCD3-I) VERSUS ABCD2 FOR STROKE PREDICTION AFTER TIA  
**A. Merwick**, G.W. Albers, A. Chatzikonstantinou, G.M. De Marchis, J. Ferrari, P.M. George, M. Katan, M. Knoflach, J.S. Kim, L. Li, E. Lee, J.M. Olivot, F. Purroy, N. Raposo, P.M. Rothwell, V. Sharma, B. Song, G. Tsivgoulis, C. Walsh, P.J. Kelly (*Spain*)

- 9:30 FDG-PET IMAGING OF PLAQUE INFLAMMATION IN  
RECENTLY SYMPTOMATIC CAROTID STENOSIS HELPS IN RISK  
STRATIFICATION AND PROGNOSTICATION  
**V. Sharma**, P. Paliwal, H.L. Teoh, B. Chan, C. Hong, Y. Chee, J. Chen, E. Ting,  
H. Zhengdao, L. Wong, P. Seow, B. Chandra, A. Sinha (*Singapore*)
- 9:40 MORPHOLOGIC EVOLUTION AND REMODELING OF  
INTRACRANIAL ATHEROSCLEROSIS UNDER INTENSIVE RISK  
FACTOR CONTROL  
**T.W. Leung** (*Hong Kong- China*)
- 9:50 LACUNES VARY ALONG A CONTINUUM OF SHAPES DEFINED BY  
ELONGATION AND PLANARITY AND ALIGN WITH PERFORATING VESSELS  
**B. Gesierich**, E. Duchesnay, E. Jouvent, H. Chabriat, R. Schmidt, J.F. Mangin,  
M. Duering, M. Dichgans (*Germany*)

**8:30 - 10:00**

**Hall E**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): THROMBOLYSIS: OUTCOMES AND COMPLICATIONS**

Chair: **T. Jovin** (*USA*)

Chair: **B. van der Worp** (*Netherlands*)

- 8:30 CHANGES IN EUROPEAN LABEL AND GUIDELINE ADHERENCE IN THE SITS REGISTRY FOLLOWING UPDATED RECOMMENDATIONS FOR STROKE THROMBOLYSIS  
**T. Moreira**, M. Mazya, N. Anani, O. Bill, R. Chen, S. Koch, N. Ahmed, N. Wahlgren (*Sweden*)
- 8:40 MECHANICAL THROMBECTOMY IMPROVES FUNCTIONAL OUTCOMES INDEPENDENT OF PRETREATMENT WITH INTRAVENOUS THROMBOLYSIS: A SYSTEMATIC REVIEW AND META-ANALYSIS  
**G. Tsivgoulis**, A. Katsanos, G. Magoufis, A. Safouris, O. Kargiotis, C. Liantinioti, M. Chondrogianni, A. Papa, A. Roussopoulou, A. Arhtur, A. Alexandrov (*Greece*)
- 8:50 LONG TERM COST-EFFECTIVENESS OF THROMBECTOMY FOR ACUTE ISCHAEMIC STROKE IN REAL LIFE: AN ANALYSIS BASED ON DATA FROM THE SWEDISH STROKE REGISTER (RIKSSTROKE)  
**K. Steen Carlsson**, G. Andsberg, J. Petersson, B. Norrving (*Sweden*)
- 9:00 LEUKOARAIOSIS ASSOCIATED SYMPTOMATIC INTRACEREBRAL HAEMORRHAGE AND FUNCTIONAL OUTCOME AFTER THROMBOLYSIS FOR ACUTE ISCHAEMIC STROKE: SYSTEMATIC REVIEW AND META-ANALYSIS  
**K. Kongbunkiat**, D. Wilson, F. Jichi, V. Palumbo, M.D. Hill, A.M. Buchan, S. Jung, H.P. Mattle, N. Henninger, D.J. Werring (*United Kingdom*)
- 9:10 CEREBRAL WHITE MATTER LESIONS AND POST-THROMBOLYTIC REMOTE PARENCHYMAL HEMORRHAGE  
**S. Curtze**, J. Putaala, G. Sibolt, S. Melkas, S. Mustanoja, E. Haapaniemi, T. Sairanen, M. Tiainen, T. Tatlisumak, D. Strbian (*Finland*)
- 9:20 RISK FACTORS FOR DEEP AND LOBAR REMOTE HEMORRHAGES AFTER INTRAVENOUS THROMBOLYSIS ARE DIFFERENT  
**L.A. Prats Sánchez**, J. Sotoca-Fernández, A. Martínez-Domeño, P. Camps-Renom, R. Delgado-Mederos, R. Marin, L. Dorado, J. Cudas, A. Gómez-González, F. Purroy, M. Gómez-Choco, D. Canovas, D. Cocho, M. Garces, S. Abilleira, J. Martí-Fàbregas (*Spain*)



- 9:30 DOES THE PROPORTION OF SINGLE-CHAIN RTPA INFLUENCE OUTCOMES IN PATIENTS WITH CEREBRAL ISCHEMIA?  
**D. Leys**, I. Sibon, J.L. Mas, T. Moulin, M. Giroud, R. Bordet, D. Vivien (*France*)
- 9:40 OROLINGUAL ANGIOEDEMA DURING THROMBOLYSIS FOR CEREBRAL ISCHEMIA  
**F. Myslimi**, F. Caparros, N. Dequatre-Ponchelle, S. Moulin, G. Sophie, P. Girardie, C. Cordonnier, R. Bordet, D. Leys (*Albania*)

**8:30 - 10:00**

**Hall F**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): ATRIAL FIBRILLATION**

Chair: **M. Paciaroni** (*Italy*)

Chair: **M. Köhrmann** (*Germany*)

- 8:30 ATRIAL FIBRILLATION PATTERN MIGHT INFLUENCE THE RISK OF ISCHAEMIC STROKE AN UPDATED META-ANALYSIS  
**F. Fortuni**, F. Angelini, V. Caso (*Italy*)
- 8:40 POPULATION-BASED PROGNOSTIC STUDY OF A POLICY OF NON-ANTICOAGULATION OF TIA/STROKE PATIENTS WITH BRIEF EPISODES OF ATRIAL FIBRILLATION ON 5-DAY HOME-MONITORING  
**S.M. Lyons**, M.M. Kubiak, G. Lau, L. Li, N. Lovett, G.S. Yiin, P.M. Rothwell on behalf of the Oxford Vascular Study (*United Kingdom*)
- 8:50 TRENDS IN THE PREVALENCE AND MANAGEMENT OF PRE-STROKE ATRIAL FIBRILLATION  
**V. Jain**, I. Marshall, C. Wolfe (*United Kingdom*)
- 9:00 DETECTION OF ATRIAL FIBRILLATION AMONG PATIENTS WITH STROKE DUE TO LARGE OR SMALL VESSEL DISEASE: A META-ANALYSIS  
**J. Demeestere**, M. Lansberg, R. Lemmens (*Belgium*)
- 9:10 DURATION OF PAROXYSMAL ATRIAL FIBRILLATION IN CRYPTOGENIC STROKE IS NOT ASSOCIATED WITH STROKE SEVERITY AND EARLY OUTCOMES  
**C. Liantinioti**, K. Tympas, M. Chondrogianni, C. Zompola, G. Papadimitropoulos, A. Papa, A. Katsanos, S. Triantafyllou, A. Roussopoulou, K. Voumvourakis, J. Parissis, G. Tsivgoulis (*Greece*)
- 9:20 PREDICTORS OF HIGHER ARRHYTHMIC LOAD IN PATIENTS WITH CRYPTOGENIC STROKE AND COVERT ATRIAL FIBRILLATION DETECTED BY IMPLANTABLE LOOP RECORDERS  
**M. De Lera**, G. Largaespada, E. Cortijo, M. Sandín, A. Calleja, E. García, E. Rojo, L. López-Mesonero, P. García-Bermejo, M. Usero, A. Juanatey, L. Bautista, J. Rubio, J.F. Arenillas (*Spain*)
- 9:30 ATRIAL FIBRILLATION DETECTION RATES IN PATIENTS WITH CRYPTOGENIC STROKE: A COMPARISON OF THE CRYSTAL-AF AND EMBRACE TRIALS  
**T. Sanna**, R. Bernstein, J. Brachmann, H.C. Diener, V. Di Lazzaro, C. Morillo, R. Passman, M. Rymer, V. Thijs, S. Liu, P. Ziegler (*Italy*)

- 9:40 EMBOLIC STROKE OF UNDETERMINED SOURCE AND DETECTION OF ATRIAL FIBRILLATION ON FOLLOW-UP: HOW MUCH CAUSALITY IS THERE?  
**G. Ntaios**, V. Papavasileiou, G. Lip, H. Milionis, K. Makaritsis, A. Vemmou, E. Koroboki, E. Manios, K. Spengos, P. Michel, K. Vemmos (*Greece*)
- 9:50 RISK STRATIFICATION FOR RECURRENCE AND MORTALITY IN EMBOLIC STROKE OF UNDETERMINED SOURCE  
**G. Ntaios**, K. Vemmos, G. Lip, A. Rodríguez-Campello, E. Giralt-Steinhauer, V. Arnao, V. Caso, M. Paciaroni, E. Diez-Tejedor, B. Fuentes, A. Arauz, S. Ameriso, M. Hawkes, F. Bandini, A. García Pastor, J. Putaala, T. Tatlisumak, M. Barboza, G. Athanasakis, V. Papavasileiou (*Greece*)
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**8:30 - 10:00**

**Hall G**

**TEACHING COURSES / WORKSHOPS: STROKE SYNDROMES**

 **(Tickets are required)**

Chair: **R. Wiest** (*Switzerland*)

Chair: **P. Canhão** (*Portugal*)

- 8:30 STROKE MIMICS AND CHAMELEONS

**R. Wiest** (*Switzerland*)

**H. Sarikaya** (*Switzerland*)

- 9:15 NON-VASCULITIC CEREBRAL ANGIOPATHIES

**J. Linn** (*Germany*)

- 9:35 DRUG INDUCED STROKE

**P. Canhão** (*Portugal*)

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**8:30 - 10:00**

**Hall H**

**TEACHING COURSES / WORKSHOPS: ACUTE STROKE  
MANAGEMENT**

 **(Tickets are required)**

Chair: **J. Saver** (*USA*)

Chair: **P. Sandercock** (*United Kingdom*)

8:30 TELESTROKE AND MOBILE THROMBOLYSIS UNITS: STILL  
RELEVANT IN THE ERA OF THROMBECTOMY?

**J. De Keyser** (*Belgium*)

8:50 ACUTE ANTITHROMBOTICS IN ISCHEMIC STROKE WITH AND  
WITHOUT THROMBOLYSIS/THROMBECTOMY

**P. Sandercock** (*United Kingdom*)

9:10 IMPROVE IN HOSPITAL WORKFLOW FOR THROMBOLYSIS AND  
THROMBECTOMY

**M. Mijajlovic** (*Serbia*)

9:30 CHALLENGING INDICATIONS FOR THROMBECTOMY

**J. Saver** (*USA*)

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**10:00 - 10:30**

**Exhibition Area**

**COFFEE BREAK, EXHIBITION, POSTER VIEWING**

**10:30 - 12:00**

**The Auditorium**

## **GENERAL INTEREST: OFFICIAL WELCOME & LARGE CLINICAL TRIALS**

Convenor: **K.R. Lees** (*United Kingdom*)

Convenor: **Á. Chamorro** (*Spain*)

### **OPENING SPEECHES**

A RANDOMIZED TRIAL OF UNRUPTURED BRAIN AVMS (ARUBA):  
FINAL OUTCOME RESULTS BY TREATMENT MODALITY

**C. Stapf**, J.R. Overbey, J.P. Mohr, A.J. Moskowitz, E. Vicaut, M.K. Parides (*Canada*)

CLOT LYSIS: EVALUATING ACCELERATED RESOLUTION OF  
INTRAVENTRICULAR HEMORRHAGE (CLEAR III) 365-DAY RESULTS

**W. Ziai**, I. Awad, B. Gregson, D. Mendelow, K. Lees, J. Dawson, A. Mould,  
K. Lane, N. McBee, P. Keyl, J. Betz, E. Sugar, G. Yenokyan, S. Harnof,  
M. Rosenblum, R. Thompson, D. Hanley (*USA*)

ANTIHYPERTENSIVE TREATMENT OF ACUTE CEREBRAL  
HEMORRHAGE (ATACH) II TRIAL

**A. Qureshi**, Y. Palesch (*USA*)

ANTIHYPERTENSIVE TREATMENT OF ACUTE CEREBRAL  
HEMORRHAGE PHASE III (ATACH-II) TRIAL PRIMARY RESULTS:  
ANALYSES BY ASIAN AND NON-ASIAN SUBGROUPS

**Y. Palesch**, A. Qureshi (*USA*)

ULTRASOUND ENHANCED THROMBOLYSIS FOR ISCHEMIC  
STROKE: RESULTS OF A MULTI-NATIONAL PHASE III TRIAL (CLOTBUSTER)

**A.V. Alexandrov**, M. Köhrmann, L. Soinne, A.D. Barreto, A.M. Demchuk,  
G. Tsvigoulis, R. Mikulik, G. Brandt, J. Alleman, J.C. Grotta, C.A. Molina,  
A.W. Alexandrov, P.D. Schellinger (*USA*)

ENCHANTED MAIN RESULTS - TRIAL OF LOW-DOSE VERSUS  
STANDARD-DOSE INTRAVENOUS TISSUE PLASMINOGEN  
ACTIVATOR IN 3310 PATIENTS WITH ACUTE ISCHEMIC STROKE

**C. Anderson**, T. Robinson, R. Lindley, P. Lavados, Y. Huang, V. Sharma,  
X. Chen, G. Chen, N. Thang, T. Lee, Y. Cao, M. Parsons, C. Levi, V. Olavarria,  
A. Demchuk, P. Bath, J. Broderick (*Australia*)

EFFICACY OF LOW-DOSE VS STANDARD-DOSE RTPA BETWEEN  
ASIAN AND NON-ASIAN WITH PARTICULAR EMPHASIS ON STROKE  
SUBTYPE AND RISK OF INTRACEREBRAL HEMORRHAGE

**J. Chalmers**, C. Anderson (*Australia*)

BENEFITS AND RISKS OF LOW- VERSUS STANDARD-DOSE  
ALTEPLASE IN PATIENTS ON PRIOR ANTIPLATELET THERAPY: THE  
ENCHANTED TRIAL

**T. Robinson**, R. Lindley, P. Lavados, Y. Huang, V. Sharma, J.S. Kim, H. Arima,  
N. Thang, C. Levi, A. Demchuk, P. Bath, J. Broderick, G. Donnan, S. Ricci,  
X. Wang, G. Chen, T.H. Lee, S. Martins, J. Chalmers, C. Anderson (*United Kingdom*)

TICAGRELOR VS. ASPIRIN IN ACUTE STROKE OR TRANSIENT  
ISCHEMIC ATTACK: PRIMARY RESULTS OF THE SOCRATES  
RANDOMIZED TRIAL

**S.C. Johnston**, P. Amarenco, G. Albers, H. Denison, J.D. Easton, S. Evans,  
P. Held, J. Jonasson, K. Minematsu, C. Molina, Y. Wang, L. Wong (*USA*)

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**12:00 - 12:30**

**Exhibition Area**

**LUNCH BREAK, EXHIBITION, POSTER VIEWING**

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**12:30 - 14:00**

**Hall B**

**INDUSTRY SUPPORTED SESSION 1**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 285.

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**12:30 - 14:00**

**Hall C**

**INDUSTRY SUPPORTED SESSION 2**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 286.

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**12:30 - 14:00**

**Hall D**

**INDUSTRY SUPPORTED SESSION 3**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 287.

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**12:30 - 14:00**

**Hall E**

**INDUSTRY SUPPORTED SESSION 4**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 288.

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**12:30 - 14:00**

**Hall F**

**INDUSTRY SUPPORTED SESSION 5**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 289.

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**14:00 - 14:15**

**SHORT BREAK**

14:15 - 15:45

The Auditorium

## GENERAL INTEREST: PRESIDENTS' SYMPOSIUM: AWARDS AND TRIALS

Convenor: **M. Brainin** (*Austria*)

Convenor: **S. Davis** (*Australia*)

14:15 AWARDS

14:25 ANTIPLATELET THERAPY IN PATIENTS WITH CEREBRAL ISCHAEMIA FROM ARTERIAL ORIGIN: NETWORK META-ANALYSIS

**J.P. Greving**, H.C. Diener, L. Csiba, W. Hacke, L.J. Kappelle, P.J. Koudstaal, D. Leys, J.L. Mas, R.L. Sacco, J. Sivenius, A. Algra (*Netherlands*)

14:35 FACTOR XA INHIBITORS VERSUS VITAMIN K ANTAGONISTS FOR PREVENTING CEREBRAL OR SYSTEMIC EMBOLISM IN PATIENTS WITH ATRIAL FIBRILLATION: RESULTS FROM AN UPDATED COCHRANE SYSTEMATIC REVIEW

K. Bruins Slot, **E. Berge** (*Norway*)

14:45 PREVENTION OF DEMENTIA BY INTENSIVE VASCULAR CARE (PREDIVA) - A CLUSTER-RANDOMIZED TRIAL

**E. Richard**, E.P. Moll van Charante, L.S. Eurelings, J.W. Van Dalen, S.A. Ligthart, E.F. Van Bussel, M.P. Hoevenaar-Blom, M. Vermeulen, W.A. Van Gool (*Netherlands*)

14:55 A RANDOMIZED COMPARISON OF SYNCHRONOUS CABG AND CAROTID ENDARTERECTOMY VS ISOLATED CABG IN PATIENTS WITH ASYMPTOMATIC HIGH-GRADE CAROTID STENOSIS: THE CABACS TRIAL

**C. Weimar**, K. Bilbilis, J. Rekowski, F. Beyersdorf, M. Breuer, M. Dahm, A. Diegeler, A. Kowalski, S. Martens, F.W. Mohr, J. Ondrášek, B. Reiter, P. Roth, R. Seipelt, M. Siggelkow, G. Steinhoff, U. Stock, Wilhelmi. M.(17), G. Wimmer-Greinecker, S. Knipp, CABACS Study group (*Germany*)

15:05 THE VERTEBRAL ARTERY ISCHAEMIA STENTING TRIAL (VIST) - FIRST RESULTS ON BEHALF OF THE VIST INVESTIGATORS

**H. Markus** (*United Kingdom*)

15:15 SEDATION AND AIRWAY DURING ENDOVASCULAR TREATMENT ACUTE ISCHEMIC STROKE TREATMENT: PRIMARY AND SHORT-TERM RESULTS FROM THE RANDOMIZED TRIAL SIESTA (SEDATION VS INTUBATION FOR ENDOVASCULAR STROKE TREATMENT)

S. Schönenberger, L. Uhlmann, S. Schieber, S. Mundiyanapurath, J. Purrucker, J. Pfaff, M. Möhlenbruch, M. Bendszus, M. Kieser, W. Hacke, **J. Bösel** (*Germany*)



- 15:25 EFFECTS OF ALTEPLASE WITHIN 6 HOURS OF ISCHAEMIC STROKE ON SURVIVAL UP TO 3 YEARS: RESULTS FROM THE THIRD INTERNATIONAL STROKE TRIAL  
M. Roaldsen, W. Whiteley, **E. Berge**, G. Cohen, E. Lundström, A.S. Rudberg, J. Forbes, J. Smith, K. Bruins Slot, R. Lindley, J. Wardlaw, P. Sandercock (*Norway*)
- 15:35 PLATELET TRANSFUSION IN CEREBRAL HAEMORRHAGE (PATCH): A RANDOMISED CONTROLLED CLINICAL TRIAL  
M. Baharoglu, R. Al-Shahi Salman, C. Cordonnier, **Y. Roos** (*Netherlands*)
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**15:45 - 16:15**

**Exhibition Area**

**COFFEE BREAK, EXHIBITION, POSTER VIEWING**

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**16:15 - 17:45**

**The Auditorium**

**FOCUSED CLINICAL TOPICS: JOINT ESMINT-ESO SESSION:  
ISCHAEMIC STROKE - ENDOVASCULAR TREATMENT 1**

Convenor: **D. Toni** (*Italy*)

Convenor: **C. Cognard** (*France*)

16:15 DOOR TO RECANALIZATION IN 90 MINUTES: IT IS ABOUT MAKING CHOICES

**M. Goyal** (*Canada*)

16:30 DIFFERENT STROKE CARE SYSTEMS AND MODELS - WHICH WORKS BEST?

**D. Toni** (*Italy*)

16:45 DRIP AND SHIP VS. MOTHER SHIP: WHAT DOES THE DATA SHOW

**A. Dávalos** (*Spain*)

17:00 TREATMENT CONCEPTS FOR STROKE WITH UNKNOWN TIME OF SYMPTOM ONSET

**C. Gerloff** (*Germany*)

17:15 MULTIPARAMETRIC IMAGING: A RELIABLE TOOL TO EXCLUDE PATIENTS FROM MECHANICAL THROMBECTOMY?

**M. Ribó** (*Spain*)

17:30 DISCUSSION

16:15 - 17:45

Hall B

## SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): PREVENTION

Chair: **M. Brown** (*United Kingdom*)

Chair: **G.J. Hankey** (*Australia*)

- 16:15 META-ANALYSIS OF INDIVIDUAL PATIENT DATA FROM 5226 ASYMPTOMATIC PATIENTS IN THE ACST-1, ACAS AND VACS TRIALS: IMMEDIATE CAROTID ENDARTERECTOMY VERSUS MEDICAL THERAPY ALONE

**A. Halliday**, R. Bulbulia, D. Morris, D. De Waard, H. Pan, P. Rothwell, L. Bonati, R. Peto, On behalf of the ACST- ACAS and VA trial collaborators and the carotid stenosis Trialists' collaboration CSTC (*United Kingdom*)

- 16:25 RISK OF STROKE OR DEATH OCCURRING ON THE DAY OF PROCEDURE VERSUS DAY 1-30 AFTER PROCEDURE IN ENDARTERECTOMY OR STENTING FOR SYMPTOMATIC CAROTID STENOSIS

**M. Müller**, S. Von Felten, A. Algra, J.P. Becquemin, M. Brown, R. Bulbulia, D. Calvet, H.H. Eckstein, G. Fraedrich, A. Halliday, J. Hendrikse, G. Howard, O. Jansen, G.S. Roubin, J.L. Mas, T.G. Brott, P.A. Ringleb, L.H. Bonati (*Switzerland*)

- 16:35 EFFECT OF BODY MASS INDEX ON RISK OF STROKE AND DEATH AFTER CAROTID REVASCLARIZATION FOR SYMPTOMATIC CAROTID ARTERY STENOSIS

**E. Volkers**, J. Greving, J. Hendrikse, A. Algra, J. Kappelle, J.P. Becquemin, T. Brott, L. Bonati, R. Bulbulia, D. Calvet, H.H. Eckstein, G. Fraedrich, A. Halliday, G. Howard, O. Jansen, G. Roubin, J.L. Mas, M. Brown, P. Ringleb (*United Kingdom*)

- 16:45 PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY AND STENTING FOR SYMPTOMATIC INTRACRANIAL ARTERIAL STENOSIS: A SYSTEMATIC REVIEW AND META-ANALYSIS

**A. Katsanos**, G. Magoufis, O. Kargiotis, A. Safouris, C. Zompola, G. Papadimitropoulos, S. Triantafyllou, E. Stamboulis, A. Alexandrov, G. Tsivgoulis

- 16:55 A CURRENT ESTIMATION OF THE EARLY RISK OF STROKE AFTER TRANSIENT ISCHEMIC ATTACK: A SYSTEMATIC REVIEW AND META-ANALYSIS OF RECENT INTERVENTION STUDIES

**F. Purroy**, J. Valls, M. Peiro-Chamarra, S. Cambray, J. Molina-Seguin, I. Benabdelhak (*Spain*)

- 17:05 FARMALARM: APP FOR MOBILE DEVICES IMPROVES RISK FACTOR CONTROL AFTER STROKE  
**E. Montiel**, M. Rubiera, E. Sanjuan, M. Sanchis, D. Rodriguez-Luna, J. Pagola, S. Boned, J.M. Juega, M. Muchada, C. Molina, M. Ribo (*Spain*)
- 17:15 CENTRALLY OBSERVED HOME TELEMETRIC MONITORING OF BLOOD PRESSURE TO MANAGE INTENSIVE TREATMENT (COMMIT) STUDY: FEASIBILITY, SAFETY AND INITIAL CONTROL OF BP  
**N.G. Lovett**, R. Wharton, S. Lyons, B. James, M. Wilson, F. Cuthbertson, L. Silver, A. Webb, U. Fischer, L. Tarassenkco, P. Rothwell (*United Kingdom*)
- 17:25 PRESCRIPTION OF ANTIHYPERTENSIVE MEDICATION AT HOSPITAL DISCHARGE IS ASSOCIATED WITH IMPROVED LONG-TERM SURVIVAL POST-STROKE  
**N. Andrew**, M.F. Kilkenny, N.A. Lannin, C.S. Anderson, G.A. Donnan, K. Hill, S. Middleton, C. Levi, S. Faux, R. Grimley, A.G. Thrift, J. Kim, B. Grabsch, D. Cadilhac (*Australia*)
- 17:35 DIPEPTIDYL PEPTIDASE-4 INHIBITORS AND PROTECTION AGAINST STROKE: A SYSTEMATIC REVIEW AND META-ANALYSIS  
**H. Milionis**, F. Barkas, V. Tsimihodimos, M. Elisaf (*Greece*)

**16:15 - 17:45**

**Hall C**

**FOCUSED CLINICAL TOPICS: WOMEN AND STROKE**

Convenor: **S. Lorenzano** (*Italy*)

Convenor: **C. Kremer** (*Sweden*)

16:15 AETIOLOGY OF STROKE: ARE WOMEN REALLY DIFFERENT?

**P. Santalucia** (*Italy*)

16:30 GENDER DIFFERENCES IN STROKE SUBTYPE

**C. Kremer** (*Sweden*)

16:45 GENDER DIFFERENCES IN STROKE CARE

**S. Lorenzano** (*Italy*)

17:00 WOMEN INITIATIVE FOR STROKE IN EUROPE (WISE) - WHERE DO WE GO NEXT?

**K. Stibrant Sunnerhagen** (*Sweden*)

17:15 WHY DO WOMEN HAVE MORE SEVERE STROKES?

**L. Llull** (*Spain*)

17:30 DISCUSSION

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**16:15 - 17:45**

**Hall D**

**FOCUSED CLINICAL TOPICS: NEUROPSYCHIATRIC  
COMPLICATIONS OF STROKE**

Convenor: **J. Ferro** (*Portugal*)

Convenor: **V. Mok** (*Hong Kong, China*)

16:15 CONVENORS' INTRODUCTION

16:17 EPIDEMIOLOGY OF NEUROPSYCHIATRIC COMPLICATIONS AFTER  
STROKE

**C. Chen** (*Singapore*)

16:32 POST-STROKE DEPRESSION: MECHANISMS

**M. Endres** (*Germany*)

16:47 POST-STROKE DEPRESSION: CLINICAL STUDIES

**M. Hackett** (*Australia*)

17:02 POST-STROKE DEMENTIA: MECHANISMS AND CLINICAL STUDIES

**R. Bordet** (*France*)

17:17 POST-STROKE FATIGUE

**H. Henon** (*France*)

17:32 DISCUSSION

17:42 CLOSING REMARKS

**16:15 - 17:45**

**Hall E**

**FOCUSED CLINICAL TOPICS: JOINT APSO-ESO SESSION:  
INTRACRANIAL AND EXTRACRANIAL LARGE VESSEL  
DISEASE**

Convenor: **S. Uchiyama** (*Japan*)

Convenor: **E. López-Cancio** (*Spain*)

16:15 INTRODUCTION

**S. Uchiyama** (*Japan*)

16:20 EPIDEMIOLOGY AND RISK FACTORS: A WORLDWIDE PROBLEM

**L.K. Wong** (*Hong Kong, China*)

16:35 MEDICAL MANAGEMENT OF INTRACRANIAL LARGE VESSEL  
DISEASE: ASIAN PERSPECTIVES

**J.S. Kim** (*Republic of Korea*)

16:50 AGGRESSIVE DISEASE AND AGGRESSIVE TREATMENT OF  
INTRACRANIAL LARGE ARTERY STENOSIS: LESSONS FROM  
SAMMPRIS TRIAL

**M. Chimowitz** (*USA*)

17:05 MOYA-MOYA DISEASE. BRIDGING FROM THE EAST TO THE WEST

**K. Minematsu** (*Japan*)

17:20 TAKAYASU'S ARTERITIS. WHAT SHOULD WE KNOW?

**S. Uchiyama** (*Japan*)

17:35 FREE DISCUSSION

17:40 CLOSING REMARKS

**E. López-Cancio** (*Spain*)

16:15 - 17:45

Hall F

## SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): ACUTE STROKE TREATMENT: BEYOND REPERFUSION

Chair: **J. Dawson** (*United Kingdom*)

Chair: **J. Pandian** (*India*)

- 16:15 EARLY ISCHEMIC WORSENING AS A TARGET FOR NEUROPROTECTIVE THERAPIES: INSIGHTS FROM THE URICO-ICTUS TRIAL  
**S. Amaro**, C. Laredo, M. Castellanos, T. Segura, J. Arenillas, J. Martí-Fàbregas, J. Gállego, J. Krupinski, M. Gomis, D. Cánovas, A. Chamorro (*Spain*)
- 16:25 PREHOSPITAL INITIATION OF NEUROPROTECTION FOLLOWED BY IN-HOSPITAL THROMBOLYSIS  
**Y. Hovhannisyan**, N. Sanossian, M. Kim-Tenser, S. Starkman, D. Liebeskind, R. Conwit, S. Hamilton, J. Saver (*Armenia*)
- 16:35 INFLUENCE OF STENT DESIGN AND USE OF PROTECTION DEVICES ON OUTCOME OF CAROTID ARTERY STENTING - A POOLED ANALYSIS OF INDIVIDUAL PATIENT DATA  
**F. Wodarg**, E. Turner, J. Dobson, P.A. Ringleb, G. Fraedrich, J.P. Becquemín, M.M. Brown, A. Algra, J.L. Mas, O. Jansen, L.H. Bonati (*Germany*)
- 16:45 PARACETAMOL (ACETAMINOPHEN) IN STROKE 2 (PAIS2): RESULTS FROM A RANDOMIZED, DOUBLE-BLIND PLACEBO-CONTROLLED CLINICAL TRIAL  
**I. De Ridder**, H. Den Hertog, B. Van der Worp, M. Van Gemert, T. Schreuder, A. Ruitenbergh, L. Maasland, R. Saxena, J. Van Tuijl, B. Jansen, R. Van den Berg-Vos, F. Vermeij, P. Koudstaal, J. Kappelle, A. Algra, D. Dippel (*Netherlands*)
- 16:55 NO BENEFITS OF HYPOTHERMIA IN PATIENTS TREATED WITH HEMICRANIECTOMY FOR LARGE ISCHEMIC STROKE  
**H. Schneider**, P. Krüger, A. Algra, J. Hofmeijer, H.B. Van der Worp, E. Jüttler, K. Vahedi, G. Schackert, H. Reichmann, V. Puetz (*Germany*)
- 17:05 EARLY INITIATION OF STATIN TREATMENT AND OUTCOME AFTER ACUTE ISCHEMIC STROKE  
**J.F. Scheitz**, R.L. MacIsaac, A.H. Abdul-Rahim, B. Siegerink, P. Bath, M. Endres, K.R. Lees, C.H. Nolte (*Germany*)
- 17:15 PREDICTION OF STROKE-ASSOCIATED INFECTION IN THE PREVENTIVE ANTIBIOTICS IN STROKE STUDY (PASS)  
**W. Westendorp**, J.D. Vermeij, M. Brouwer, A. Algra, B. Van de Worp, D. Dippel, D. Van de Beek, P. Nederkoorn (*Netherlands*)



- 17:25 ANTIBIOTIC THERAPY FOR PREVENTING INFECTIONS IN PATIENTS WITH ACUTE STROKE: A META-ANALYSIS  
**J.D. Vermeij**, W.F. Westendorp, D.W. Dippel, D. Van de Beek, P.J. Nederkoorn  
*(Netherlands)*
- 17:35 CAN A NURSE-INITIATED INTERVENTION TO MANAGE FEVER, HYPERGLYCAEMIA AND SWALLOWING POST STROKE REDUCE LONG-TERM MORTALITY? FOLLOW-UP RESULTS FROM THE QASC TRIAL  
**S. Middleton**, G. Mnatzaganian, K. Coughlan, C. D'Este, N. Low Choy, A. Jammali-Blasi, J. Grimshaw, C. Levi, N.W. Cheung, J. Ward, D. Cadilhac, P. McElduff, S. Dale *(Australia)*
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**16:15 - 17:45**

**Hall G**

**TEACHING COURSES / WORKSHOPS: SUBARACHNOID HAEMORRHAGE FOR BEGINNERS**

 **(Tickets are required)**

Chair: **A. Biondi** *(France)*

Chair: **C. Thomé** *(Austria)*

- 16:15 DIAGNOSIS: BASICS AND CHALLENGES  
**A. Biondi** *(France)*
- 16:35 CAUSES, RISK FACTORS AND GRADING  
**E. Ciceri** *(Italy)*
- 16:55 OVERVIEW OVER SURGICAL AND ENDOVASCULAR TREATMENT  
**C. Thomé** *(Austria)*
- 17:15 PRINCIPLES OF MEDICAL MANAGEMENT OF SAH  
**M. Venti** *(Italy)*
- 17:35 DISCUSSION

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**16:15 - 17:45**

**Hall H**

**TEACHING COURSES / WORKSHOPS: COGNITION AND STROKE**

 **(Tickets are required)**

Chair: **A. Verdelho** (*Portugal*)

Chair: **D. Inzitari** (*Italy*)

16:15 FREQUENT AND RARE COGNITIVE SYNDROMES IN ACUTE STROKE

**O. Godefroy** (*France*)

16:35 VASCULAR DEMENTIA: CURRENT DEFINITIONS AND CONCEPTS

**D. Inzitari** (*Italy*)

16:55 EVALUATION OF COGNITIVE DECLINE AFTER STROKE

**A. Verdelho** (*Portugal*)

17:15 PREVENTION AND SYMPTOMATIC TREATMENT OF COGNITIVE IMPAIRMENT AFTER STROKE

**A. Guekht** (*Russia*)

17:35 DISCUSSION

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**17:45 - 18:00**

**SHORT BREAK**

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**18:00 - 19:30**

**Hall B**

**INDUSTRY SUPPORTED SESSION 6**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 290.

**18:00 - 19:30**

**Hall C**

**INDUSTRY SUPPORTED SESSION 7**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 291.

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**18:00 - 19:30**

**Hall D**

**INDUSTRY SUPPORTED SESSION 8**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 292.

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**19:30 - 20:30**

**Exhibition Area**

**WELCOME RECEPTION & POSTER WALKS**



10-12 May, Barcelona

## Scientific Programme

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# Wednesday, 11 May

The background of the entire page is a low-angle photograph of the Sagrada Família in Barcelona, Spain. The four main spires of the cathedral are visible, reaching towards the top of the frame. Overlaid on the upper half of the image is a large, semi-transparent blue circle containing a white, stylized outline of a human brain. The overall color scheme is a deep blue.

**The 2<sup>nd</sup> European Stroke  
Organisation Conference 2016**

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10-12 May, 2016 | Barcelona, Spain



# WEDNESDAY, 11 MAY

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**8:30 - 10:00**

**Hall A**

## FOCUSED CLINICAL TOPICS: ISCHAEMIC STROKE - FUTURE DIRECTIONS ON LYTIC TREATMENT

Convenor: **G. Donnan** (*Australia*)

Convenor: **W. Hacke** (*Germany*)

8:30 RTPA DOSE IN THE CONTEXT OF ENDOVASCULAR CLOT RETRIEVAL

**J.S. Kim** (*Republic of Korea*)

8:45 RTPA DOSE RELEVANCE TO OLDER PATIENTS

**R. Lindley** (*Australia*)

9:00 COMBINING THROMBOLYTICS WITH ANTITHROMBOTICS

**S. Amaro** (*Spain*)

9:15 PRE-HOSPITAL THROMBOLYSIS

**H. Audebert** (*Germany*)

9:30 REDUCING IN-HOSPITAL DELAYS

**P. Michel** (*Switzerland*)

9:45 DISCUSSION

**8:30 - 10:00**

**Hall B**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): INTRACEREBRAL HAEMORRHAGE**

Chair: **U. Fischer** (*Switzerland*)

Chair: **T. Steiner** (*Germany*)

- 8:30 INTRACRANIAL HAEMORRHAGE CLINICAL OUTCOMES MAY BE IMPROVED BY EARLY ACCESS TO CRITICAL CARE: OBSERVATIONAL STUDY FROM A UK HYPER-ACUTE STROKE SERVICE  
**G. Quattrocchi**, D. Austin, J. Eng, D. Werring, R. Simister (*United Kingdom*)
- 8:40 INTRA-HEMATOMA DIFFUSION CHANGES IN INTRACEREBRAL HEMORRHAGE PATIENTS  
**R. McCourt**, K. Butcher, C. Beaulieu, L. Sivakumar (*Canada*)
- 8:50 CLINICAL AND RADIOLOGICAL OUTCOME AFTER DIRECT ORAL ANTICOAGULANT INTRACEREBRAL HAEMORRHAGE (DOAC-ICH) COMPARED TO VITAMIN K ANTAGONIST INTRACEREBRAL HAEMORRHAGE (VKA-ICH)  
**D. Wilson**, D.J. Seiffge, C. Traenka, G. Basir, J.C. Purruicker, T. Rizos, R. Al-Shahi Salman, H.R. Jager, G. Ambler, Y. Yakushiji, P.M.C. Choi, J. Staals, C. Cordonnier, J.S. Jeng, R. Veltkamp, D. Dowlatshahi, S. Engelter, A.R. Parry-Jones, A. Meretoja, D.J. Werring (*United Kingdom*)
- 9:00 INTRACEREBRAL HEMORRHAGE RELATED TO NON-VKA ORAL ANTICOAGULANTS  
**J. Purruicker**, K. Haas, T. Rizos, S. Khan, M. Wolf, S. Poli, C. Kleinschnitz, T. Steiner, P. Heuschmann, R. Veltkamp (*Germany*)
- 9:10 RISK OF RECURRENT ICH, OTHER VASCULAR EVENTS AND DEATH IN SURVIVORS OF INTRACEREBRAL HAEMORRHAGE  
**K.M. Van Nieuwenhuizen**, I. Vaartjes, G.J.E. Rinkel, L.J. Kappelle, C.J.M. Klijn (*Netherlands*)
- 9:20 RISK FACTORS FOR SEIZURES AFTER INTRACEREBRAL HEMORRHAGE IN THE ETHNIC/RACIAL VARIATIONS IN INTRACEREBRAL HEMORRHAGE (ERICH) POPULATION  
**S.Y. Kwon**, A. Obeidat, P. Sekar, C.J. Moomaw, S. Koch, D. Woo (*USA*)
- 9:30 PROGNOSTIC SIGNIFICANCE OF RENAL FUNCTION IN ACUTE INTRACEREBRAL HAEMORRHAGE  
**D. Zheng**, S. Sato, H. Arima, E. Heeley, C. Delcourt, Y. Cao, J. Chalmers, C. Anderson (*Australia*)

- 9:40 PLATELET TRANSFUSION IN CEREBRAL HAEMORRHAGE (PATCH): A RANDOMISED CONTROLLED TRIAL; ADDITIONAL ANALYSES  
**M.I. Baharoglu**, C. Cordonnier, R. Al-Shahi Salman, Y.B. Roos (*Netherlands*)
- 9:50 EFFECTIVENESS OF DONEPEZIL 5MG IN PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE: A RANDOMIZED, DOUBLE-BLIND, CLINICAL TRIAL  
**S.D. Yoo**, J. Bark, L. Jang Bok, J.S. Koh, G.K. Kim (*Republic of Korea*)
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**8:30 - 10:00**

**Hall C**

## **FOCUSED CLINICAL TOPICS: STROKE IN THE YOUNG**

Convenor: **T. Tatlisumak** (*Sweden*)

Convenor: **U. Waje Andreassen** (*Norway*)

- 8:30 INTRODUCTION
- 8:33 ISCHAEMIC STROKE IN YOUNG ADULTS WITH "OLD AGE" RISK FACTORS  
**J. Putaala** (*Finland*)
- 8:53 ETIOLOGY AND PROGNOSIS AFTER INTRACEREBRAL HAEMORRHAGE IN YOUNG ADULTS  
**S. Mustanoja** (*Finland*)
- 9:13 EXTRA -AND INTRACRANIAL DISSECTION: AN UNDERRECOGNISED CAUSE OF STROKE IN YOUNG ADULTS?  
**M. Arnold** (*Switzerland*)
- 9:33 DISSECTION-RELATED STROKE - ENDOVASCULAR RECANALIZATION OR IV-THROMBOLYSIS  
**S. Engelter** (*Switzerland*)
- 9:53 DISCUSSION



**8:30 - 10:00**

**Hall D**

**CARE ORGANISATION: ALLIED HEALTH CARE 1: DYSPHAGIA  
ON THE STROKE UNIT – INCIDENCE, COMPLICATIONS,  
DIAGNOSTICS AND TREATMENT**

Convenor: **P. Bath** (*United Kingdom*)

Convenor: **R. Dziewas** (*Germany*)

8:30    **PHYSIOLOGY AND PATHOPHYSIOLOGY OF DEGLUTITION**

**R. Dziewas** (*Germany*)

8:50    **INCIDENCE AND COMPLICATIONS OF DYSPHAGIA**

**P. Clavé** (*Spain*)

9:10    **DIAGNOSTIC OF DYSPHAGIA**

**M. Trapl** (*Austria*)

9:30    **THERAPY OF DYSPHAGIA**

**S. Hamdy** (*United Kingdom*)

9:50    **OPEN DISCUSSION**

**8:30 - 10:00**

**Hall E**

**CARE ORGANISATION: JOINT INVICTUS-ESO SESSION:  
ADVANCING KNOWLEDGE OF STROKE**

Convenor: **A. Almeida** (*Spain*)

- 8:30 A NEW ANTI-TLR4 APTAMER FOR CEREBROVASCULAR DISEASE  
**I. Lizasoain** (*Spain*)
- 8:45 USEFULNESS OF SCREENING PROGRAMMES FOR INTRA AND EXTRACRANIAL ATHEROSCLEROSIS  
**E. López-Cancio** (*Spain*)
- 9:00 IDENTIFICATION OF SILENT BRAIN INFARCTS: AN EXCELLENT OPPORTUNITY FOR STROKE PREVENTION  
**P. Delgado** (*Spain*)
- 9:15 BRAIN REPAIR IN ISCHEMIC STROKE. TRANSLATING STEM CELLS THERAPY TO CLINICAL STROKE  
**B. Fuentes** (*Spain*)
- 9:15 BRAIN REPAIR IN ISCHEMIC STROKE. TRANSLATING STEM CELLS THERAPY TO CLINICAL STROKE  
**G. María** (*Spain*)
- 9:30 CAN INTRACRANIAL HEMORRHAGES BE AVOIDED IN PATIENTS TREATED WITH ORAL ANTICOAGULANTS FOR SECONDARY STROKE PREVENTION?  
**J. Martí-Fàbregas** (*Spain*)
- 9:45 THE ROLE OF ENDOTHELIAL PROGENITOR CELLS IN BRAIN REPAIR AFTER HEMORRHAGIC STROKE  
**T. Sobrino** (*Spain*)

**8:30 - 10:00**

**Hall F**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): GENETICS AND BIOMARKERS**

Chair: **M. Dichgans** (*Germany*)

Chair: **I. Fernandez** (*Spain*)

- 8:30 A PHARMACOEPIGENETIC STUDY IDENTIFIES AN ALTERED METHYLATION PATTERN ASSOCIATED WITH VASCULAR RECURRENCE IN ASPIRIN TREATED PATIENTS  
**C. Gallego Fabrega**, C. Carrera, E. Muiño, C. Natalia, A. Pezzini, P. Fontana, J.L. Reny- Jean-Luc, J. Krupinski, J. Montaner, I. Fernandez (*Spain*)
- 8:40 WHAT VASCULAR RISK FACTORS CAUSE LACUNAR STROKE? AN EPIDEMIOLOGICAL AND GENETIC STUDY  
**L. Rutten-Jacobs**, M. Traylor, A. Hassan, H. Markus (*United Kingdom*)
- 8:50 MENDELIAN STROKE GENES AND RISK OF SMALL VESSEL STROKE IN YOUNG INDIVIDUALS  
**M. Chong**, M. O'Donnell, V. Thijs, A. Dans, P. Lopex-Jaramillo, D. Gomez-Arbelaez, C. Mondo, A. Czlonkowska, M. Skowronska, S. Oveisgharan, S. Yusuf, G. Paré (*Canada*)
- 9:00 SHAPE OF THE CENTRAL SULCUS AND DISABILITY AFTER SUBCORTICAL STROKE: A MOTOR RESERVE HYPOTHESIS  
**E. Jouvent**, Z.Y. Sun, F. De Guio, E. Duchesnay, M. Duering, S. Ropele, M. Dichgans, J.F. Mangin, H. Chabriat (*France*)
- 9:10 DIFFERENT TYPES OF WHITE MATTER HYPERINTENSITIES IN CADASIL: INSIGHTS FROM 7-TESLA MRI  
**F. De Guio**, A. Vignaud, H. Chabriat, E. Jouvent (*France*)
- 9:20 PERIVASCULAR SPACES ARE INCREASED IN BOTH SPORADIC AND HEREDITARY (DUTCH-TYPE) CEREBRAL AMYLOID ANGIOPATHY  
**S. Martinez-Ramirez**, S. Van Rooden, A. Charidimou, M.E. Gurol, J. Van der Grond, A. Van Opstal, M. Wermer, G. Terwindt, S.M. Greenberg, M. Van Buchem, A. Viswanathan (*USA*)
- 9:30 CADASIL: MIGRAINE, ENCEPHALOPATHY, STROKE AND THEIR INTER-RELATIONSHIPS  
**R. Tan**, H. Markus (*United Kingdom*)

- 9:40 ENDOTHELIAL AUTOANTIBODIES AND FUNCTIONAL OUTCOME AFTER STROKE - AN ANALYSIS FROM THE PROSPECTIVE STROKE COHORT WITH INCIDENT STROKE BERLIN (PROSCIS-B)  
**T. Liman**, P. Heuschmann, S. Wiedmann, M.S.V. Elkind, D. Dragun, M. Endres  
*(Germany)*
- 9:50 LEUKOARAIOSIS AND LACUNES ARE ASSOCIATED WITH INFLAMMATION BIOMARKERS IN PATIENTS WITH ISCHAEMIC STROKE TREATED WITH INTRAVENOUS THROMBOLYSIS  
**F. Arba**, B. Piccardi, V. Palumbo, B. Giusti, A.M. Gori, M. Nesi, P. Nencini, G. Pracucci, R. Abbate, D. Inzitari *(Italy)*
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**8:30 - 10:00**

**Hall G**

**TEACHING COURSES / WORKSHOPS: MANAGEMENT OF ASYMPTOMATIC CEREBROVASCULAR DISEASE**

 **(Tickets are required)**

Chair: **A. Tomek** *(Czech Republic)*

Chair: **L. Bonati** *(Switzerland)*

- 8:30 ASYMPTOMATIC EXTRACRANIAL AND CRANIAL VESSEL STENOSIS  
**L. Bonati** *(Switzerland)*
- 8:50 ASYMPTOMATIC INTRACRANIAL ANEURYSMS  
**A. Algra** *(Netherlands)*
- 9:10 ASYMPTOMATIC INTRACRANIAL AVMS AND CAVERNOMAS  
**C. Stapf** *(Canada)*
- 9:30 NON-PHARMACOLOGICAL INTERVENTIONS FOR AF  
**A. Tomek** *(Czech Republic)*
- 9:50 DISCUSSION

**8:30 - 10:00**

**Hall H**

**TEACHING COURSES / WORKSHOPS: PRACTICAL ASPECTS  
AFTER STROKE**

 **(Tickets are required)**

Chair: **B. Norrving** (*Sweden*)

Chair: **F.R. Pezzella** (*Italy*)

8:30 TRAVEL AND DRIVE AFTER STROKE

**A. Pavlovic** (*Serbia*)

8:50 SEXUALITY AFTER STROKE

**F.R. Pezzella** (*Italy*)

9:10 HOW TO USE THE WSO POSTSTROKE CHECKLIST

**B. Norrving** (*Sweden*)

9:30 HORMONES AND PREGNANCY MANAGEMENT AFTER STROKE

**L. Rutten-Jacobs** (*United Kingdom*)

9:50 DISCUSSION

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**10:00 - 10:30**

**Exhibition Area**

**COFFEE BREAK, EXHIBITION, POSTER VIEWING**

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**10:30 - 12:00**

**Hall A**

**FOCUSED CLINICAL TOPICS: CONTROVERSIES**

Convenor: **C. Sudlow** (*United Kingdom*)

Convenor: **C. Molina** (*Spain*)

10:30 IT WORKS IN THE ANTERIOR CIRCULATION. WILL IT WORK IN THE POSTERIOR CIRCULATION, TOO? (PERHAPS)

**W.J. Schonewille** (*Netherlands*)

10:45 IT WORKS IN THE ANTERIOR CIRCULATION. WILL IT WORK IN THE POSTERIOR CIRCULATION, TOO? (YES)

**A.V. Alexandrov** (*USA*)

11:00 SHOULD ACUTE STROKE REVASCULARISATION BE CENTRALISED TO IA CENTRES? (NO)

**E. Berge** (*Norway*)

11:15 SHOULD ACUTE STROKE REVASCULARISATION BE CENTRALISED TO IA CENTRES? (YES)

**J. Fiehler** (*Germany*)

11:30 IV TREATMENT IS DEAD (YES)

**U. Fischer** (*Switzerland*)

11:45 IV TREATMENT IS DEAD (NO)

**K.W. Muir** (*United Kingdom*)

**10:30 - 12:00**

**Hall B**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): ACUTE THROMBECTOMY TRIALS - IMAGING PREDICTORS OF OUTCOME**

Chair: **J. Broderick** (*USA*)

Chair: **H. Mattle** (*Switzerland*)

- 10:30 CT PERFUSION IMAGING PROFILES AND RESPONSE TO ENDOVASCULAR REPERFUSION IN POOLED ANALYSIS OF RANDOMIZED TRIALS OF ENDOVASCULAR STENT THROMBECTOMY  
**B.C.V. Campbell**, C.B.L.M. Majoie, M.D. Hill, A. Demchuk, L. San Román, T.G. Jovin, J.L. Saver, D.W.J. Dippel, M. Goyal, P.J. Mitchell (*Australia*)
- 10:40 CLINICAL-IMAGING MISMATCH VERSUS PERFUSION IMAGING MISMATCH SELECTION FOR STROKE PATIENTS UNDERGOING MECHANICAL THROMBECTOMY: A POST-HOC ANALYSIS OF THE SWIFT PRIME TRIAL  
**R.G. Nogueira**, D.C. Haussen, G.W. Albers, C. Cognard, D.S. Liebeskind, T.G. Jovin, H.P. Mattle, D.R. Yavagal, M. Goyal, J.L. Saver (*USA*)
- 10:50 DEGREE OF COLLATERAL FLOW AT BASELINE ASSOCIATED WITH FOLLOW UP INFARCT VOLUME AFTER INTRA-ARTERIAL THERAPY IN MR CLEAN  
**A. Boers**, I. Jansen, O. Berkhemer, P. Fransen, D. Beumer, L. Van den Berg, H. Lingsma, W. Van Zwam, R. Van Oostenbrugge, A. Van der Lugt, D. Dippel, Y. Roos, H. Marquering, C. Majoie (*Netherlands*)
- 11:00 PREDICTORS OF INFARCT GROWTH AFTER 24 HOURS IN PATIENTS WITH ACUTE ISCHEMIC STROKE  
**H. Marquering**, A. Buckner, M. Boers, J. Bot, O. Berkhemer, D. Beumer, H. Lingsma, L. Van den Berg, P. Fransen, A. Yoo, W. Van Zwam, R. Van Oostenbrugge, A. Van der Lugt, D. Dippel, Y. Roos, C. Majoie (*Netherlands*)
- 11:10 RELATIVE-CEREBRAL BLOOD VOLUME PREDICTS COLLATERAL STATUS AND INFARCT GROWTH IN HYPERACUTE ISCHEMIC STROKE PATIENTS IN SWIFT PRIME  
**J.F. Arenillas**, E. Cortijo, P. García-Bermejo, E.I. Levy, R. Jahan, M. Goyal, J.L. Saver, G.W. Albers (*Spain*)

- 11:20 CORTICAL VEIN ASYMMETRY IS ASSOCIATED WITH INTRA-ARTERIAL TREATMENT BENEFIT IN PATIENTS WITH PROXIMAL ANTERIOR CIRCULATION STROKE INCLUDED IN MR CLEAN  
**I. Jansen**, A. Van Vuuren, W. Van Zwam, O. Berkhemer, R. Van Oostenbrugge, D. Dippel, L. Van den Berg, P. Fransen, I. Van den Wijngaard, D. Beumer, H. Lingsma, A. Van der Lugt, M. Van Walderveen, Y. Roos, H. Marquering, C. Slump, C. Majoie, R. Van den Berg (*Netherlands*)
- 11:30 IMPACT OF HYPERDENSE CLOT LENGTH ON OUTCOMES AFTER INTRA-ARTERIAL THROMBECTOMY IN THE THERAPY TRIAL  
**A. Yoo**, J. Mocco, O. Zaidat, P. Khatri, R. Gupta, D. Frei, D. Lopes, H. Shownkeen, O. Berkhemer, D. Meyer, M. Chauke, S. Hak, S. Kuo, H. Buell, A. Bose, S.P. Sit, R. Von Kummer (*USA*)
- 11:40 ASSOCIATION OF THROMBUS CHARACTERISTICS ON CT IMAGING WITH OUTCOME AND EFFICACY OF INTRA-ARTERIAL TREATMENT IN PATIENTS WITH ACUTE ISCHEMIC STROKE IN MR CLEAN  
**J. Borst**, O. Berkhemer, E. Santos, A. Yoo, M. Den Blanken, P. Fransen, D. Beumer, L. Van den Berg, Y. Roos, E. Van Bavel, W. Zwam, R. Van Oostenbrugge, H. Lingsma, A. Van der Lugt, D. Dippel, H. Marquering, C. Majoie (*Netherlands*)
- 11:50 VESSEL PATENCY AT 24 HOURS AND ITS RELATIONSHIP WITH CLINICAL OUTCOMES AND 24 HOURS INFARCT VOLUME IN REVASCAT TRIAL  
**M. Millan**, S. Remollo, H. Quesada, A. Renú, A. Tomasello, N. Pérez de la Ossa, M. Rubiera, L. Llull, P. Cardona, M. Hernández-Pérez, E. Cobo, T. Jovin, A. Dávalos (*Spain*)



**10:30 - 12:00**

**Hall C**

**FOCUSED CLINICAL TOPICS: STROKE GENETICS – OMICS**

Convenor: **A. Lindgren** (*Sweden*)

Convenor: **S. Debette** (*France*)

10:30 CLINICAL APPLICATIONS OF STROKE GENETICS

**H. Markus** (*United Kingdom*)

10:45 NOVEL GENES FOR STROKE: RECENT DISCOVERIES AND CURRENT INITIATIVES

**C.D. Anderson** (*USA*)

11:00 MAKING SENSE OF GWAS: FROM GENE DISCOVERY TO MECHANISM

**M. Dichgans** (*Germany*)

11:15 BIOMARKERS FOR STROKE: WHAT THE CLINICIAN NEEDS TO KNOW

**S. Kiechl** (*Austria*)

11:30 GENETICS OF OUTCOME AFTER STROKE

**C. Jern** (*Sweden*)

11:45 DISCUSSION

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**10:30 - 12:00**

**Hall D**

**CARE ORGANISATION: ALLIED HEALTHCARE 2: EARLY  
REHABILITATION ON ICU & STROKE UNITS - INTER  
PROFESSIONAL APPROACH**

Convenor: **P. Nydahl** (*Germany*)

Convenor: **P. Vaes** (*Netherlands*)

10:30 EARLY MOBILIZATION IN THE SPECIALIZED STROKE UNIT OF VALL  
D'HEBRON UNIVERSITY HOSPITAL: AN INTERDISCIPLINARY ASSISTANCE

**O. Miñarro Agüero** (*Spain*)

10:50 MOBILIZING OF OBESE PATIENTS ON ICU/SU - A MAJOR CHALLENGE

**P. Vaes** (*Netherlands*)

11:10 EARLY MOBILIZATION ON A NEUROLOGICAL ICU

**P. Nydahl** (*Germany*)

11:30 PRISM ADAPTATION TREATMENT IN HEMISPATIAL NEGLECT  
AFTER STROKE: A SINGLE CASE

**A. Claffey** (*United Kingdom*)

11:50 OPEN DISCUSSION

**10:30 - 12:00**

**Hall E**

**CARE ORGANISATION: JOINT IASO-ESO SESSION:  
COLLABORATIVE RESEARCH TO IMPROVE RESOURCES AND  
MANAGEMENT IN DEVELOPING COUNTRIES**

Convenor: **E. Díez Tejedor** (*Spain*)

Convenor: **A. Massaro** (*Brazil*)

10:30 THE EPIDEMIOLOGIC BURDEN OF STROKE IN DEVELOPING COUNTRIES. STROKE REGISTRIES TO IMPROVE THE KNOWLEDGE

**C. Sacks** (*Chile*)

10:50 ACUTE STROKE TREATMENT IN IBERO-AMERICA. THE SITS-SIECV TROMBOLYSIS REGISTRY

**F. Góngora** (*Mexico*)

11:10 IMPACT OF POST-STROKE COGNITIVE IMPAIRMENT. THE RELEVANCE OF AN ADEQUATE MANAGEMENT AND PREVENTION

**O. del Brutto** (*Ecuador*)

11:20 IMPACT OF POST-STROKE COGNITIVE IMPAIRMENT. THE RELEVANCE OF AN ADEQUATE MANAGEMENT AND PREVENTION

**E. Díez Tejedor** (*Spain*)

11:30 FACING THE CHALLENGE OF SECONDARY PREVENTION TO REDUCE STROKE RECURRENCES. INITIATIVE FOR INVESTIGATION OF AF (THE IBICTUS STROKE NETWORK)

**M. Alonso de Leciñana Cases** (*Spain*)

**10:30 - 12:00**

**Hall F**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): EPIDEMIOLOGY OF STROKE**

Chair: **A. Carolei** (*Italy*)

Chair: **V. Feigin** (*New Zealand*)

- 10:30 TEMPORAL TRENDS (2002-2014) IN SEVERITY AND OUTCOME OF INCIDENT STROKE IN OXFORDSHIRE, UK: EVIDENCE OF IMPACT OF ACUTE STROKE CARE AT THE POPULATION-LEVEL  
**L. Li**, R. Luengo-Fernandez, L. Bull, S. Welch, S. Gutnikov, Z. Mehta, L. Silver, P.M. Rothwell On behalf of the Oxford Vascular Study (*United Kingdom*)
- 10:40 SYNDROME-SPECIFIC 12-YEAR RISK OF STROKE AFTER TRANSIENT NEUROLOGICAL ATTACK: IMPLICATIONS FOR SECONDARY PREVENTION  
**M.A. Tuna**, L. Gaziano, A. Tornada, L. Li, S. Gutnikov, Z. Mehta, P. Rothwell (*United Kingdom*)
- 10:50 DIFFERENCES IN THE DISTRIBUTION OF STROKE SUBTYPES IN A UK BLACK STROKE POPULATION; FINAL RESULTS FROM THE SOUTH LONDON ETHNICITY AND STROKE STUDY  
**L. Rutten-Jacobs**, G. Gulli, L. Kalra, A. Rudd, C. Wolfe, H. Markus (*United Kingdom*)
- 11:00 SILENT BRAIN INFARCTS, PERIPHERAL VASCULAR DISEASE AND THE RISK OF VASCULAR EVENTS IN A MEDITERRANEAN HYPERTENSIVE COHORT. RESULTS FROM THE ISSYS STUDY  
**P. Delgado**, I. Riba-Llena, S. Sánchez-Ballesteros, F. Orfila, X. Mundet, J. Jiménez-Balado, L. Troya, C. Violan, J. Montaner (*Spain*)
- 11:10 EFFECTS AND INTERACTIONS OF ANTIHYPERTENSIVE DRUG CLASSES ON HOME BP VARIABILITY AFTER TIA OR MINOR STROKE  
**A. Webb**, N. Lovett, G. Lau, R. Wharton, R. Peter (*United Kingdom*)
- 11:20 CLIMATIC, SEASONAL AND CIRCADIAN CIRCUMSTANCES OF HYPERTENSIVE ICH - AN INTERNATIONAL APPROACH  
**C. Herweh**, S. Nordlohne, L. Uhlmann, S. Thorsten, B. Martin, S. Marek (*Germany*)
- 11:30 ASSOCIATION BETWEEN CANCER AND CEREBRAL VENOUS THROMBOSIS  
S. Silvis, S. Hiltunen, **S. Zuurbier**, T. Tatlisumak, A. Dikstaal, E. Haapaniemi, S. Middeldorp, J. Putaala, S. Cannegieter, J. Coutinho (*Netherlands*)
- 11:40 RECANALIZATION IN CEREBRAL VENOUS THROMBOSIS - A SYSTEMATIC REVIEW AND META-ANALYSIS  
**D. Aguiar de Sousa**, L. Neto, P. Canhão, J. Ferro (*Portugal*)

**10:30 - 12:00**

**Hall G**

**TEACHING COURSES / WORKSHOPS: DIAGNOSTIC WORK-UP OF STROKE**

 (Tickets are required)

Chair: **D. Bereczki** (*Hungary*)

Chair: **M. Castellanos** (*Spain*)

10:30 STROKE OF UNDETERMINED ETIOLOGY

**D. Bereczki** (*Hungary*)

10:50 RARE AND GENETIC CAUSES OF STROKE: WHEN AND WHAT TO SEARCH

**M. Castellanos** (*Spain*)

11:10 INDICATIONS AND YIELD OF TRANSTHORACIC AND  
TRANSESOPHAGEAL ECHO

**J. Harbison** (*Ireland*)

11:30 WHEN AND HOW TO DIAGNOSE VASCULITIS INVOLVING THE CNS

**G. Tsivgoulis** (*Greece*)

11:50 DISCUSSION

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**10:30 - 12:00**

**Hall H**

**TEACHING COURSES / WORKSHOPS: STRUCTURED CASE PRESENTATIONS: DIAGNOSTIC CHALLENGES**

 (Tickets are required)

Chair: **J. Dawson** (*United Kingdom*)

Chair: **D. Strbian** (*Finland*)

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**12:00 - 12:45**

**Exhibition Area**

**LUNCH BREAK, EXHIBITION, POSTER VIEWING**

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**12:45 - 14:15**

**Hall A**

**INDUSTRY SUPPORTED SESSION 9**

EBAC ACCREDITED EDUCATIONAL PROGRAMME

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 300.

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**12:45 - 14:15**

**Hall B**

**INDUSTRY SUPPORTED SESSION 10**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 293.

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**12:45 - 14:15**

**Hall C**

**INDUSTRY SUPPORTED SESSION 11**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 295.

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**12:45 - 14:15**

**Hall D**

**INDUSTRY SUPPORTED SESSION 12**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 296.

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**12:45 - 14:15**

**Hall E**

**INDUSTRY SUPPORTED SESSION 13**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 297.

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**12:45 - 14:15**

**Hall F**

**INDUSTRY SUPPORTED SESSION 14**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 298.

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**14:15 - 14:30**

**SHORT BREAK**

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**14:30 - 16:00**

**Hall A**

**FOCUSED CLINICAL TOPICS: STROKE PREVENTION & EPIDEMIOLOGY**

Convenor: **P. Rothwell** (*United Kingdom*)

Convenor: **P. Kelly** (*Ireland*)

14:30 TIA/MINOR STROKE: DEFINITION, DIAGNOSIS, IMAGING AND NATURAL HISTORY

**P. Amarenco** (*France*)

14:45 TRIAGE OF PATIENTS WITH TIA: PROMISES AND PITFALLS OF CLINICAL SCALES

**P. Gompertz** (*United Kingdom*)

15:00 HYPERACUTE TREATMENT OF TIA AND MINOR STROKE

**S. Coutts** (*Canada*)

15:15 HIGHEST VALUE MANAGEMENT OF TIA: IS IT IN THE CLINIC?

**C. Johnston** (*USA*)

15:30 AEROBIC EXERCISE AFTER TIA AND MINOR STROKE?

**R. van den Berg** (*Netherlands*)

15:45 DISCUSSION

**14:30 - 16:00**

**Hall B**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): THROMBOLYSIS: IMPROVING EFFICACY**

Chair: **R. Mikulik** (*Czech Republic*)

Chair: **A. Tsiskaridze** (*Georgia*)

- 14:30 TIME TO TREATMENT EFFECTS WITH ULTRA-EARLY INTRAVENOUS THROMBOLYSIS ON OUTCOME IN ACUTE ISCHEMIC STROKE THE STROKE EMERGENCY MOBILE (STEMO) WRITING GROUP  
**H. Audebert**, A. Kunz, C. Nolte, H. Erdur, J. Fiebach, G. Frederik, M. Rozanski, J. Scheitz, K. Villringer, C. Waldschmidt, J. Weber, M. Wendt, B. Winter, K. Zieschang, U. Grittner, S. Kaczmarek, M. Endres, M. Ebinger (*Germany*)
- 14:40 MOBILE STROKE AMBULANCE: HIGH RECANALIZATION RATES AND EXCELLENT OUTCOMES AFTER EARLY INTRAVENOUS TPA ADMINISTRATION IN PATIENTS WITH ACUTE LARGE VESSEL OCCLUSION  
**G. Toth**, A. Taqui, R. Cerejo, S. John, M. Donohue, K. Uchino, M.S. Hussain (*USA*)
- 14:50 EMERGENCY MEDICAL DISPATCHERS RECOGNIZE 66% OF ACUTE STROKE DURING EMERGENCY CALLS  
**S. Viereck**, T.P. Møller, H.K. Iversen, H. Christensen, F. Lippert (*Denmark*)
- 15:00 PREHOSPITAL AARHUS STROKE SEVERITY SCALE TO PREDICT LARGE ARTERY OCCLUSION: DESIGN AND COMPARISON WITH OTHER SCALES  
**S. Hastrup**, D. Damgaard, S.P. Johnsen, G. Andersen (*Denmark*)
- 15:10 PRE-HOSPITAL START OF INTRAVENOUS THROMBOLYSIS IN ACUTE ISCHEMIC STROKE - EFFECT ON OUTCOME IN PATIENTS WITH PRE-STROKE NEED OF ASSISTANCE  
**C. Nolte**, A. Kunz, H. Erdur, J. Fiebach, F. Geisler, M. Rozanski, J.F. Scheitz, K. Villringer, C. Waldschmidt, J. Weber, M. Wendt, B. Winter, K. Zieschang, U. Grittner, M. Ebinger, H. Audebert (*Germany*)
- 15:20 THROMBUS PERMEABILITY ESTIMATED FROM BASELINE CT IMAGING IS ASSOCIATED WITH IMPROVED IV-RTPA TREATMENT SUCCESS AND FUNCTIONAL OUTCOME IN PATIENTS WITH ACUTE ISCHEMIC STROKE  
**E. Santos**, J.W. Dankbaar, K. Treurniet, W. Niessen, C. Majoie, B. Velthuis, H. Marquering (*Netherlands*)
- 15:30 THE "HELSINKI MODEL" ORGANIZATION OF ACUTE STROKE CARE REDUCES DELAYS IN THROMBOLYSIS IN PATIENTS WITH ISCHEMIC STROKE  
**N. Shamalov**, G. Ivanova, L. Stakhovskaya (*Russia*)



- 15:40 THE INTERACTION OF AGE AND NIHSS PREDICTS DOOR-TO-NEEDLE TIMES IN A TELE-NEUROLOGY STROKE NETWORK  
**L. Birnbaum**, C. Topel, J. Cornell, M. Goros, J. Rodriguez *(USA)*
- 15:50 MRI IS NOT AS FAST AS CT BUT INCREASES THE PHYSICIAN'S CERTAINTY OF PRESCRIBING THROMBOLYTIC THERAPY  
**C.K. Hansen**, A. Christensen, I. Havsteen, H. Christensen *(Denmark)*

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**14:30 - 16:00**

**Hall C**

**FOCUSED CLINICAL TOPICS: JOINT ESNCH-ESO SESSION:  
NEW PERSPECTIVES ON NEUROVASCULAR ULTRASOUND**

Convenor: **N. Bornstein** (*Israel*)

Convenor: **L. Csiba** (*Hungary*)

14:30 INTRODUCTION

14:32 FUSION IMAGING IN VASCULAR NEUROLOGY

**D. Skoloudik** (*Czech Republic*)

14:52 DISCUSSION

14:54 CAN ULTRASOUND GUIDE TREATMENT OF ESUS?

**N. Bornstein** (*Israel*)

15:14 DISCUSSION

15:16 CAN ULTRASOUND GUIDE TREATMENT OF STROKE?

**L. Csiba** (*Hungary*)

15:36 DISCUSSION

15:38 THE ROLE OF ULTRASOUND IN RISK ASSESSMENT DURING  
CARDIAC INTERVENTIONS

**Z. Garami** (*USA*)

15:58 DISCUSSION

**14:30 - 16:00**

**Hall D**

**CARE ORGANISATION: JOINT SAFE-ESO SESSION: STROKE -  
HOW TO PUSH STROKE IN THE POLITICAL AGENDA**

Convenor: **M. Gallofre** (*Spain*)

Convenor: **V. Caso** (*Italy*)

14:30 THE ROLE OF STROKE SUPPORT ORGANISATIONS IN EUROPE

**J. Barrick** (*United Kingdom*)

14:50 STROKE CARE REFORM IN DENMARK: HOW TO ADAPT THIS  
MODEL TO EUROPE

**G. Andersen** (*Denmark*)

15:10 CATALAN STROKE PROGRAMME: A REGIONAL MODEL TO  
INCREASE REPERFUSION

**S. Abilleira** (*Spain*)

15:30 STROKE REHABILITATION IN UMBRIA: OVERCOMING  
GEOGRAPHIC BARRIERS AND CHALLENGING MIGRATION

**F. Corea** (*Italy*)

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**14:30 - 16:00**

**Hall E**

**FOCUSED CLINICAL TOPICS: CEREBRAL SMALL VESSEL DISEASE**

Convenor: **H. Chabriat** (*France*)

Convenor: **J. Wardlaw** (*United Kingdom*)

14:30 INTRODUCTION

14:32 HOW TO APPROACH THE PATIENT WITH CEREBRAL SVD: A PRACTICAL GUIDE

**L. Pantoni** (*Italy*)

14:47 NOVEL GENES FOR CEREBRAL SVD

**E. Tournier-Lasserre** (*France*)

15:02 7T MRI: RECENT DISCOVERIES AND EMERGING CONCEPTS

**S. van Veluw** (*Netherlands*)

15:17 NOVEL IMAGING MARKERS AND IMPLICATIONS FOR CLINICAL TRIALS

**M. Düring** (*Germany*)

15:32 REMOTE EFFECTS OF SVD-RELATED LESIONS AND EFFECTS ON NEURONAL NETWORK FUNCTION

**F. de Leeuw** (*Netherlands*)

15:47 DISCUSSION

15:57 CLOSING REMARKS

14:30 - 16:00

Hall F

## SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): REHABILITATION

Chair: **H. Dewey** (*Australia*)

Chair: **T. Quinn** (*United Kingdom*)

- 14:30 VERY EARLY STROKE REHABILITATION SAFETY IN THE FIRST 14 DAYS  
**H. Dewey**, A.G. Thrift, P. Langhorne, R.I. Lindley, P.M. Bath, C. Bladin, C.M. Reid, S. Read, C. Said, S. Middleton, J. Frayne, V. Srikanth, L. Churilov, J.M. Collier, G.A. Donnan, J. Bernhardt, On behalf of the AVERT Trial Collaboration group (*Australia*)
- 14:40 A RANDOMIZED CONTROLLED TRIAL ASSESSING THE EFFECT OF A LONG-TERM FOLLOW-UP PROGRAMME AIMING TO MAINTAIN MOTOR FUNCTION AFTER STROKE: THE LIFE AFTER STROKE (LAST) STUDY  
**T. Askim**, B. Langhammer, I.H. Hege, G. Mari, L. Stian, I. Bent (*Norway*)
- 14:50 CONTROLLED CLINICAL TRIALS OF CELL THERAPY IN STROKE: META-ANALYSIS AT 6 MONTHS AFTER TREATMENT  
**O. Detante**, M. Hommel, A. Jaillard (*France*)
- 15:00 QUALITATIVE FINDINGS FROM A RANDOMIZED CONTROLLED TRIAL OF THE TIMING IT RIGHT STROKE FAMILY SUPPORT PROGRAM  
**J.I. Cameron**, G. Naglie, M. Gignac, M. Bayley, G. Warner, T. Green, M. Huijbregts, F. Silver, S. Phillips, A. Cheung, A. Czerwonka (*Canada*)
- 15:10 DETERMINANTS OF QUALITY OF LIFE AFTER INTRA-ARTERIAL TREATMENT FOR ACUTE ISCHEMIC STROKE IN THE MR CLEAN TRIAL  
**J. Schreuders**, L.A. Van den Berg, P.S.S. Franssen, O.A. Berkhemer, D. Beumer, R.J. Van Oostenbrugge, W.H. Van Zwam, C.B.L.M. Majoie, A. Van der Lugt, P.L.M. De Kort, Y.B.W.E.M. Roos, D.W. Dippel (*Netherlands*)
- 15:20 COGNITIVE, EMOTIONAL AND NEURAL BENEFITS OF MUSIC ON STROKE RECOVERY  
**T. Särkämö**, V. Leo, A. Sihvonen, P. Ripollés, A. Rodríguez-Fornells, M. Tervaniemi, S. Soinila (*Finland*)
- 15:30 THE QUALITY OF STROKE CARE AFTER PATIENTS LEAVE HOSPITAL: THE FIRST NATIONAL SURVEY OF REHABILITATION SERVICE AVAILABILITY AND ORGANISATION THROUGHOUT ENGLAND, WALES AND NORTHERN IRELAND  
**R. Andrews**, G. Cloud, M. James, P. Tyrell, B. Bray, A. Hoffman, L. Paley, M. Kavanagh, A. Rudd, O.B.O. The SSNAP Collaboration (*United Kingdom*)

- 15:40 INCIDENCE OF VISUAL IMPAIRMENT FOLLOWING STROKE  
**F. Rowe**, L. Hepworth, K. Hanna, C. Howard (*United Kingdom*)
- 15:50 SUB-CORTICAL INFARCTS AND THE RISK OF FALLS IN OLDER PEOPLE: COMBINED RESULTS OF TASCOC AND SYDNEY MAS STUDIES  
**M. Callisaya**, V. Srikanth, S. Lord, J. Close, H. Brodaty, P. Sachdev, P. Thanh, R. Beare, J. Troller, J. Zheng, W. Wen, K. Delbaere (*Australia*)
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**14:30 - 16:00**

**Hall G**

**TEACHING COURSES / WORKSHOPS: JOINT ESNCH-ESO  
SESSION: NEUROSONOLOGICAL DIAGNOSIS: HANDS-ON  
WORKSHOP (PART 1)**

 (Tickets are required)

Chair: **C. Baracchini** (*Italy*)

Chair: **E. Azevedo** (*Portugal*)

- 14:30 ROLE OF ULTRASOUND IN POSTERIOR CIRCULATION OF STROKE  
**C. Baracchini** (*Italy*)
- 14:50 CAROTID EVALUATION FOR ARTERIOSCLEROTIC OCCLUSIVE DISEASE  
**E. Vicenzini** (*Italy*)
- 15:10 ULTRASOUND EVALUATION OF BRAIN DEATH  
**S. Schreiber** (*Germany*)
- 15:30 PRACTICAL DEMONSTRATION OF TCCD SONOGRAPHY  
**E. Bartels** (*Germany*)
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**14:30 - 16:00**

**Hall H**

**TEACHING COURSES / WORKSHOPS: INTERACTIVE  
NEUROIMAGING WORKSHOP**

 (Tickets are required)

Chair: **M. Lansberg** (*USA*)

Chair: **V. Pütz** (*Germany*)

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**16:00 - 16:30**

**Exhibition Area**

**COFFEE BREAK, EXHIBITION, POSTER VIEWING**

**16:30 - 18:00**

**Hall A**

**FOCUSED CLINICAL TOPICS: JOINT ESC-ESO SESSION:  
STROKE AND THE HEART**

Convenor: **A. Czlonkowska** (*Poland*)

Convenor: **P. Widimsky** (*Czech Republic*)

16:30 INTRODUCTION

**A. Czlonkowska** (*Poland*)

16:35 PFO - HOW TO DIAGNOSE AND TREAT, AND IN WHOM

**D. Thaler** (*USA*)

16:50 DISCUSSION

16:55 AF – WHAT IS THE OPTIMAL DETECTION STRATEGY

**M. Köhrmann** (*Germany*)

17:10 DISCUSSION

17:15 AF – WHEN TO START ANTICOAGULATION IN ISCHAEMIC STROKE  
AND RESTART AFTER ICH

**M. Paciaroni** (*Italy*)

17:30 DISCUSSION

17:35 LEFT ATRIAL APPENDAGE: CLOSE THE DOOR MORE OFTEN?

**P. Widimsky** (*Czech Republic*)

17:50 DISCUSSION

**16:30 - 18:00**

**Hall B**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): ACUTE ENDOVASCULAR TREATMENT: CLINICAL FACTORS AFFECTING OUTCOME**

Chair: **A. Dávalos** (*Spain*)

Chair: **M. Hill** (*Canada*)

- 16:30 TIMING OF THE DELIVERY OF INTRA-ARTERIAL TREATMENT IN THE MR CLEAN TRIAL  
**E. Venema**, N. Boodt, O. Berkhemer, H. Lingsma, W. Van Zwam, R. Van Oostenbrugge, A. Van der Lugt, Y. Roos, C. Majoie, D. Dippel (*Netherlands*)
- 16:40 URIC ACID THERAPY IN STROKE PATIENTS TREATED WITH MECHANICAL THROMBECTOMY: AN EXPLORATORY ANALYSIS OF THE URICOICTUS TRIAL  
**A. Chamorro**, S. Amaro, M. Castellanos, L. San Román, M. Gomis, J. Blasco, X. Urra, J. Arenillas, R. Muñoz, D. Cánovas, J. Martí-Fabregas, J. Macho, E. Cobo (*Spain*)
- 16:50 COMPARISON OF GENERAL VERSUS NON-GENERAL ANESTHESIA ON OUTCOME OF ACUTE ISCHEMIC STROKE AFTER ENDOVASCULAR TREATMENT WITH THE SOLITAIRE STENT RETRIEVER  
A. Slezak, L. Oppliger, R. Kurmann, A. Broeg-Morvay, J. Gralla, G. Schroth, P. Mordasini, H. Mattle, M. Arnold, U. Fischer, S. Jung, R. Greif, F. Neff, **M.L. Mono** (*Switzerland*)
- 17:00 OCCURRENCE AND CHARACTERISTICS OF INFARCT IN A NEW TERRITORY (INT) IN THE ESCAPE TRIAL OF ENDOVASCULAR STROKE TREATMENT  
**A. Ganesh**, M. Goyal, M.D. Hill, A. Demchuk, M. Eesa, B. Menon, O.B.O. The ESCAPE Trialists (*Canada*)
- 17:10 INFARCTION IN NEW TERRITORY IN THE MR CLEAN STUDY  
**K.M. Treurniet**, O.A. Berkhemer, P.S.S. Fransen, D. Beumer, L.A. Van den Berg, H.F. Lingsma, W.H. Van Zwam, A. Van der Lugt, R.J. Van Oostenbrugge, D.W.J. Dippel, Y.B.W.E.M. Roos, H.A. Marquering, C.B.L.M. Majoie (*Netherlands*)
- 17:20 BASELINE BLOOD PRESSURE, FUNCTIONAL OUTCOME AND EFFECT OF INTRA-ARTERIAL TREATMENT FOR ACUTE ISCHEMIC STROKE. A MR CLEAN SUBSTUDY  
**M. Mulder**, S. Ergezen, O. Berkhemer, P. Fransen, D. Beumer, V.D.B. Lucie, H. Lingsma, Y. Roos, R. Van Oostenbrugge, W. Van Zwam, C. Majoie, A. Van der Lugt, D. Dippel (*Netherlands*)



- 17:30 ISCHEMIC STROKE SUBTYPE AND TREATMENT EFFECT IN AN ENDOVASCULAR THROMBECTOMY TRIAL  
**M. Gomis**, C. Castaño, J. Pagola, X. Urra, L. Dorado, P. Cardona, D. Rodríguez Luna, L. San Román, L. Muñoz, B. Lara, A. Dávalos, T. Jovin (*Spain*)
- 17:40 ENDOVASCULAR TREATMENT IMPROVES COGNITIVE OUTCOME AT 3 MONTHS AND 1 YEAR AFTER STROKE. RESULTS FROM REVASCAT TRIAL  
**E. López-Cancio**, M. Jiménez, R. García, E. Palomeras, E. Sanjuan, S. Boned, P. Cardona, B. Lara, X. Urra, L. Llull, T. Jovin, A. Dávalos (*Spain*)
- 17:50 MECHANICAL THROMBECTOMY WITH AND WITHOUT EMERGENCY CAROTID ARTERY STENTING: RISKS AND CLINICAL OUTCOME IN A STANDARDIZED VASCULAR APPROACH  
**J. Hensler**, J. Meyne, A. Binder, O. Jansen, F. Wodarg (*Germany*)
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**16:30 - 18:00**

**Hall C**

## FOCUSED CLINICAL TOPICS: STROKE IN CHILDREN

Convenor: **V. Ganesan** (*United Kingdom*)

Convenor: **M. Steinlin** (*Switzerland*)

- 16:30 STROKE IN NEONATES: OF ANY RELEVANCE TO THE ADULT STROKE PHYSICIAN?  
**L. de Vries** (*Netherlands*)
- 16:45 ACUTE STROKE MANAGEMENT IN CHILDREN  
**G. deVeber** (*Canada*)
- 17:00 PAEDIATRIC STROKE UNITS  
**L. Gerstl** (*Germany*)
- 17:15 VASCULOPATHIES IN CHILDHOOD STROKE (INCLUDING MOYAMOYA)  
**V. Ganesan** (*United Kingdom*)
- 17:30 OUTCOME AFTER STROKE IN CHILDREN AND YOUNG ADULTS: IS RECOVERY IN CHILDREN REALLY BETTER THAN IN YOUNG ADULTS?  
**B. Goeggel Simonetti** (*Switzerland*)
- 17:45 DISCUSSION

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**16:30 - 18:00**

**Hall D**

**FOCUSED CLINICAL TOPICS: JOINT ESNR-ESO SESSION:  
IMAGING - ISCHAEMIC STROKE, ICH, CAROTID**

Convenor: **P. Schellinger** (*Germany*)

Convenor: **J. Baron** (*France*)

16:30 ACUTE STROKE IMAGING - ESSENTIAL TECHNIQUES FOR EVERY  
STROKE CENTRE

**G. Thomalla** (*Germany*)

16:50 IMAGING THE COLLATERAL CIRCULATION

**P. Vilela** (*Portugal*)

17:10 ACUTE STROKE IMAGING IN 2025 - LOOKING THROUGH THE  
CRYSTAL BALL

**J. Baron** (*France*)

17:30 CAROTID PLAQUE IMAGING

**E. Kooi** (*Netherlands*)

17:50 DISCUSSION

**16:30 - 18:00**

**Hall E**

**FOCUSED CLINICAL TOPICS: VASCULAR COGNITIVE  
IMPAIRMENT**

Convenor: **S. Greenberg** (*USA*)

Convenor: **F. Wollenweber** (*Germany*)

16:30 INTRODUCTION

16:35 ASSESSING COGNITIVE FUNCTION AFTER STROKE

**S. Pendlebury** (*United Kingdom*)

16:50 EMERGING IMAGING MARKERS OF VCI

**G.J. Biessels** (*Netherlands*)

17:05 MULTIDOMAIN INTERVENTIONS – LESSONS FROM THE FINGER  
AND ASPIS TRIALS

**K. Matz** (*Austria*)

17:20 COGNITIVE IMPAIRMENT AFTER INTRACEREBRAL HAEMORRHAGE

**S. Moulin** (*France*)

17:35 INTERPLAY BETWEEN VASCULAR AND AMYLOID PATHOLOGY IN  
DEMENTIA

**Z. Gdovinová** (*Slovakia*)

17:50 CONCLUSION & DISCUSSION

**16:30 - 18:00**

**Hall F**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): HEART AND BRAIN**

Chair: **R. Veltkamp** (*United Kingdom*)

Chair: **S. Jung** (*Switzerland*)

- 16:30 LEFT ATRIAL APPENDAGE OCCLUSION VERSUS STANDARD MEDICAL CARE IN PATIENTS WITH ATRIAL FIBRILLATION AND INTRACEREBRAL HEMORRHAGE: A PROPENSITY SCORE MATCHED FOLLOW-UP STUDY  
**S.P. Johnsen**, J.E. Nielsen-Kudsk, M. Rosenqvist, P. Wester, D. Damgaard, J. Lund, O. De Backer, S. Pakarinen, J. Odenstedt, S. Vikman, B. Sahlgren, O. Kongstad, D.W. Krieger (*Denmark*)
- 16:40 WHAT MAKES NEW ISCHEMIC LESIONS SYMPTOMATIC AFTER AORTIC VALVE REPLACEMENT?  
**R. Leker**, S. Messe, G. Erus, M. Billelo, M. Fanning, M. Acker, E. Massaro, T. Floyd, S. Kassner (*Israel*)
- 16:50 EMBOLIC STROKE OF UNKNOWN SOURCE IN PATIENTS WITH ATRIAL SEPTUM DEFECT AND PATENT FORAMEN OVALE: DIFFERENCE AND SIMILARITIES  
**C. Delabays**, C. Pamela, E. Eeckhout, D. Alain, E. Ashraf, M. Patrik (*Switzerland*)
- 17:00 TIMING OF INITIATION OF ORAL ANTICOAGULANTS IN PATIENTS WITH ACUTE ISCHEMIC STROKE AND ATRIAL FIBRILLATION - THE OBSERVATIONAL PRE-TIMING STUDY  
**S. Asberg**, B. Norrving, Z. Hijazi, J. Oldgren, P. Ohagen, T. Andreas (*Sweden*)
- 17:10 OPTIMAL TIMING OF INITIATING ANTICOAGULANT TREATMENT FOLLOWING INTRACEREBRAL HAEMORRHAGE IN PATIENTS WITH ATRIAL FIBRILLATION. A NATIONWIDE SWEDISH OBSERVATIONAL STUDY  
**J. Pennlert**, R. Overholser, K. Asplund, B. Carlberg, B. Van Rompaye, P.G. Wiklund, M. Eriksson (*Sweden*)
- 17:20 EARLY START OF NOAC AFTER AN ACUTE CEREBROVASCULAR EVENT - RISK OF INTRACRANIAL HEMORRHAGE AND RECURRENT EVENTS: PROSPECTIVE REAL-LIFE COHORT STUDY FROM THE NOACISP REGISTRY  
**D. Seiffge**, C. Traenka, A. Polymeris, L. Hert, R. Sutter, N. Peters, P. Lyrer, L. Bonati, S. Engelter, G.M. De Marchis (*Switzerland*)

- 17:30 FREQUENCY AND ASSOCIATIONS OF FAILURE TO ANTICOAGULATE FOR ATRIAL FIBRILLATION PRIOR TO ISCHAEMIC STROKE AND TIA: PROSPECTIVE MULTI CENTRE COHORT STUDY  
**D. Wilson**, A. Charidimou, C. Shakeshaft, G. Ambler, M. White, H. Cohen, T. Yousry, R. Al-Shahi Salman, G.Y. Lip, M.M. Brown, H.R. Jager, D.J. Werring  
*(United Kingdom)*
- 17:40 COMPARISONS OF OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION OR REQUIRING CAROTID ENDARTERECTOMY: RESULTS FROM THE TRIPLE ANTIPLATELETS FOR REDUCING DEPENDENCY AFTER ISCHAEMIC STROKE (TARDIS) TRIAL  
L. Woodhouse, J. Appleton, R. Dineen, N. Sprigg, **P. Bath** *(United Kingdom)*
- 17:50 STROKE SUB-TYPE, TOPOGRAPHY AND MODIFIED RANKIN SCORE (MRS) IN PATIENTS WITH SUB CLINICAL ATRIAL FIBRILLATION: RESULTS FROM THE ASSERT STUDY  
**K. Perera**, J. Wang, M. Sharma, J. Healey, S. Connolly *(Canada)*

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## 16:30 - 18:00

## Hall G

### TEACHING COURSES / WORKSHOPS: JOINT ESNCH-ESO SESSION: NEUROSONOLOGICAL DIAGNOSIS: HANDS-ON WORKSHOP (PART 2)

 (Tickets are required)

Chair: **C. Baracchini** *(Italy)*

Chair: **E. Azevedo** *(Portugal)*

- 16:30 CAROTID EVALUATION FOR ARTERIOSCLEROTIC OCCLUSIVE DISEASE  
**E. Vicenzini** *(Italy)*
- 16:50 ULTRASOUND EVALUATION OF BRAIN DEATH  
**S. Schreiber** *(Germany)*
- 17:10 ROLE OF ULTRASOUND IN POSTERIOR CIRCULATION OF STROKE  
**C. Baracchini** *(Italy)*
- 17:30 PRACTICAL DEMONSTRATION OF TCCD SONOGRAPHY  
**E. Bartels** *(Germany)*

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**16:30 - 18:00**

**Hall H**

**TEACHING COURSES / WORKSHOPS: STROKE UNIT CARE**

 **(Tickets are required)**

Chair: **J. Kõrv** (*Estonia*)

Chair: **P. Langhorne** (*United Kingdom*)

16:30 HOW TO ACHIEVE STROKE UNIT CERTIFICATION (ESO MODEL)

**P. Lyrer** (*Switzerland*)

16:50 MONITORING CLINICALLY AND WITH DEVICES: HOW MUCH,  
HOW LONG?

**A. Meretoja** (*Finland*)

17:10 SCIENCE AND PRACTICE OF BASIC STROKE UNIT CARE: VITAL  
SIGNS, MOBILISATION, DYSPHAGI

**J. Kõrv** (*Estonia*)

17:30 HOW TO USE QUALITY INDICATORS AND MINI-AUDITS TO  
IMPROVE STROKE UNIT CARE

**P. Langhorne** (*United Kingdom*)

17:50 DISCUSSION

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**18:00 - 19:00**

**Hall B**

**ESO GENERAL ASSEMBLY (ESO Members/Fellows Only)**

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**18:00 - 19:00**

**Poster Area**

**POSTER NETWORKING & POSTER WALKS**



**ESOC** 2016  
10-12 May, Barcelona

# Scientific Programme

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# Thursday, 12 May



**The 2<sup>nd</sup> European Stroke  
Organisation Conference 2016**

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10-12 May, 2016 | Barcelona, Spain





# THURSDAY, 12 MAY

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**8:30 - 10:00**

**Hall A**

## FOCUSED CLINICAL TOPICS: INTRACEREBRAL HAEMORRHAGE

Convenor: **K. Klijn** (*Netherlands*)

Convenor: **H. Christensen** (*Denmark*)

8:30 ADVANCES IN INVESTIGATING ICH

**C. Cordonnier** (*France*)

8:45 ACUTE MEDICAL MANAGEMENT OF ICH

**C. Stapf** (*France*)

9:00 ACUTE SURGICAL TREATMENT OF ICH AND IVH

**D. Hanley** (*USA*)

9:15 UPDATE ON MANAGEMENT OF ANTICOAGULATION-RELATED ICH  
– IMPACT OF ANTIDOTES

**P.W. Kamphuisen** (*Netherlands*)

9:30 CEREBRAL AMYLOID ANGIOPATHY

**A. Charidimou** (*United Kingdom*)

9:45 DISCUSSION

**8:30 - 10:00**

**Hall B**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): ACUTE ENDOVASCULAR TREATMENT: BEYOND THE TRIALS**

Chair: **P. Bath** (*United Kingdom*)

Chair: **A.V. Alexandrov** (*USA*)

- 8:30 MECHANICAL THROMBECTOMY WITH THE EMBOLUS RETRIEVER WITH INTERLINKED CAGES IN ACUTE ISCHAEMIC STROKE: ERIC, THE NEW BOY IN THE CLASS

**H. Steglic**-**Arnholm**, D. Kondziella, A. Wagner, M.E. Cronqvist, K. Hansen, T.C. Truelsen, L.H. Krarup, J.L. Højgaard, S. Taudorf, H.K. Iversen, D.W. Krieger, M. Holtmannspötter (*Denmark*)

- 8:40 CLINICAL OUTCOMES IN ACUTE STROKE PATIENTS TREATED WITH MECHANICAL THROMBECTOMY: COMPARISON BETWEEN SOLUMBRA AND ADAPT TECHNIQUES

J. Delgado Almandoz, Y. Kayan, **M. Young**, J. Fease, J. Scholz, A. Milner, T. Hehr, P. Roohani, M. Mulder, R. Tarrel (*USA*)

- 8:50 IMPACT OF COMPLETE REPERFUSION (TICI 3) COMPARED TO NEAR COMPLETE REPERFUSION ON CLINICAL OUTCOME IN CAROTID-SYLVIAN ACUTE ISCHEMIC STROKE TREATED WITH MECHANICAL THROMBECTOMY

**C. Dargazanli**, M. Barral, B. Lapergue, H. Redjem, J.P. Desilles, G. Ciccio, S. Smajda, P. Guedin, P. Paraschakis, H. Takezawa, G. Rodesch, R. Blanc, M. Piotin (*France*)

- 9:00 ENDOVASCULAR THERAPY FOR ISCHAEMIC STROKE: SAVE A MINUTE - SAVE A WEEK

**A. Meretoja**, M. Keshtkaran, T. Tatlisumak, G. Donnan, L. Churilov (*Finland*)

- 9:10 PERFORMING CT ANGIOGRAPHY IMMEDIATELY AFTER NCCT IS ASSOCIATED WITH SHORTER TIME TO STROKE INTERVENTION

**O. Zaidat**, B. Mehta, A. Yoo, R. Von Kummer, P. Khatri, R. Gupta, D. Lopes, D. Frei, H. Shownkeen, D. Meyer, V. Bach, H. Buell, S. Kuo, A. Bose, S.P. Sit, J. Mocco (*USA*)

- 9:20 CT ANGIOGRAPHY DELAYS GROIN PUNCTURE IN MECHANICAL THROMBECTOMY FOR LARGE VESSEL OCCLUSION IN STROKE

**K. Atchaneeyasakul**, A. Tipirneni, P. Khandelwal, V. Saini, R. Ronca, S. Lord, K. Ramdas, L. Guada Delgado, D. Yavagal (*USA*)

- 9:30 VALUE OF NIHSS ITEM PROFILES AND PREHOSPITAL STROKE SCALES TO IDENTIFY PATIENTS WITH LARGE ANTERIOR VESSEL OCCLUSION DESPITE MODERATE STROKE SEVERITY - RESULTS FROM SITS-ISTR  
**J.F. Scheitz**, A.H. Abdul-Rahim, R.L. MacIsaac, C. Cooray, H. Sucharew, D.O. Kleindorfer, P. Khatri, J. Broderick, H.J. Audebert, N. Ahmed, N. Wahlgren, M. Endres, C.H. Nolte, K.R. Lees (*Germany*)
- 9:40 TOWARDS PERSONALIZED TREATMENT CHOICE IN INTRA-ARTERIAL TREATMENT FOR ACUTE ISCHEMIC STROKE: DEVELOPMENT OF A CLINICAL DECISION AID  
**E. Venema**, M. Mulder, H. Lingsma, B. Roozenbeek, O. Berkhemer, E. Steyerberg, Y. Roos, R. Van Oostenbrugge, W. Van Zwam, C. Majoie, A. Van der Lugt, D. Dippel (*Netherlands*)
- 9:50 CLOT BURDEN SCORE: A MEANS FOR PATIENT SELECTION?  
**K.M. Treurniet**, O.A. Berkhemer, H.F. Lingsma, P.S.S. Fransen, D. Beumer, L.A. Van den Berg, W. Van Zwam, A. Van der Lugt, R.J. Van Oostenbrugge, Y.B.W.E.M. Roos, D.W.J. Dippel, H.A. Marquering, C.B.L.M. Majoie (*Netherlands*)

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## 8:30 - 10:00

## Hall C

### FOCUSED RESEARCH TOPICS: OPTIMISING TRANSLATION FROM BENCH TO BEDSIDE

Convenor: **M. Macrae** (*United Kingdom*)

Convenor: **M. Fisher** (*USA*)

- 8:30 ARE ANIMAL STROKE STUDIES OF ANY USE?  
**M. Macleod** (*United Kingdom*)
- 8:45 DO WE HAVE EXAMPLES OF GOOD TRANSLATION FROM OTHER DISEASES?  
**W. Schäbitz** (*Germany*)
- 9:00 HARMONISING THE MODELLING OF ISCHAEMIC STROKE  
**A.M. Planas** (*Spain*)
- 9:15 MULTICENTRE RANDOMISED PHASE III PRECLINICAL TRIALS  
**E. Sena** (*United Kingdom*)
- 9:30 WHAT EVIDENCE DO WE HAVE TO CLIMB THE STAIR RECOMMENDATIONS?  
**M. Fisher** (*USA*)
- 9:45 DISCUSSION

**8:30 - 10:00**

**Hall D**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): STROKE PROGNOSIS**

Chair: **D. McCabe** (*Ireland*)

Chair: **B. Ovbiagele** (*USA*)

- 8:30 BETA-BLOCKERS, INFECTION AND OUTCOME IN ACUTE STROKE  
**W. Westendorp**, J.D. Vermeij, M. Brouwer, Y. Roos, P. Nederkoorn, D. Van de Beek (*Netherlands*)
- 8:40 THE 12-YEAR RISK OF STROKE AND CORONARY EVENTS AFTER FOCAL AND NON-FOCAL TRANSIENT NEUROLOGICAL ATTACKS: A POPULATION-BASED STUDY  
**M.A. Tuna**, L. Li, A. Tornada, L. Gaziano, S. Gutnikov, Z. Mehta, P. Rothwell (*United Kingdom*)
- 8:50 PREDICTIVE VALUE OF ABCD2 AND ABCD3-I SCORES IN TIA AND MINOR STROKE IN THE STROKE UNIT SETTING  
**M. Knoflach**, W. Lang, L. Seyfang, F. Elisabeth, S. Oberndorfer, G. Daniel, T. Seifert-Held, M. Brainin, S. Krebs, B. Matosevic, T. Toell, S. Kiechl, J. Willeit, J. Ferrari (*Austria*)
- 9:00 DEVELOPMENT OF A PREDICTION MODEL FOR MAJOR BLEEDING IN PATIENTS WITH CEREBRAL ISCHAEMIA  
**N. Hilken**, A. Algra, H.C. Diener, L. Csiba, W. Hacke, J. Kappelle, P. Koudstaal, D. Leys, J.L. Mas, R. Sacco, J. Sivenius, J. Greving (*Netherlands*)
- 9:10 ASTRAL PROGNOSTIC SCORE HAS A HIGH PROGNOSTIC ACCURACY IN DIFFERENT ISCHAEMIC STROKE MECHANISMS  
**V. Papavasileiou**, G. Ntaios, C. Weimar, K.R. Lees, N. Kakaletsis, K. Vemmos, E. Manios, D. Strbian, T. Tatlisumak, J.H. Heo, T.J. Song, D.J.I.J. Seiffge, J. Ferrari, S. Moulin, B. Yan, B.J. Weder, C.W. Cereda, E. Mori, M. Kurniawan, P. Michel (*Austria*)
- 9:20 ASTRAL PROGNOSTIC SCORE HAS A HIGH PROGNOSTIC ACCURACY IN BOTH THROMBOLYZED AND NON-THROMBOLYZED PATIENTS WITH ACUTE ISCHAEMIC STROKE  
**V. Papavasileiou**, G. Ntaios, C. Weimar, K.R. Lees, A. Eskandari, K. Vemmos, E. Manios, D. Strbian, T. Tatlisumak, J.H. Heo, T.J. Song, D.J. Seiffge, J. Ferrari, S. Moulin, B. Yan, B.J. Weder, C.W. Cereda, E. Mori, M. Kurniawan, P. Michel (*Austria*)
- 9:30 ASTRAL, DRAGON & SEDAN SCORES PREDICT STROKE OUTCOME MORE ACCURATELY THAN PHYSICIANS  
G. Ntaios, F. Gioulekas, **V. Papavasileiou**, D. Strbian, P. Michel (*United Kingdom*)

- 9:40 PROGNOSTIC IMPORTANCE OF THE ECHOGRAPHIC RISK INDEX OF CAROTID ATHEROSCLEROSIS (ERICA) : A MULTICENTER SWISS STUDY ON ASYMPTOMATIC 60-80% OR SYMPTOMATIC 50-69% CAROTID STENOSES  
**R. Sztajzel**, H. Muller, S. Engelter, L. Bonati, P. Lyrer, G. Kägi, M. Kapauer, M.L. Mono, K. Nedeltchev, R. Baumgartner, L. Hirt, C. Bonvin (*Switzerland*)
- 9:50 ONE-MONTH MODIFIED RANKIN SCORE (MRS) PREDICTS FIVE-YEAR DISABILITY, DEATH, AND HEALTHCARE COSTS IN ISCHAEMIC STROKE: IMPLICATIONS FOR OUTCOME MEASUREMENT IN HYPERACUTE STROKE TRIALS  
**A. Ganesh**, R. Luengo-Fernandez, R.M. Wharton, S.A. Gutnikov, L.E. Silver, Z. Mehta, P.M. Rothwell, O.B.O. The Oxford Vascular Study (*Canada*)
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**8:30 - 10:00**

**Hall E**

## FOCUSED CLINICAL TOPICS: ESO GUIDELINES

Convenor: **T. Steiner** (*Germany*)

Convenor: **G. Ntaios** (*Greece*)

- 8:30 INTERDISCIPLINARY EUROPEAN GUIDELINE 'ORGANIZATION OF ACUTE ENDOVASCULAR TREATMENT IN STROKE CENTERS' (INGETS)  
**A. Kobayashi** (*Poland*)
- 8:50 HOW, WHEN, AND WHICH ANTIDOTE TO USE IN PATIENTS ON NOVEL ORAL ANTICOAGULANTS  
**T. Steiner** (*Germany*)
- 9:10 ESC GUIDELINE ON ATRIAL FIBRILLATION  
**H. Diener** (*Germany*)
- 9:30 ESO GUIDELINE ON MANAGEMENT OF EPILEPSY IN STROKE  
**M. Holtkamp** (*Germany*)
- 9:50 DISCUSSION

**8:30 - 10:00**

**Hall F**

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): LANGUAGE AND COGNITION**

Chair: **D. Leys** (*France*)

Chair: **T. Quinn** (*United Kingdom*)

- 8:30 RISK PREDICTION OF LONG-TERM COGNITIVE IMPAIRMENT AFTER STROKE  
**M. Fahey**, G. Emanuel, A.G. Rudd, C.D. Wolfe, A. Douiri (*United Kingdom*)
- 8:40 SPEECH AND LANGUAGE THERAPY (SLT) FOR APHASIA AFTER STROKE: COCHRANE SYSTEMATIC REVIEW EVIDENCE OF THERAPY REGIMENS, DELIVERY MODELS AND THEORETICAL APPROACHES  
**M. Brady**, P. Enderby, H. Kelly, J. Godwin, P. Campbell (*United Kingdom*)
- 8:50 EFFECT OF SOCIAL NETWORKS ON COGNITION AFTER STROKE: THE SOUTH LONDON STROKE REGISTER (SLSR)  
A. Sahir, C. McKevitt, A.G. Rudd, C.D.A. Wolfe, **Y. Wang** (*United Kingdom*)
- 9:00 LOW ANKLE-BRACHIAL INDEX IS ASSOCIATED WITH POOR COGNITION IN ASYMPTOMATIC HYPERTENSIVE INDIVIDUALS  
**I. Riba Llena**, J. Jiménez-Baladó, X. Mundet, J.L. Fernández, H. Ostos, F. Pujadas, B. Gutiérrez, J. Montaner, P. Delgado (*Spain*)
- 9:10 REMOTE STRUCTURAL BRAIN CHANGES ARE ASSOCIATED WITH COGNITIVE DECLINE IN ELDERLY WITH SMALL VESSEL DISEASE  
**K. Wiegertjes**, E.M.C. Van Leijssen, M. Bergkamp, I. Van Uden, A.M. Tuladhar, F.E. De Leeuw (*Netherlands*)
- 9:20 SMALL VESSEL DISEASE IS ASSOCIATED WITH DELAYED-ONSET DEMENTIA AFTER STROKE/TRANSIENT ISCHEMIC ATTACK: THE STROKE REGISTRY INVESTIGATING COGNITIVE DECLINE (STRIDE) STUDY  
**V.C.T. Mok**, B.Y.K. Lam, Z. Wang, W. Liu, L.W.C. Au, W.C.W. Chu, E.Y.L. Leung, S. Chen, A. Chan, A.Y.L. Lau, L. Shi, F. Fan, S.H. Ma, V. Ip, Y.O.Y. Soo, T.W.H. Leung, C.L. Ho, L. Wong, A. Wong (*Hong Kong- China*)
- 9:30 ASSOCIATION BETWEEN LESION LOCATION AND COGNITION EARLY AFTER STROKE: A VOXEL-BASED LESION-SYMPATOM MAPPING STUDY IN CHINESE POPULATION  
**L. Zhao**, J.M. Biesbroek, L. Shi, W. Liu, A. Wong, H.J. Kuijf, G.J. Biessels, V.C.T. Mok (*Hong Kong- China*)

- 9:40 PROGRESSION OF DIFFUSION TENSOR IMAGING PREDICTS COGNITIVE DECLINE AND DEMENTIA CONVERSION IN CEREBRAL SMALL VESSEL DISEASE: THE SCANS STUDY  
**E. Zeestraten**, P. Benjamin, A. Lawrence, C. Lambert, A. Mackinnon, R. Morris, T. Barrick, H. Markus (*United Kingdom*)
- 9:50 MRI-VISIBLE PERIVASCULAR SPACE LOCATION DISTINGUISHES ALZHEIMER'S DISEASE FROM SUBCORTICAL VASCULAR COGNITIVE IMPAIRMENT INDEPENDENTLY OF AMYLOID BURDEN  
**G. Banerjee**, H.J. Kim, Z. Fox, H.R. Jäger, A. Charidimou, D. Wilson, H.K. Na, D.L. Na, S.W. Seo, D. Werring (*United Kingdom*)
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**8:30 - 10:00**

**Hall G**

**TEACHING COURSES / WORKSHOPS: JOINT ESMINT-ESNR-ESO SESSION: NEUROINTERVENTION WORKSHOP**

 (Tickets are required)

Chair: **L. Pierot** (*France*)

Chair: **O. Jansen** (*Germany*)

**Christophe Cognard** (*France*)

**David Fiorella** (*USA*)



**8:30 - 10:00**

**Hall H**

**TEACHING COURSES / WORKSHOPS: VASCULAR NEURO-OPHTHALMOLOGY**

 (Tickets are required)

Chair: **A. Kesler** (*Israel*)

Chair: **A. Kawasaki** (*Switzerland*)

8:30 ISCHAEMIC OPTIC NEUROPATHY

**A. Kesler** (*Israel*)

8:50 ISCHAEMIC CAUSES OF EYE MOVEMENT DISORDERS

**A. Kawasaki** (*Switzerland*)

9:10 MANAGEMENT OF PATIENT WITH TRANSIENT VISUAL LOSS

**G. Akdar** (*Turkey*)

9:30 DISORDER OF HIGHER CORTICAL FUNCTIONS

**D. Ffytche** (*United Kingdom*)

9:50 DISCUSSION

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**10:00 - 10:30**

**Exhibition Area**

**COFFEE BREAK, EXHIBITION**

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**10:30 - 12:00**

**Hall B**

**FOCUSED CLINICAL TOPICS: SUBARACHNOID  
HAEMORRHAGE & INTRACRANIAL VASCULAR  
MALFORMATIONS**

Convenor: **G. Rinkel** (*Netherlands*)

Convenor: **I. Wanke** (*Switzerland*)

10:30 BALANCING PROS AND CONS OF PREVENTIVE INTERVENTION  
FOR UNRUPTURED ANEURYSMS

**G. Rinkel** (*Netherlands*)

10:44 DISCUSSION

10:48 NEW ENDOVASCULAR TECHNIQUES IN ANEURYSM TREATMENT

**I. Wanke** (*Switzerland*)

11:02 DISCUSSION

11:06 SUBARACHNOID HAEMORRHAGE: NEUROLOGICAL MANAGEMENT  
BEFORE ADMISSION IN A NEUROSURGICAL CENTRE

**H. Patel** (*United Kingdom*)

11:20 DISCUSSION

11:24 CEREBRAL CAVERNOUS MALFORMATIONS: A COMMON CONUNDRUM

**R. Al-Shahi Salman** (*United Kingdom*)

11:38 DISCUSSION

11:42 MANAGEMENT OF DURAL FISTULA

**J. Blasco** (*Spain*)

11:56 DISCUSSION

10:30 - 12:00

Hall A

## SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): LATE BREAKING CLINICAL TRIALS

Chair: **V. Caso** (*Italy*)

Chair: **P. Michel** (*Switzerland*)

- 10:30 DO WAKE-UP STROKES DIFFER FROM OTHER STROKES OF UNKNOWN ONSET? BASELINE VARIABLES AND RESPONSE TO IV ALTEPLASE FROM THE MULTICENTER MR WITNESS TRIAL (NCT01282242)  
**S. Warach**, O. Wu, S. Song, L. Latour, A. Ford, A. Hsia, A. Amuzikansky, R. Betensky, M. Lev, P. Pedro, G. Boulouis, G. Harris, L. Arne, A. Yoo, L. Schwamm (*USA*)
- 10:40 LONG TERM OUTCOME AFTER INTRA-ARTERIAL TREATMENT FOR ACUTE ISCHEMIC STROKE - TWO YEAR CLINICAL FOLLOW-UP OF THE MR CLEAN TRIAL  
L. Van den Berg, M. Dijkgraaf, O. Berkhemer, P. Fransen, D. Beumer, H. Lingsma, C. Majoie, D. Dippel, A. Van der Lugt, R. Van Oostenbrugge, W. Van Zwam, **Y. Roos** (*Netherlands*)
- 10:50 STENT-RETRIEVERS VS. MEDICAL THERAPY VS. INTRAVENOUS THROMBOLYSIS IN LARGE VESSEL OCCLUSION STROKES (SMILOS): A POOLED, PATIENT LEVEL COMPARISON STUDY BASED ON HISTORICAL CLINICAL TRIAL DATA  
**R. Nogueira**, R. Macisaac, J. Saver, P. Khatri, V.E. SMILOS Investigators (*USA*)
- 11:00 RESULTS FROM ACTION: A MULTICENTRE, DOUBLE-BLIND, PLACEBO-CONTROLLED, RANDOMISED PHASE 2 CLINICAL TRIAL OF NATALIZUMAB IN ACUTE ISCHAEMIC STROKE (AIS)  
J. Elkins, M. Elkind, **R. Veltkamp**, J. Montaner, S.C. Johnston, A. Singhal, K. Becker, M. Lansberg, I. Chang, W. Tang, S. Gheuens, L. Mehta (*United Kingdom*)
- 11:10 IMATINIB IN ACUTE STROKE STUDY (I-STROKE) OF PATIENTS TREATED WITH INTRAVENOUS THROMBOLYSIS WITHIN 4.5 HOURS AFTER ISCHAEMIC STROKE ONSET – A RANDOMISED CONTROLLED TRIAL  
**N. Wahlgren**, M. Thorén, B. Höjeberg, T.B. Käll, C. Sjöstrand, A.C. Laska, J. Höijer, H. Almqvist, S. Holmin, A. Lilja, L. Fredriksson, D. Lawrence, U. Eriksson, N. Ahmed (*Sweden*)

- 11:20 EFFECT OF PCC AND FFP ON HEMATOMA EXPANSION IN INTRACRANIAL HAEMORRHAGE RELATED TO VITAMIN-K-ANTAGONISTS AND INFLUENCE OF BLOOD PRESSURE, INCH - A RANDOMIZED CONTROLLED TRIAL  
**T. Steiner**, J. Hüsing, S. Poli, M. Griebel, J. Hajda, M. Bendszus, J. Bösel, H. Christensen, C. Dohmen, A. Freiburger, J. Kollmer, H. Stetefeld, K. Wartenberg, C. Weimar, W. Hacke, R. Veltkamp (*Germany*)
- 11:30 TRIAL OF EARLY ANTICOAGULATION WITH RIVAROXABAN VERSUS WARFARIN IN PATIENTS WITH ATRIAL FIBRILLATION AND ACUTE CEREBRAL ISCHEMIA  
**K.S. Hong**, J.S. Lee, Y.J. Kim, Y.D. Kim, H.G. Kang, M.S. Park, E.G. Kim, B.W. Yoon, D.W. Kang, S.H. Lee, S.U. Kwon (*Republic of Korea*)
- 11:40 LEFT ATRIAL APPENDAGE OCCLUSION VERSUS STANDARD MEDICAL CARE IN PATIENTS WITH ATRIAL FIBRILLATION AND INTRACEREBRAL HEMORRHAGE: A PROPENSITY SCORE MATCHED FOLLOW-UP STUDY  
**S.P. Johnsen**, J.E. Nielsen-Kudsk, M. Rosenqvist, P. Wester, D. Damgaard, J. Lund, O. De Backer, S. Pakarinen, J. Odenstedt, S. Vikman, B. Sahlgren, O. Kongstad, D. Krieger (*Denmark*)
- 11:50 24/7 IN-AMBULANCE TELESTROKE: RESULTS FROM THE PRE-HOSPITAL STROKE STUDY AT THE UNIVERSITAIRE ZIEKENHUIS BRUSSEL II (PRESSUB II)  
**R. Brouns**, R.J. Van Hooff, A. De Smedt, M. Moens, A. Valenzuela Espinoza, D. Lauwaert, S. Neyrinck, K. Nieboer, J. De Mey, H. Fernandez Tellez, A. Convents, R. Van de Casseye, S. Steurbaut, P. Cornu, A. Dupont, K. Putman, I. Hubloue, J. De Keyser (*Belgium*)

**10:30 - 12:00**

**Hall C**

**FOCUSED CLINICAL TOPICS: IMMUNE RESPONSE IN STROKE**

Convenor: **Á. Chamorro** (*Spain*)

Convenor: **X. Urra** (*Spain*)

10:30 CEREBRAL LEUKOCYTE INVASION AFTER STROKE – WHAT THE CLINICIAN NEEDS TO KNOW

**X. Urra** (*Spain*)

10:45 THROMBOINFLAMMATION: A NOVEL TARGET IN THE RECANALIZATION ERA?

**P. Kraft** (*Germany*)

11:00 PERIPHERAL IMMUNE ALTERATIONS AFTER CLINICAL AND EXPERIMENTAL STROKE

**A. Liesz** (*Germany*)

11:15 RESULTS OF THE ACTION TRIAL: NATALIZUMAB FOR ACUTE STROKE PATIENTS

**R. Veltkamp** (*United Kingdom*)

11:30 STROKE-ASSOCIATED PNEUMONIA

**A. Meisel** (*Germany*)

11:45 DISCUSSION

**10:30 - 12:00**

**Hall D**

## **FOCUSED RESEARCH TOPICS: YOUNG STROKE PHYSICIANS AND RESEARCHERS**

Convenor: **J. Minnerup** (*Germany*)

Convenor: **A. Webb** (*United Kingdom*)

10:30 BASIC SCIENCE STROKE STUDIES: SUCCESS FROM BENCH TO BEDSIDE

**Mentor: J. Montaner** (*Spain*)

10:45 TIPS ON SETTING UP AND RUNNING A SUCCESSFUL CLINICAL TRIAL

**Mentor: B. Norrving** (*Sweden*)

11:00 REPERFUSION INJURY AFTER STROKE STUDY (RISKS STUDY)

**B. Piccardi**, M. Nesi, F. Arba, V. Palumbo, P. Nencini, B. Giusti, A.M. Gori,  
D. Gadda, S. Nannoni, G. Pracucci, A. Fanelli, S. Mangiafico, S. Vanni,  
L. Pantoni, C. Sarti, M. Lamassa, A. Poggesi, F. Pescini, R. Abbate, D. Inzitari (*Italy*)

11:10 DISCUSSION

11:15 CRYPTOGENIC STROKE IN ATRIAL FIBRILLATION - THE NORDIC  
ATRIAL FIBRILLATION AND STROKE STUDY (NOR-FIB)

**B. Ratajczak-tretel**, A.H. Aamodt, H. Johansen, D. Atar, B. Halvorsen,  
E.C. Sandset, H. Naess, H. Tobro, W. Ghanima, T. Idicula, T.C. Truelsen,  
D. Russell (*Norway*)

11:25 DISCUSSION

11:30 THE ASPHALT PROJECT: RATIONALE AND DESIGN OF A  
RANDOMIZED CONTROLLED TRIAL EVALUATING THE COST-  
UTILITY OF A MOBILE STROKE UNIT IN THE ERA OF BRIDGING THERAPY

**G. Turc**, C. Cordonnier, A. Ricard-Hibon, S. Dubourdieu, C. Oppenheim,  
H. Chabriat, O. Naggara, R. Poll, S. Descombes, I. Girard-Buttaz, Y. Samson,  
S. Alamowitch, P. Amarenco, X. Leclerc, M. Obadia, P. Goldstein, G. Chatellier,  
I. Durand-Zaleski, J.L. Mas, B. Vivien (*France*)

11:40 DISCUSSION

11:45 PREHOSPITAL HEART RATE VARIABILITY IN PATIENTS WITH  
SUSPICION OF ACUTE STROKE: PREDICTIVE AND DIAGNOSTIC VALUE

**L. Yperzeele**, R.J. Van Hooff, P. Vanacker, K. Monsieurs, I. Hubloue, P. Cras,  
R. Brouns (*Belgium*)

11:55 DISCUSSION

**10:30 - 12:00**

**Hall E**

**FOCUSED CLINICAL TOPICS: JOINT EAN-ESO SESSION:  
STROKE & MIGRAINE, SLEEP, EPILEPSY**

Convenor: **F. Fazekas** (*Austria*)

Convenor: **E. Touzé** (*France*)

10:30 MIGRAINE AND STROKE

**G. Terwindt** (*Netherlands*)

10:50 SLEEP AND STROKE

**C. Bassetti** (*Switzerland*)

11:10 STROKE AND EPILEPSY

**J.L. De Reuck** (*Belgium*)

11:30 WORK, STRESS, AND STROKE

**M. Kivimäki** (*United Kingdom*)

11:50 DISCUSSION

10:30 - 12:00

Hall F

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): SMALL VESSEL DISEASE**

Chair: **D. Werring** (*United Kingdom*)

Chair: **J. Wardlaw** (*United Kingdom*)

- 10:30 AGE-SPECIFIC ROLE OF PREMORBID BLOOD PRESSURE IN PATIENTS WITH SMALL VESSEL TIA AND STROKE: A POPULATION-BASED STUDY  
**L. Li**, L. Bull, S. Welch, P.M. Rothwell On behalf of the Oxford Vascular Study  
(*United Kingdom*)
- 10:40 THE RISE AND FALL OF CEREBRAL SMALL VESSEL DISEASE - THE RUN DMC STUDY  
**E. Van Leijsen**, I. Van Uden, M. Ghafoorian, M. Bergkamp, V. Lohner, E. Kooijmans, H. Van der Holst, R. Arntz, A. Tuladhar, D. Norris, E. Van Dijk, K. Klijn, B. Platel, F.E. De Leeuw (*Netherlands*)
- 10:50 RECENT SMALL SUBCORTICAL INFARCTS ARE RELATED WITH PROGRESSION OF CEREBRAL SMALL VESSEL DISEASE: A NINE YEARS FOLLOW-UP STUDY  
**A. Ter Telgte**, A. Tuladhar, P. Barbosa Oliveira, R. Maas, M. Bergkamp, H. Van der Holst, E. Van Leijsen, I. Van Uden, M. Ghafoorian, B. Platel, D. Norris, E. Van Dijk, F.E. De Leeuw (*Netherlands*)
- 11:00 SMALL VESSEL DISEASE AND COGNITION IN FIRST EVER STROKE PATIENTS: RESULTS FROM THE TABASCO STUDY  
E. Kliper, J. Molad, E. Ben Assayag, L. Shopin, A. Korczyn, **N. Bornstein**, E. Auriel (*Israel*)
- 11:10 PREVALENCE AND ASSOCIATIONS OF MRI MARKERS OF SMALL VESSEL DISEASE IN ISCHAEMIC STROKE AND TIA ASSOCIATED ATRIAL FIBRILLATION: BASELINE CHARACTERISTICS OF THE CROMIS-2 STUDY  
**D. Wilson**, A. Charidimou, G. Ambler, C. Shakeshaft, M. White, R. Al-Shahi Salman, H. Cohen, T. Yousry, G.Y.H. Lip, M.M. Brown, H.R. Jager, D.J. Werring  
(*United Kingdom*)
- 11:20 WHITE MATTER ATROPHY AND LOSS OF WHITE MATTER INTEGRITY ARE ASSOCIATED WITH GAIT DECLINE IN OLDER ADULTS WITH CEREBRAL SMALL VESSEL DISEASE  
**E. Van der Holst**, A. Tuladhar, I. Van Uden, K. De Laat, E. Van Leijsen, M. Ghafoorian, B. Platel, M. Bergkamp, A. Van Norden, D. Norris, E. Van Dijk, F.E. De Leeuw (*Netherlands*)



- 11:30 THE RISK OF PARKINSONISM IN PATIENTS WITH SMALL VESSEL DISEASE. RESULTS OF 9-YEAR FOLLOW-UP IN THE RUN DMC STUDY  
**M.I. Bergkamp**, H.M. Van der Holst, E.M.C. Van Leijsen, A.M. Tuladhar, I.W.M. Van Uden, K.F. De Laat, A.G.W. Van Norden, E.J. Van Dijk, R.A.J. Esselink, F.E. De Leeuw (*Netherlands*)
- 11:40 TOPOGRAPHIC DISTRIBUTION OF LACUNES IN CEREBRAL AMYLOID ANGIOPATHY AND HYPERTENSIVE DEEP INTRACEREBRAL HEMORRHAGE  
**M. Pasi**, G. Boulouis, A. Charidimou, A. Eitan, K. Haley, A. Ayres, K.M. Schwab, J. Rosand, A. Viswanathan, L. Pantoni, S.M. Greenberg (*Italy*)
- 11:50 PATIENTS WITH MIXED LOCATION (DEEP AND LOBAR) CEREBRAL MACROBLEEDS AND MICROBLEEDS: BASELINE CHARACTERISTICS AND FOLLOW UP DATA  
**M. Pasi**, A. Charidimou, G. Boulouis, E. Auriel, K. Haley, A. Ayres, K.M. Schwab, J. Rosand, A. Viswanathan, L. Pantoni, S.M. Greenberg, E. Gurol (*Italy*)

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**10:30 - 12:00**

**Hall G**

**TEACHING COURSES / WORKSHOPS: JOINT ESMINT-ESNR-ESO SESSION: NEUROINTERVENTION WORKSHOP**

 (Tickets are required)

Chair: **L. Pierot** (*France*)

Chair: **O. Jansen** (*Germany*)

**Christophe Cognard** (*France*)

**David Fiorella** (*USA*)

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**10:30 - 12:00**

**Hall H**

**TEACHING COURSES / WORKSHOPS: 2° STROKE  
PREVENTION UPDATE**

 **(Tickets are required)**

Chair: **J. Röther** (*Germany*)

Chair: **K. Nedeltchev** (*Switzerland*)

10:30 WHICH ANTIPLATELET OR ANTICOAGULANT FOR WHICH  
PATIENT AFTER STROKE AND TIA

**J. Röther** (*Germany*)

10:50 NUTRITION AND PHYSICAL EXERCISE FOR 2° STROKE PREVENTION

**K. Nedeltchev** (*Switzerland*)

11:10 MODERN LIPID THERAPY IN STROKE PATIENTS

**V. Thijs** (*Belgium*)

11:30 MANAGEMENT OF CAROTID DISEASE IN WOMEN

**S. Chaturvedi** (*USA*)

11:50 DISCUSSION

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**12:00 - 12:10**

**SHORT BREAK**

**12:10 - 13:10**

**Hall A**

**CARE ORGANISATION: JOINT ESMINT-ESO SESSION:  
ISCHAEMIC STROKE - ENDOVASCULAR TREATMENT 2**

Convenor: **I. Szikora** (*Hungary*)

Convenor: **D. Dippel** (*Netherlands*)

12:10 CLINICAL SELECTION FOR IAT

**P. Ringleb** (*Germany*)

12:22 DISCUSSION

12:25 RADIOLOGICAL SELECTION FOR IAT

**T. Andersson** (*Sweden*)

12:37 DISCUSSION

12:40 ANAESTHETIC TECHNIQUES DURING IAT

**S. Schönenberger** (*Germany*)

12:52 DISCUSSION

12:55 ANTITHROMBOTIC THERAPY DURING AND AFTER IAT

**H. Mattle** (*Switzerland*)

13:07 DISCUSSION

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**12:10 - 13:10**

**Hall B**

**CARE ORGANISATION: ALLIED HEALTH CARE 3: FURTHER  
EDUCATION OF STROKE-NURSES AND ALLIED HEALTH  
PROFESSIONALS (AHPS) IN EUROPE - EXPERIENCE FROM  
DIFFERENT EUROPEAN COUNTRIES**

Convenor: **A. Cassier-Woidasky** (*Germany*)

Convenor: **A. W. Alexandrov** (*USA*)

12:10 EDUCATIONAL OPPORTUNITIES FOR AHPS IN AUSTRIA

**M. Pinter** (*Austria*)

12:20 SCIENCE IN NURSING - IMPLEMENTING STROKE-NURSE  
EDUCATION AS A TRAINING COURSES IN A SYSTEM WITH A  
FLEXIBLE CHOICE OF MODULES

**E. Steudter** (*Switzerland*)

12:30 FURTHER EDUCATION OF STROKE-NURSES AND SWALLOWING-  
THERAPISTS IN COOPERATION WITH THE GERMAN STROKE  
SOCIETY (DSG)

**J. Glahn** (*Germany*)

12:40 WORKFORCE DEVELOPMENT AND EDUCATIONAL  
OPPORTUNITIES IN THE UK

**C.L. Watkins** (*United Kingdom*)

12:50 OPEN DISCUSSION: THE ROLE OF STROKE-NURSES AND AHPS ON  
FUTURE ESO-CONFERENCES IN ESTABLISHING AN EDUCATIONAL  
AND SCIENTIFIC PROGRAMME

12:10 - 13:10

Hall C

## SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): CEREBRAL HAEMORRHAGE 2

Chair: **C. Anderson** (*Australia*)

Chair: **G. Donnan** (*Australia*)

- 12:10 CLEAR III: PATTERNS OF EXTERNAL VENTRICULAR DRAINAGE UTILIZATION RELATE TO IVH REMOVAL AND ICP CONTROL  
**I. Awad**, W. Ziai, B. Gregson, D. Mendelow, K. Lees, J. Dawson, A. Mould, K. Lane, N. McBee, P. Keyl, J. Betz, E. Sugar, G. Yenokyan, S. Harnof, M. Rosenblum, R. Thompson, D. Hanley (*USA*)
- 12:20 SEX DIFFERENCES FOR BLOOD PRESSURE LOWERING AND OUTCOME IN INTRACEREBRAL HAEMORRHAGE: INTERACT2 RESULTS  
E.C. Sandset, **X. Wang**, C. Carcel, S. Shoichiro, C. Delcourt, H. Arima, C. Stapf, T. Robinson, P. Lavados, J. Chalmers, C.S. Anderson (*Australia*)
- 12:30 HAEMORRHAGE LOCATION INFLUENCES QUALITY OF LIFE AND DISABILITY AFTER INTRACEREBRAL HAEMORRHAGE IN THE INTERACT2 STUDY  
**C. Delcourt**, S. Sato, E. Sandset, D. Zheng, X. Chen, M. Hackett, H. Arima, E. Heeley, Y. Huang, R. Al Shahi-Salman, T. Robinson, P. Lavados, R. Lindley, C. Stapf, J. Chalmers, C. Anderson (*Australia*)
- 12:40 COMBINING MOTOR FUNCTION AND DIFFUSION TENSOR IMAGING DERIVED MEASURES PREDICT MOTOR OUTCOME IN PATIENTS WITH ACUTE INTRACEREBRAL HEMORRHAGE  
**J. Puig**, G. Blasco, M. Terceño, J. Serena, M. Hernández-Pérez, P. Daunis-i-Estadella, V. Cuba, G. Carbó, A. Alberich-Bayarri, G. Schlaug, B. Menon, M. Wintermark, S. Pedraza, Y. Silva (*Spain*)
- 12:50 IDENTIFYING SMALL VESSEL DISEASE HELPS PREDICT THE LIKELIHOOD OF AN UNDERLYING INTRACRANIAL VASCULAR MALFORMATION IN SPONTANEOUS INTRACEREBRAL HAEMORRHAGE  
**D. Wilson**, A. Ogungbemi, G. Ambler, I. Jones, H.R. Jager, D.J. Werring (*United Kingdom*)
- 13:00 PREDICTORS OF OUTCOME IN ANEURYSMAL SUBARACHNOID HAEMORRHAGE (ASAH) PATIENTS: OBSERVATIONS FROM A LARGE, CONTEMPORARY MULTI-CENTRE DATASET  
**H. Patel**, J. Galea, L. Dulhanty (*United Kingdom*)

12:10 - 13:10

Hall D

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): WOMEN AND STROKE**

Chair: **C. Cordonnier** (*France*)

Chair: **S. Sacco** (*Italy*)

- 12:10 SEX DIFFERENCES IN THROMBOLYSED STROKE PATIENTS: WISE-GROUP INITIATIVE  
**M.R. Heldner**, R. Kurmann, R. Balasubramaniam, M.L. Mono, F. Pult, K. Hsieh, S. Jung, P. Mordasini, J. Gralla, M. Arnold, U. Fischer (*Switzerland*)
- 12:20 SEX-RELATED DIFFERENCES IN RISK FACTORS, TYPE OF TREATMENT RECEIVED AND OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION AND ACUTE STROKE: RESULTS FROM THE RAF-STUDY  
**K. Antonenko**, V. Caso, On behalf of the RAF study (*Ukraine*)
- 12:30 ISCHEMIC STROKE IN WOMEN USING CONTRACEPTIVES : CAUSES, CHARACTERISTICS AND OUTCOME  
**P. Correia**, S. Machado, A. Eskandari, P. Michel (*Switzerland*)
- 12:40 SAFETY OF PREGNANCY FOLLOWING CEREBRAL VENOUS THROMBOSIS (ISCVT2 - PREGNANCY)  
**D. Aguiar de Sousa**, P. Canhão, I. Crassard, J.M. Coutinho, A. Arauz, A. Conforto, M. Giroud, J.M. Ferro, The ISCVT investigators (*Portugal*)
- 12:50 RISK OF FIRST STROKE IN AND AFTER PREGNANCY: A POPULATION-BASED COHORT STUDY FROM SWEDEN  
L. Ban, A. Abdul Sultan, O. Stephansson, L.J. Tata, **N. Sprigg**, C. Nelson-Piercy, P.M. Bath, J.F. Ludvigsson (*United Kingdom*)
- 13:00 DIFFERENCE IN OUTCOME AND RESOURCE UTILIZATION BETWEEN MEN AND WOMEN WITH HEMORRHAGIC STROKE  
**C. Willers**, I. Lekander, H. Pessah-Rasmussen, M. Von Euler (*Sweden*)

12:10 - 13:10

Hall F

**SCIENTIFIC COMMUNICATIONS (ORAL ABSTRACT PRESENTATIONS): EXPERIMENTAL STUDIES IN STROKE**

Chair: **A.M. Planas** (*Spain*)

Chair: **M. Macrae** (*United Kingdom*)

- 12:10 GUT MICROBIOTA ALTERATIONS AFTER ISCHEMIC STROKE AFFECT IMMUNE HOMEOSTASIS AND STROKE OUTCOME  
V. Singh, S. Roth, S. Bärbel, M. Dichgans, **A. Liesz** (*Germany*)
- 12:20 CEREBRAL COLLATERAL THERAPEUTICS IN EXPERIMENTAL ISCHEMIC STROKE: A RANDOMIZED PRECLINICAL TRIAL OF FOUR MODULATION STRATEGIES  
**S. Beretta**, A. Versace, D. Carone, M. Riva, V. Dell'Era, M. Laura, P. Silvia, P. Giada, F. Stiro, P. Giovanni, G. Carlo, C. Ferrarese, R. Cai (*Italy*)
- 12:30 NEOVASCULARIZATION AFTER INTRACEREBRAL HEMORRHAGE IS CONDITIONED BY THE TP53 ARG72PRO POLYMORPHISM  
**C. Rodríguez**, T. Sobrino, J. Agulla, V. Bobo-Jiménez, M.E. Ramos-Araque, J.J. Duarte, J.C. Gómez-Sánchez, J.P. Bolaños, J. Castillo, A. Almeida (*Spain*)
- 12:40 THE CHOROID PLEXUS IN POST-STROKE CEREBRAL LEUKOCYTE INVASION  
**G. Llovera**, F. Hellal, T. Arzberger, B. Engelhardt, A. Liesz (*Germany*)
- 12:50 INHIBITION OF STROKE-ELEVATED ENDOTHELIAL  $\alpha 5\beta 1$  INTEGRIN STABILIZES THE BLOOD-BRAIN BARRIER AND IS NEUROPROTECTIVE  
**D. Edwards**, J. Roberts, L. De Hoog, G. Bix (*USA*)

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**12:10 - 13:10**

**Hall H**

**TEACHING COURSES / WORKSHOPS: STRUCTURED CASE  
PRESENTATIONS: MANAGEMENT CHALLENGES**

 (Tickets are required)

Chair: **M. Mono** (*Switzerland*)

Chair: **P. Lyden** (*USA*)

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**13:15 - 14:15**

**Hall F**

**INDUSTRY SUPPORTED SESSION 15**

NOT INCLUDED IN MAIN CME/CPD EVENT. FOR DETAILS SEE PAGE 299.

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**13:15 - 15:15**

**Hall H**

**WISE SESSION: WISE - CHALLENGES FOR WOMEN IN STROKE**

Chair: **H. Christensen** (*Denmark*)

Chair: **A. Pavlovic** (*Serbia*)

13:15 CHALLENGES FOR WOMEN IN STROKE

**H. Christensen** (*Denmark*)

**C. Cordonnier** (*France*)

**A. Verdelho** (*Portugal*)

**V. Caso** (*Italy*)

14:15 BUILDING AN INTERNATIONAL WORKING GROUP ON STROKE IN  
WOMEN

**V.J. Howard** (*USA*)

14:30 WISE ACTIVITIES - DISCUSSION





**ESOC** 2016  
10-12 May, Barcelona

## Poster Session 1

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# Tuesday, 10 May



**The 2<sup>nd</sup> European Stroke  
Organisation Conference 2016**

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10-12 May, 2016 | Barcelona, Spain



Board No.

# TUESDAY, 10 MAY

## POSTER PRESENTATION: AF AND CARDIOEMBOLISM

- 001 HOSPITAL READMISSION FOR BLEEDING OR THROMBOEMBOLISM IN PATIENTS WITH NEW ONSET ATRIAL FIBRILLATION  
**D. Bista**, L. Chalmers, G. Peterson, L. Bereznicki (*Australia*)
- 002 ATRIAL FIBRILLATION IN TRANSIENT ISCHEMIC ATTACK - COMMON BUT SUBSTANTIALLY UNDERTREATED  
**F. Buchwald**, B. Norrving, J. Petersson (*Sweden*)
- 003 STROKE PREVENTION: COMMUNITY BASED 5 DAY SCREENING FOR ATRIAL FIBRILLATION IN HIGH RISK COHORTS  
**R. Coary**, R. Collins, C. Burke, J. McCourt, T. Coughlan, R. Kelly (*Ireland*)
- 004 CLINICAL PRACTICE WITH APIXABAN IN SECONDARY STROKE PREVENTION  
**A. De Felipe Mimblera**, R. Alvarez-Velasco, C. Matute Lozano, R. Vera, A. Cruz-Culebras, A. Alonso-Canovas, S. Sainz de la Maza, C. Estevez Fraga, P. Perez Torre, J. Masjuan (*Spain*)
- 005 PREVALENCE OF AND RISK FACTORS FOR SILENT BRAIN INFARCTS IN PATIENTS WITH ATRIAL FIBRILLATION USING 3T-MRI  
**I. Escudero**, R. Ocete, A. López-Rueda, P. Piñero, E. Fajardo, J.R. Fernández-Engo, F. Mancha, A. Vega, E. Zapata, M. Prieto, F.J. De la Torre, R. Rodríguez, F. Moniche, J. Montaner (*Spain*)
- 006 SPONTANEOUS SPINAL EPIDURAL HAEMATOMA DURING APIXABAN TREATMENT  
**C. Estevez-Fraga**, R. Alvarez-Velasco, A. De Felipe-Mimblera, P. Aguero-Rabes, E. Viedma-Guiard, R. Garcia-Latorre, L. Crespo-Araico, V. Nedkova, B. Escribano-Paredes, A. Cruz-Culebras, F.J. Gonzalez-Gomez, J. Masjuan-Vallejo (*Spain*)
- 007 EFFICACY OF A TARGETED ANTICOAGULATION MEDICINE REVIEW CLINIC (AMC) FOR PATIENTS WITH POOR ANTICOAGULATION CONTROL ON WARFARIN  
**P. Guyler**, S. Shah, M. Ramjee, T. Dowling, A. Patel, S. Alam, D. Sinha, I. Grunwald, L. Coward (*United Kingdom*)
- 008 STROKE PREVENTION STRATEGIES IN ATRIAL FIBRILLATION: BRIDGING THE GAP BETWEEN PRIMARY AND SECONDARY CARE  
**I. Induruwa**, E. Amis, K. Khadjooi (*United Kingdom*)

- 009 STROKE PREVENTION STRATEGIES IN ATRIAL FIBRILLATION: TACKLING THE BARRIERS TO COMMENCING ANTICOAGULATION IN PRIMARY CARE  
**I. Induruwa**, E. Amis, K. Khadjooi (*United Kingdom*)
- 010 CLINICAL FRAILITY IS A STRONG INDEPENDENT PREDICTOR OF ANTICOAGULATION PRESCRIBING HABITS FOR THE OLDER POPULATION  
**I. Induruwa**, N.R. Evans, A. Aziz, S. Reddy, K. Khadjooi, R. Romero-Ortuno (*United Kingdom*)
- 011 ELEVATION OF NT-PROBNP AND D-DIMER AS INDICATION FOR LONG-TERM HEART RHYTHM MONITORING IN PATIENTS WITH EMBOLIC STROKE OF UNDETERMINED SOURCE (ESUS)  
**P. Jansky**, O. Chudomel, H. Magerova, J. Paulas-Schwabova, I. Sarbochova, M. Sramek, V. Bulkova, A. Tomek (*Czech Republic*)
- 012 EFFECT OF TYPE OF ATRIAL FIBRILLATION (PAROXYSMAL/ PERSISTENT) ON INITIAL NEUROLOGICAL SEVERITY AND 3-MONTH INDEPENDENCE IN PATIENTS WITH ACUTE ISCHEMIC STROKE OR TIA: THE SAMURAI-NVAF STUDY  
**M. Koga**, S. Yoshimura, T. Kazunori (*Japan*)
- 013 REAL INCIDENCE OF CARDIOGENIC STROKE IN PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION BEFORE AND AFTER APPEARANCE OF NEW ORAL ANTICOAGULANTS  
**S. Kuroda**, T. Mori, T. Iwata, Y. Tanno, S. Kasakura, K. Yoshioka (*Japan*)
- 014 INFLUENCE OF RECENT STROKE ON PERCEPTIONS ABOUT ORAL ANTICOAGULATION THERAPY: RESULTS FROM AN INTERNATIONAL SURVEY  
**D.A. Lane**, J. Meyerhoff, U. Rohner, G.Y.H. Lip (*United Kingdom*)
- 015 INFLUENCE OF ATRIAL FIBRILLATION PATIENT'S KNOWLEDGE OF STROKE ON PERCEPTIONS ABOUT ORAL ANTICOAGULATION THERAPY: RESULTS FROM AN INTERNATIONAL SURVEY  
**D.A. Lane**, J. Meyerhoff, U. Rohner, G.Y.H. Lip (*United Kingdom*)
- 016 THE ASSOCIATION BETWEEN LIPID PROFILES AND HEMORRHAGIC TRANSFORMATION IN CHINESE ACUTE ISCHEMIC STROKE PATIENTS AND IN THE SUBGROUP PATIENTS WITH ATRIAL FIBRILLATION  
**B. Liu**, D. Wang, M. Liu, R. Yuan (*China*)
- 017 TOTAL CEREBRAL BLOOD FLOW MEASURED BY ULTRASOUND IN PATIENTS WITH CARDIOEMBOLIC STROKE. IS IT A CLINICALLY MEANINGFUL PARAMETER?  
**J. Martí-Fàbregas**, S. Figueroa, E. Martínez-Lizana, I. Zubizarreta, D. Carrera, A. Martínez-Domeño, L. Prats-Sánchez, P. Camps-Renom, E. Jiménez-Xarrié, R. Delgado-Mederos (*Spain*)

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- 018 NATRIURETIC PEPTIDES AND TROPONIN IN THE CHALLENGE FOR THE NEW DIAGNOSIS OF CARDIOEMBOLISM AMONG INITIAL ESUS PATIENTS  
**J. Molina-Seguín**, S. Cambray, L. Colàs-Campàs, I. Benabdelhak, J. Sanahuja, J. Farré, C. Gonzalez-Mingot, A. Quilez, M.P. Gil-Villar, R. Boix, F. Worner, B. Campos, M.I. Gil, R. Begue, J. Valls, F. Purroy (*Spain*)
- 019 THE ROLE OF LOOP RECORDERS IN EMBOLIC STROKE OF UNCERTAIN SOURCE (ESUS)  
**I. Noone**, M.K. Meagher, C. Mc Creery, T. Cassidy (*Ireland*)
- 020 COMPLIANCE OF ORAL ANTICOAGULANT THERAPY IN PATIENTS WITH ATRIAL FIBRILLATION-ASSOCIATED STROKES  
**V. Padjen**, D. Jovanovic, M. Ercegovac, I. Berisavac, P. Stanarcevic, M. Stefanovic Budimkic, L. Beslac Bumbasirevic (*Serbia*)
- 021 THE ROLE OF HOLTER WEARABLE IN ATRIAL FIBRILLATION DETECTION IN CRYPTOGENIC STROKES  
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**The 2<sup>nd</sup> European Stroke  
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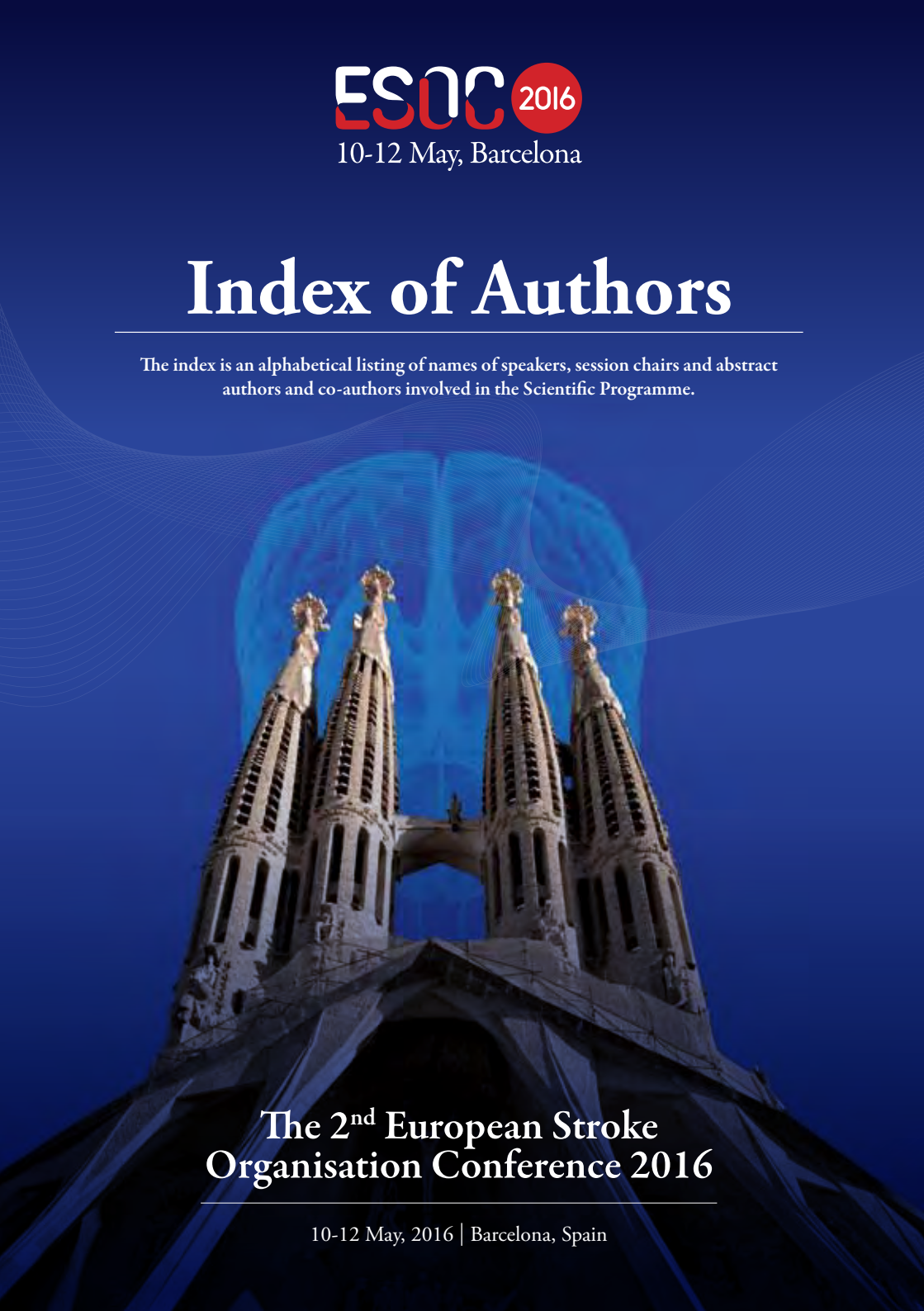
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10-12 May, Barcelona

# Recognition, Acknowledgements & Industry Support

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The background of the poster is a low-angle, upward-looking photograph of the spires of the Sagrada Família in Barcelona. Overlaid on this image is a large, semi-transparent blue circle containing a white, stylized map of the human brain, centered on the cerebral cortex. The overall color scheme is dark blue.

The 2<sup>nd</sup> European Stroke  
Organisation Conference 2016

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10-12 May, 2016 | Barcelona, Spain

# Acknowledgements

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The Organising Committee of The European Stroke Organisation Conference 2016 would like to express its gratitude and acknowledge the following companies and organisations for their generous support.

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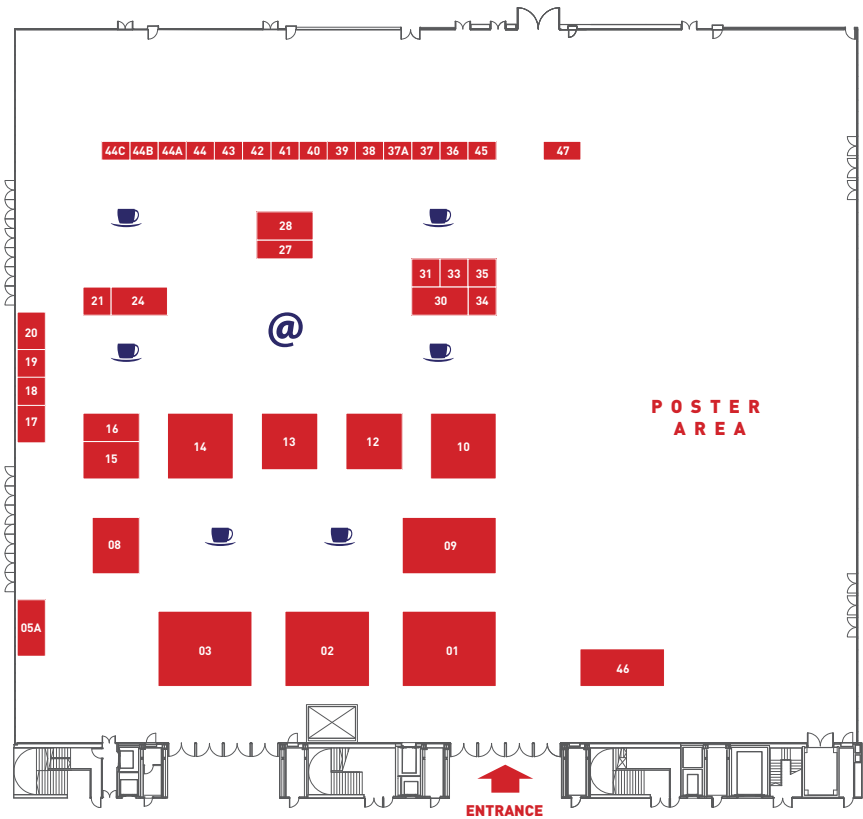
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## Exhibitors



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# Industry Supported Sessions

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## Tuesday, 10 May

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| 12:30 - 14:00 | Bayer  | Medtronic | Penumbra             | Boehringer<br>Ingelheim | Amgen  |
| 18:00 - 19:30 | Takeda | Stryker   | EVER Neuro<br>Pharma |                         |        |

## Wednesday, 11 May

|               | Hall A                                                                   | Hall B | Hall C    | Hall D                      | Hall E                  | Hall F             |
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| 12:45 - 14:15 | Astra Zeneca<br><i>EBAC<br/>Accredited<br/>Educational<br/>Programme</i> | Bayer  | Medtronic | BMS &<br>Pfizer<br>Alliance | Boehringer<br>Ingelheim | Daiichi-<br>Sankyo |

## Thursday, 12 May

|               | Hall F          |
|---------------|-----------------|
| 13:15 - 14:15 | St Jude Medical |

Tuesday, 10 May

12:30 - 14:00

Hall B

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**PREVENTION AND MANAGEMENT OF STROKES WITH NOACS:  
HOW BOTH STUDY AND REAL-WORLD EXPERIENCE INFORM  
CURRENT PRACTICE**

Chairs: **Pierre Amarenco** (*France*) and **Graeme Hankey** (*Australia*)

12:30 - 12:55 CLINICAL TRIAL AND REAL-WORLD EVIDENCE: A BROAD  
PERSPECTIVE FROM THE LITERATURE

Graeme Hankey (*Australia*)

12:55 - 13:10 REAL-WORLD FINDINGS FROM THE XANTUS STUDY

Pierre Amarenco (*France*)

13:10 - 13:40 PRACTICAL CONSIDERATIONS FOR STROKE PHYSICIANS: A CASE-  
BASED INTERDISCIPLINARY DEBATE

Sven Poli (*Germany*) and Jan Beyer-Westendorf (*Germany*)

13:40 - 13:50 Q&A AND PANEL DISCUSSION

13:50 - 14:00 CONCLUSION AND CLOSE: FUTURE PERSPECTIVES FOR  
RIVAROXABAN FOR STROKE PREVENTION

Pierre Amarenco (*France*)



Tuesday, 10 May

---

12:30 - 14:00

Hall C

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### **AIS TREATMENT: FROM CLINICAL EVIDENCE TO PRACTICE!**

Chair: **Mayank Goyal** (*Canada*)

12:30 - 12:55 NEUROLOGIST, FROM PAST TO FUTURE  
Patrik Michel (*Switzerland*)

12:55 - 13:20 ENDOVASCULAR TREATMENT OF ISCHEMIC STROKE  
Christophe Cognard (*France*)

13:20 - 13:45 COST EFFECTIVENESS OF SOLITAIRE™  
Kyriakos Lobotesis (*United Kingdom*)

13:45 - 14:00 Q&A

Tuesday, 10 May

---

12:30 - 14:00

Hall D

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**TECHNOLOGY ADVANCES IN ISCHEMIC AND HEMORRHAGIC STROKE  
TREATMENT: A CLINICAL UPDATE**

Chair: **David Fiorella** (*USA*)

12:30 - 13:00 RACER: RESULTS OF THE ACE64 EUROPEAN MULTI-CENTER  
EXPERIENCE

Annika Kowoll (*Germany*)

13:00 - 13:30 A COMPARISON OF CLINICAL OUTCOMES WITH ADAPT AND  
SOLUMBRA

Mark L. Young (*USA*)

13:30 - 14:00 CHARTING A COURSE FOR ICH - EARLY EXPERIENCE WITH THE  
APOLLO SYSTEM

David Fiorella (*USA*)

**Tuesday, 10 May**

---

**12:30 - 14:00**

**Hall E**

Symposium is organised and supported by



**ADVANCING ANTICOAGULATION CARE: THE FIRST NOAC WITH A SPECIFIC REVERSAL AGENT**

Chairs: **Valeria Caso** (*Italy*) and **Hans-Christoph Diener** (*Germany*)

- 12:30 - 12:35 WELCOME  
Valeria Caso (*Italy*)
- 12:35 - 12:50 ANTICOAGULATION 1.0 TO 2.0: THE NOAC REVOLUTION STARTED WITH DABIGATRAN  
Hans-Christoph Diener (*Germany*)
- 12:50 - 12:55 AUDIENCE Q&A  
Valeria Caso (*Italy*)
- 12:55 - 13:15 ANTICOAGULATION 3.0: INTRODUCING IDARUCIZUMAB  
Richard Bernstein (*USA*)
- 13:15 - 13:45 INTERACTIVE CASES: ANTICOAGULATION REVERSAL IN YOUR CLINIC  
Marting Grond (*Germany*) & Ken Butcher (*Canada*)
- 13:45 - 14:00 PANEL DISCUSSION AND AUDIENCE Q&A  
Valeria Caso (*Italy*) and Hans-Christoph Diener (*Germany*)

Prescribing information is available from the booth. In Spain, idarucizumab is pending for price and reimbursement

Tuesday, 10 May

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12:30 - 14:00

Hall F

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## PCSK9 INHIBITION: A NEW APPROACH TO MANAGING RESIDUAL CV RISK

Chairs: **Matthias Endres** (*Germany*) and **Ulrich Laufs** (*Germany*)

12:30 - 12:35 WELCOME AND INTRODUCTIONS

Matthias Endres (*Germany*)

12:35 - 13:00 STROKE AND CHOLESTEROL

Matthias Endres (*Germany*)

13:00 - 13:25 PCSK9 INHIBITORS AND THEIR BENEFICIAL EFFECTS ON LIPID PROFILE

Ulrich Laufs (*Germany*)

13:25 - 13:45 WILL LOWERING LDL-C WITH PCSK9 INHIBITORS REDUCE CV RISK?

Neil Poulter (*United Kingdom*)

13:45 - 13:55 PANEL DISCUSSION

13:55 - 14:00 CLOSING REMARKS

Matthias Endres (*Germany*) and Ulrich Laufs (*Germany*)

Tuesday, 10 May

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18:00 - 19:30

Hall B

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**MULTIMODAL APPROACH IN THE TREATMENT IN POST-STROKE  
COGNITIVE IMPAIRMENT (PSCI)**

Chair: Alla Guekht (*Russia*)

18:00 - 18:10 WELCOME/INTRODUCTION

Alla Guekht (*Russia*)

18:10 - 18:30 POST-STROKE NEUROREPAIR AND COGNITIVE REHABILITATION

Jerzy Krupinski (*Spain*)

18:30 - 18:50 PHARMACOLOGICAL TREATMENT OPTIONS OF PSCI

Eduard Yakupov (*Russia*)

18:50 - 19:15 EVOLVING THE CONCEPT OF POST-STROKE COGNITIVE  
IMPAIRMENT: ARTEMIDA RESULTS

Alla Guekht (*Russia*)

19:15 - 19:30 DISCUSSION

Tuesday, 10 May

---

18:00 - 19:30

Hall C

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## HOW PATIENT PATHWAY SYSTEMS, TREATMENT TIMES AND REGIONAL DEMOGRAPHICS IMPACT PATIENT OUTCOMES

Chair: **Atte Meretoja** (*Finland*)

18:00 - 18:20 OPTIMIZATION OF IN-HOSPITAL PATIENT PATHWAYS  
FOR THROMBOLYSIS AND LEARNINGS FOR MECHANICAL  
THROMBECTOMY  
Atte Meretoja (*Finland*)

18:20 - 18:40 EXTENDING THE TIME-WINDOW: DAWN™ TRIAL UPDATE  
Marc Ribó (*Spain*)

18:40 - 19:00 TREVO® RETRIEVER REGISTRY: A GLOBAL COMPARATIVE ANALYSIS  
OF 500 PATIENTS  
Antonin Krajina (*Czech Republic*)

19:00 - 19:30 DEBATE

Tuesday, 10 May

---

18:00 - 19:30

Hall D

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### ADVANCES IN SUB-ACUTE STROKE MOTOR RECOVERY

Chair: **Valeria Caso** (*Italy*)

18:00 - 18:20 STROKE RECOVERY: TIMING, TRAINING, & BIOLOGICAL DETERMINANTS

Steven Zeiler (*USA*)

18:20 - 18:40 MOTOR RECOVERY AFTER STROKE – CHALLENGES & OPPORTUNITIES

Andreas Winkler (*Austria*)

18:40 - 19:00 MODULATION OF NEURAL PLASTICITY AND RECOVERY AFTER STROKE: NONINVASIVE BRAIN STIMULATION AND REHABILITATION

Yun Hee Kim (*Korea*)

19:00 - 19:20 PHARMACOLOGICAL AND EARLY REHABILITATION TREATMENT – THE CARS-TRIAL RESULTS

Dafin Muresanu (*Romania*)

19:20 - 19:30 Q & A

Wednesday, 11 May

12:45 - 14:15

Hall B

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## STROKE PREVENTION IN AF: A YEAR 2016 UPDATE FOR THE NEUROLOGY AND STROKE SPECIALIST

### FOCUS ON THE ROLE OF FACTOR XA INHIBITION FOR PREVENTION OF THROMBOEMBOLIC STROKE IN AF: *PRINCIPLES OF PRACTICE AT THE FRONT LINES OF STROKE AND NEUROVASCULAR CARE*

Chair: **Hans-Christoph Diener** (*Germany*)

- 12:45 - 12:50 PROGRAM CHAIRMAN'S INTRODUCTION AND WELCOME  
Hans-Christoph Diener (*Germany*)
- 12:50 - 13:05 THE BURDEN OF THROMBOEMBOLIC STROKE IN THE GENERAL AND AGING POPULATION: FOCUS ON STROKE PREVENTION AND MANAGEMENT FOR THE NEUROVASCULAR AND STROKE SPECIALIST  
Pierre Amarenco (*France*)
- 13:05 - 13:25 PRACTICAL AND GUIDELINE-BASED DIMENSIONS OF SELECTING EMPLOYING ORAL FACTOR XA INHIBITORS FOR LIFELONG STROKE PREVENTION IN PATIENTS WITH AF: FOCUS ON CLINICAL TRIAL AND REAL WORLD DATA IN PATIENTS WITH AF AND PREVIOUS HISTORY OF NEUROVASCULAR (STROKE OR TIA) DISEASE  
John Camm (*United Kingdom*)
- 13:25 - 13:45 THE USE OF ORAL FACTOR XA INHIBITORS IN THE SETTING OF ACUTE THROMBOEMBOLIC STROKE IN PATIENTS WITH NVAF: PRACTICAL STRATEGIES FOR INITIATING ANTICOAGULATION IN AF PATIENTS WITH RECENT TIA OR STROKE: WHEN? IN RELATION TO THROMBOLYSIS? AT WHAT DOSE? WHICH AGENT OPTIMIZES THE BENEFIT-TO-RISK RATIO?  
Peter Verhamme (*Belgium*)



- 13:45 - 14:00 INTERACTIVE CASE-BASED SIMULATION FOCUSED ON STROKE PREVENTION IN THE HIGH RISK PATIENT WITH AF: PRACTICAL, REAL WORLD MANAGEMENT DECISIONS FOR THE NEUROLOGIST AND STROKE SPECIALISTS USING ORAL FACTOR XA INHIBITORS IN PATIENT WITH AF AT RISK FOR STROKE: WHAT DOSE? WHY? WHICH PATIENTS? ASSESSING TREATMENT RESULTS  
Programme Chair and Distinguished Faculty
- 14:00 - 14:10 SUMMARY AND TAKE HOME MESSAGES: THE FOUNDATION ROLE OF ORAL FACTOR XA INHIBITION FOR STROKE PREVENTION IN AF: WHAT HAVE LANDMARK TRIALS AND REAL WORLD EXPERIENCE TAUGHT US?  
Hans-Christoph Diener (*Germany*)

14:10 - 14:15 INTERACTIVE QUESTION AND ANSWER SESSION

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Wednesday, 11 May

12:45 - 14:15

Hall C

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## FROM PROPHYLAXIS OF VTE TO UNCOVERING ATRIAL FIBRILLATION IN CRYPTOGENIC STROKE PATIENTS

Chairs: **Martin Grond** (*Germany*) and **Stefano Ricci** (*Italy*)

- 12:45 - 12:50 INTRODUCTION BY THE CHAIRMEN  
Martin Grond (*Germany*) and Stefano Ricci (*Italy*)
- 12:50 - 13:10 FROM CLOTS3 OUTCOMES TO NEWEST RECOMMENDATIONS ON THE PROPHYLAXIS OF VTE IN STROKE PATIENT  
Carlos Molina (*Spain*)
- 13:10 - 13:30 THE IMPLEMENTATION OF A PRACTICAL PROTOCOL FOR THE PROPHYLAXIS OF VTE IN STROKE PATIENTS  
Carol Williams (*United Kingdom*)
- 13:30 - 13:50 UNCOVERING ATRIAL FIBRILLATION BEYOND SHORT-TERM MONITORING IN CRYPTOGENIC STROKE PATIENTS  
Johannes Brachmann (*Germany*)
- 13:50 - 14:10 IS MONITORING FOR ATRIAL FIBRILLATION IN CRYPTOGENIC STROKE WITH AN INSERTABLE CARDIAC MONITOR COST EFFECTIVE?  
Klaus Witte (*United Kingdom*)
- 14:10 - 14:15 Q/A

Wednesday, 11 May

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12:45 - 14:15

Hall D

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**STROKE PREVENTION AND MANAGEMENT IN CURRENT PRACTICE:  
OPTIMISING ORAL ANTICOAGULATION IN NVAF AND BEYOND**

Chair: **Antoni Dávalos** (*Spain*)

12:45 - 12:50 WELCOME AND HOUSEKEEPING

Antoni Dávalos (*Spain*)

12:50 - 13:05 PRIMARY STROKE PREVENTION WITH NOACS

Robert Hatala (*Slovakia*)

13:05 - 13:25 ACUTE STROKE MANAGEMENT – CONSIDERATIONS IN THE NOAC  
ERA

Antoni Dávalos (*Spain*)

13:25 - 13:45 INITIATING PREVENTION AFTER ACUTE STROKE IN NVAF AND  
BEYOND

George Ntaios (*Greece*)

13:45 - 14:05 SECONDARY STROKE PREVENTION IN NVAF – ARE THERE  
ALTERNATIVES TO NOACS?

Karl Georg Haeusler (*Germany*)

14:05 - 14:15 CLOSING REMARKS AND Q&A

All

Wednesday, 11 May

12:45 - 14:15

Hall E

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**ARE YOU READY FOR YOUR NEXT STROKE PATIENT? PRESENTING THE LATEST EVIDENCE, JUSTIFICATION AND TRATEGIES FOR ACUTE PHASE MANAGEMENT OF ISCHAEMIC STROKE**

Chairs: **Valeria Caso** (*Italy*) and **Kennedy Lees** (*United Kingdom*)

12:45 - 13:05 TO LYSE OR NOT TO LYSE? THAT IS THE QUESTION!  
Kennedy Lees (*United Kingdom*)

13:05 - 13:20 IMPROVING AND EVALUATING PROCESSES OF CARE AND STROKE  
UNITS/NETWORKS  
Atte Meretoja (*Finland*)

13:20 - 13:35 ENCHANTED INSIGHTS INTO THROMBOLYSIS STRATEGY  
Craig Anderson (*Australia*)

13:35 - 13:50 ENDOVASCULAR THERAPY WITH THROMBOLYSIS: WHO CAN THE  
KNIGHT IN SHINING ARMOUR RESCUE?  
Carlos Molina (*Spain*)

13:50 - 14:15 PANEL DISCUSSION  
All

Wednesday, 11 May

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12:45 - 14:15

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**BALANCING BENEFIT AND RISK WITH NON-VKA ORAL  
ANTICOAGULANTS IN AF-RELATED STROKE**

Chairs: **Ángel Chamorro** (*Spain*) and **Roland Veltkamp** (*United Kingdom*)

12:45 - 12:50 WELCOME AND INTRODUCTION

Ángel Chamorro (*Spain*)

12:50 - 13:10 RISK OF HAEMORRHAGIC STROKE WITH VKA VS NOACS

Heinrich Mattle (*Switzerland*)

13:10 - 13:20 Q&A

13:20 - 13:40 BALANCING BENEFIT AND RISK IN PATIENT OUTCOMES: WHAT  
DOES THE ENGAGE AF-TIMI 48 TRIAL ADD?

Freek Verheugt (*The Netherlands*)

13:40 - 13:50 Q&A

13:50 - 14:00 INTERACTIVE CASE PRESENTATION

Florian Masuhr (*Germany*)

14:00 - 14:10 PANEL DISCUSSION OF INTERACTIVE CASE PRESENTATIONS  
All

14:10 - 14:15 CLOSING REMARKS

Roland Veltkamp (*United Kingdom*)

Thursday, 12 May

13:15 - 14:15

Hall F

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## NOVEL STROKE PROPHYLAXIS STRATEGIES: WHEN SHOULD CARDIAC OCCLUSION THERAPIES BE CONSIDERED?

Chairs: **Werner Hacke** (*Germany*) and **Per Wester** (*Sweden*)

- 13:15 - 13:20 INTRODUCTION AND OBJECTIVES  
Werner Hacke (*Germany*)
- 13:20 - 13:29 THE HEART-AND-BRAIN CONNECTION - CURRENT KNOWLEDGE AND FUTURE CHALLENGES  
Derk Krieger (*Denmark*)
- 13:29 - 13:32 DISCUSSION AND AUDIENCE INTERACTION
- 13:32 - 13:42 HOW TO TREAT THE UNTREATABLE; WHAT ARE THE OPTIONS?  
Dabit Arzamendi (*Spain*)
- 13:42 - 13:45 DISCUSSION AND AUDIENCE INTERACTION
- 13:45 - 13:54 LONG TERM RESULTS OF THE RESPECT TRIAL: PFO CLOSURE VERSUS STANDARD MEDICAL CARE IN PATIENTS WITH PREVIOUS CRYPTOGENIC STROKE  
Roman Huber (*Germany*)
- 13:54 - 13:57 DISCUSSION AND AUDIENCE INTERACTION
- 13:57 - 14:07 A PROPENSITY SCORE MATCHED FOLLOW-UP STUDY - LEFT ATRIAL APPENDAGE OCCLUSION VERSUS STANDARD MEDICAL CARE IN PATIENTS WITH AF AND ICH  
Per Wester (*Sweden*)
- 14:07 - 14:10 DISCUSSION AND AUDIENCE INTERACTION
- 14:10 - 14:15 TAKE HOME MESSAGE  
Per Wester (*Sweden*)

# EBAC Accredited Educational Programme

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Wednesday, 11 May

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12:45 - 14:15

Hall A

EBAC Accredited educational programme supported by an  
unrestricted educational grant from



## **FACING THE GLOBAL CATASTROPHE OF RECURRENT STROKE OR TIA: ADVANCES IN ANTIPLATELET THERAPY FOR SECONDARY PREVENTION IN THE EMERGENCY SETTING**

Chairs: **Werner Hacke** (*Germany*) and **SC Johnston** (*US*)

- 12:45 - 12:50 WELCOME AND SESSION OBJECTIVES  
SC Johnston (US)
- 12:50 - 13:05 RECURRENT ISCHAEMIC STROKE: A PERSONAL, SOCIETAL AND  
GLOBAL CATASTROPHE  
Valery Feigin (New Zealand)
- 13:05 - 13:10 DISCUSSION  
All
- 13:10 - 13:25 HIGH RISK FOR RECURRENT STROKE OR TIA IN THE ACUTE  
SETTING: RECOGNISING AND ADDRESSING A CLINICAL  
EMERGENCY  
Peter Rothwell (United Kingdom)
- 13:25 - 13:30 DISCUSSION  
All
- 13:30 - 13:55 ANTIPLATELET THERAPY FOR SECONDARY STROKE / TIA  
PREVENTION IN THE ACUTE SETTING: UNDERSTANDING  
THE LATEST CLINICAL DEVELOPMENTS TO IMPROVE PATIENT  
OUTCOMES  
SC Johnston (US)
- 13:55 - 14:05 DISCUSSION  
All
- 14:05 - 14:15 SUMMARY AND CLOSE  
Werner Hacke (Germany)

This programme is accredited by the European Board for Accreditation in Cardiology (EBAC) for 1 hour of external CME credit. Each participant should claim only those hours of credit that have actually been spent in the educational activity.

# Exhibitor and Supporter Company Profiles

## ACST-2

University of Oxford, Nuffield Department of Surgical Sciences  
Oxford  
OX3 9DU  
UK  
Booth #: 38



<http://www.nds.ox.ac.uk/research/acst2>

The Asymptomatic Carotid Surgery Trial (ACST-2) is an international randomised trial of carotid endarterectomy (CEA) and carotid stenting (CAS) for stroke prevention. Led by Professor Alison Halliday and the team in Oxford, ACST-2 seeks to randomise patients with tight asymptomatic carotid stenosis between CEA and CAS to compare both the immediate hazards of the two procedures when carried out by experienced doctors and the subsequent stroke rates over the next 5 to 10 years. Our goal is to recruit 3,600 patients by the end of 2019 and we still welcome new centres to participate in this important study.

## American Heart Association

7272 Greenville Avenue  
Dallas  
75231  
USA  
Booth #: 43



<http://professional.heart.org>

The American Heart Association/American Stroke Association – building healthier lives, free of cardiovascular diseases and stroke. Learn more about the AHA/ASA, its programs, and one of its journals – Stroke. Stroke is a top-ranked journal in its field and publishes articles focused on clinical and basic investigation of any aspect of the cerebral circulation and its diseases from many disciplines (neurology, neuropathology, neurosurgery, vascular surgery, rehabilitation, critical care medicine, vascular physiology, radiology, nursing). Visit <http://professional.heart.org> or <http://stroke.ahajournals.org>. “Like” our Facebook page (Stroke-AHA/ ASA) or follow us on Twitter (@StrokeAHA\_ASA). Review the latest journal metrics at <http://www.ahajournals.org/site/metrics>, and read free, expert-selected articles at <http://www.ahajournals.org>.



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## AMGEN (Europe) GmbH

Dammstrasse 23

Zug

6301

Switzerland

<http://www.amgen.com>

Amgen's Commitment to Cardiovascular Disease Amgen is dedicated to addressing important scientific questions to advance care and improve the lives of patients with cardiovascular disease. Amgen has built a robust cardiology pipeline in an effort to address a number of today's important unmet patient needs, such as high cholesterol and heart failure. About Amgen Amgen focuses on areas of high unmet medical need and leverages its biologics manufacturing expertise to strive for solutions that improve health outcomes and dramatically improve people's lives. Amgen has grown to be the world's largest independent biotechnology company, reaching millions of patients around the world.



Cardiovascular

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## Apoplex Medical Technologies GmbH

Delaware Avenue 1-3

Pirmasens

66953

Germany

Booth #: 24

<http://www.apoplexmedical.de/>

The company focuses its activities on the development of applications for the prevention of stroke caused by atrial fibrillation by an improved detection of paroxysmal atrial fibrillation. Several applications are already in use at medical practices and clinics, especially stroke units. The core of the products SRAdoc/SRA24 and SRAclinic is a fully automated detection of atrial fibrillation episodes and the identification of patients with an increased risk for paroxysmal atrial fibrillation with the help of a mathematical algorithm. The superiority of this method has been proven by clinical studies. The applications are web based and are easy and reliably integrated into each practice or clinic without any major effort.



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## AstraZeneca

Pepparedsleden 1

Mölndal

431 83

Sweden

Booth #: 14

<http://www.astrazeneca.com>

AstraZeneca is a global, innovation-driven biopharmaceutical business that focuses on the discovery, development and commercialisation of prescription medicines, primarily for the treatment of cardiovascular, metabolic, respiratory, inflammation, autoimmune, oncology, infection and neuroscience diseases. AstraZeneca operates in over 100 countries and its innovative medicines are used by millions of patients worldwide.



**BAYER**

Müllerstrasse 178

Berlin

13353

Germany

Booth #: 03

<http://www.bayer.com>

Bayer: Science For A Better Life Bayer is a global enterprise with core competencies in the Life Science fields of health care and agriculture. Its products and services are designed to benefit people and improve their quality of life. At the same time, the Group aims to create value through innovation, growth and high earning power. Bayer is committed to the principles of sustainable development and to its social and ethical responsibilities as a corporate citizen. In fiscal 2014, the Group employed around 119,000 people and had sales of EUR 42.2 billion. Capital expenditures amounted to EUR 2.5 billion, R&D expenses to EUR 3.6 billion. These figures include those for the high-tech polymers business, which was floated on the stock market as an independent company named Covestro on October 6, 2015. For more information, go to [www.bayer.com](http://www.bayer.com).

**BMS & Pfizer Alliance**

Virginia Hayward, Walton Oaks

Surrey

KT20 7NS

UK

Booth #: 02

<http://www.pfizer.eu>

In 2007, Pfizer and Bristol-Myers Squibb entered into a worldwide collaboration to develop and commercialize apixaban, an oral anticoagulant discovered by Bristol-Myers Squibb. This global alliance combines Bristol-Myers Squibb's long-standing strengths in cardiovascular drug development and commercialization with Pfizer's global scale and expertise in this field.

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## Boehringer Ingelheim GmbH

Binger Strasse 173  
Ingelheim am Rhein,  
55216  
Germany  
Booth #: 01

<http://www.boehringer-ingelheim.com>



The Boehringer Ingelheim group is one of the world's 20 leading pharmaceutical companies. Headquartered in Ingelheim, Germany, Boehringer Ingelheim operates globally with 146 affiliates and a total of more than 47,700 employees. The focus of the family-owned company, founded in 1885, is researching, developing, manufacturing and marketing new medications of high therapeutic value for human and veterinary medicine. Social responsibility is an important element of the corporate culture at Boehringer Ingelheim. This includes worldwide involvement in social projects, such as the initiative "Making more Health" and caring for the employees. Respect, equal opportunities and reconciling career and family form the foundation of the mutual cooperation. In everything it does, the company focuses on environmental protection and sustainability.

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## Brainomix

11 - 14 Suffolk House, 263 Banbury Road  
Oxford  
OX2 7HN  
UK  
Booth #: 21

<http://www.brainomix.com>



The development of biomarkers based on quantitative imaging provides powerful non-invasive and cost-effective diagnostic tools for stratified medicine. Brainomix Limited aims to become the leader in imaging biomarkers for neurological and cerebrovascular disorders. The company developed the e-ASPECTS technology which harnesses state-of-the art in-computer technology to automate medical imaging analysis, providing confident treatment decisions in a vital step of the treatment pathway for acute stroke patients. Our clinical decision making support software automatically implements the clinical scoring methodology, Alberta Stroke Programme Early CT Score (ASPECTS), to assist clinicians worldwide in timely identification of stroke patients eligible for life saving treatment.

## Charité - Universitätsmedizin Berlin

Charitéplatz 1

Berlin

10117

Germany

Booth #: 39

<http://www.master-stroke.de>

The MSc in Cerebrovascular Medicine provides comprehensive training to young healthcare professionals in all relevant aspects of stroke research and stroke medicine. The three main goals are: - improving professional training and career opportunities for young scientists - creating an attractive environment for outstanding collaborative research projects - qualifying graduates to conduct their own independent patient-oriented studies. Students specialize in stroke research to become independent principal investigators. We provide tailored training material in print and online. During the teaching week, students deepen their understanding of the material, discuss current hot topics and focus on specific examples for basic and clinical research.



## Daesung Maref

298-24, Gongdan-ro, Gunpo-si,

Gyeonggi-do

15809

Korea

Booth #: 17

[www.dsmaeref.com](http://www.dsmaeref.com)

DS MAREF is a leading company having the most selections in various pneumatic medical systems for DVT prevention, Lymph edema, Thermo therapy, Tourniquet, Rehabilitation and home care since 1986.

We are exporting our products in surgical, orthopedic, sports/rehabilitation and home to around 80 countries, manufacturing all products in our own facilities as 100% made in Korea and growing by 30-40% annually with powerful competitiveness of the products in quality, design and price.

We will do our best to provide high quality Pneumatic Compression Therapy Systems through our constant developing.



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## Daiichi Sankyo Europe GmbH

Zielstattstr. 48

Munich

81379

Germany

Booth #: 10

<http://www.daiichi-sankyo.eu>

The Daiichi Sankyo Group is dedicated to the creation and supply of innovative pharmaceutical products. With over 100 years of scientific expertise and a presence in more than 20 countries, Daiichi Sankyo can draw upon a rich legacy of innovation and a robust pipeline of promising medicines. In addition to its strong portfolio of medicines for hypertension, dyslipidemia, bacterial infections, and thrombotic disorders, the Group's research and development is focused on bringing forth novel therapies in cardiovascular-metabolic diseases, pain management, and oncology, including biologics. Daiichi Sankyo's European base is located in Munich and has affiliates in 12 European countries. [www.daiichi-sankyo.eu](http://www.daiichi-sankyo.eu)



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## Ekso Bionics Europe GmbH

Tullastrasse 80

Freiburg

79108

Germany

Booth #: 28

<http://www.eksobionics.com>

Ekso GT™ is a wearable bionic suit that helps individuals with any amount of lower extremity weakness or paralysis, including those with complete spinal cord injury, to stand up and walk with a natural, fully weight bearing gait. The Ekso GT robotic exoskeleton helps patients re-learn correct step patterns while enabling correct weight shift when walking. The European headquarter is based in Freiburg, Germany



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## EUROPA ORGANISATION

19 Allée Jean Jaures

Toulouse

31000

France

Booth #: 37A

<http://www.slice-online.com/>

SLICE is the live Course dedicated to stroke! SLICE is the 100% acute phase meeting. SLICE means sharing experience and learning the very latest technical strategies, anesthesiological management, and neurological guidelines necessary for efficient and effective decision-making during the acute phase. SLICE helps us understand the complexity of the regulation system while optimizing real-world workflow of any given structure with practical tips and tricks. SLICE means coming together to share the practical, "take home" knowledge that can change practice and improve patient care in acute Stroke. SLICE is taking place in Nice on 3rd to 5th of October 2016 and we look forward to joining us!



**EVER Neuro Pharma GmbH**

Oberburgau 3

Unterach

4866

Austria

Booth #: 08

<http://www.everpharma.com>

We are a globally successful pharmaceutical specialist with a clear focus on neurology and critical care. At our headquarters in Unterach, Austria, we are always on the search for new therapeutic solutions aimed at improving both the patients' well-being and quality of life. Cerebrolysin® is a biotechnologically manufactured original neuropeptide solution that stimulates neurotrophic regulation in the central nervous system. Cerebrolysin® is used worldwide for treatment of ischemic and hemorrhagic stroke, traumatic brain injuries, to treat different forms of dementia (vascular dementia, Alzheimer's disease) and cognitive disorders and to prevent cognitive decline after brain injuries. Patients with either acute or degenerative neurological diseases benefit from the neuro-protective and neuro-regenerative properties of Cerebrolysin®. Tachyben is used for intravenous treatment of hypertensive emergencies (e.g. critical rise in blood pressure), in cases of severe and very severe forms of hypertensive disease as well as in cases of hypertension resistant to treatment. It is used to control lowering of blood pressure in hypertensive patients during and/or after surgery.

**Ferrer**

Diagonal 549

08029 Barcelona

Spain

<http://www.ferrer.com>

Booth # 30



Ferrer is a global partner in the health field worldwide; pharmaceuticals, medical devices, medical technologies, consumer health, with a total commitment to R&D and the final objective to advance the wellbeing of society while respecting nature.

Somazina (*Citicoline*): is indicated for stroke, acute phase and its neurological sequelae, traumatic brain injury and its neurological sequelae, cognitive and behavioural impairment secondary to chronic vascular and degenerative cerebral disorders. Somazina is commercialized in more than 60 countries, with more than 30 years of experience.

Trinomia: (*ramipril 2.5, 5, 10 mg, atorvastatin 20 mg, AAS 100 mg*): is indicated for the secondary prevention of cardiovascular accidents as substitution therapy in patients adequately controlled with the monocomponents given concomitantly at equivalent therapeutic doses. Trinomia is commercialized in Spain, Portugal, Romania. In Germany is marketed as Sincronium.

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## Medtronic

Victor Von Bruns-Strasse 19  
Neuhausen Am Rheinfall  
8212

Switzerland

Booth #: 09

<http://www.medtronic.com>

As a global leader in medical technology, services and solutions, Medtronic improves the lives and health of millions of people each year. We use our deep clinical, therapeutic and economic expertise to address the complex challenges faced by healthcare systems today. Let's take healthcare Further, Together. Learn more at [Medtronic.com](http://www.Medtronic.com).



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## MEYTEC GmbH MEDIZINSYSTEME

Akazienstr. 13

Werneuchen OT Seefeld

16356

Germany

Booth #: 16

<http://www.vimed.de>

MEYTEC is a tele-healthcare company, based near Berlin, Germany producing specialist telemedical solutions under the VIMED® brand for clinical establishments around the world. MEYTEC has developed pioneering bespoke solutions, using encrypted digital transmission of medical data and images. MEYTEC's state-of-the-art products offer secure, real-time, face-to-face contact between medical experts and patients via audio-video communication wherever their locations. Pioneering projects such as TEMPiS (<http://www.tempis.de>) and VIMED® STEMOM (STEMO (<http://www.jove.com/video/50534/prehospital-thrombolysis-a-manual-from-berlin?status=a52540k>)), are testament to the evolution of MEYTEC's products, through the better understanding of, and in response to, the ever increasing impact of stroke on the world's population.



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## MindMaze Neurorehabilitation

Chemin de Roseneck 5

Lausanne

1006

Switzerland

Booth #: 34

<http://www.mindmaze.ch>

MindMaze's MindMotionPRO: A Virtual Reality-based Upper Limb Neurorehabilitation unit designed to allow Hospitals to increase the rehab dose and deliver it as early as 1 – 6 weeks post stroke. NICE Stroke guidelines recommend minimum of 45 minutes of each active therapy 5x per week. The UK SSNAP audit shows that 64% and 91% of units fail to reach target occupational and physiotherapy goals respectively. MindMotionPRO offers an easy to use mobile unit designed for early post-stroke care. Available for bedside use, it is simple to set-up, allowing decoupling of therapist and rehabilitation time. A RCT is underway (MOVE-Rehab Study).



## Moleac Pte Ltd

Helios #09-08, 11 Biopolis Way  
Singapore  
138667  
Singapore  
Booth #: 27  
<http://www.moleac.com/>



Founded in 2003, Moleac is dedicated to developing innovative and high quality therapeutics in Neurology to supplement existing treatments for conditions where significant unmet needs remain. Its first product, NeuroAiD™ is a neurorestorative product that safely enhances recovery among patients who suffered a stroke or other brain injuries in the post-acute phase by amplifying the brain's repair processes. NeuroAiD™ is a natural product made of several plant extracts selected for their pharmacological effects, clinical efficacy and safety. The product is distributed in over 30 countries today and aims to be available to the greatest number of people in need of solutions.

## Neuravi

Block 3, Ballybrit Business Park  
Galway  
H91 K5YD  
Ireland  
<http://www.neuravi.com>



Led by a team experienced in endovascular device development and global commercialization, the company's initial technology platform addresses acute ischemic stroke. In collaboration with international researchers and clinicians, the company seeks to develop new understanding that will drive innovative solutions to treat this challenging and devastating disease.

## Nihon Kohden Europe GmbH

Raiffeisenstr. 10  
Rosbach  
61191  
Germany  
Booth #: 24  
<http://www.nihonkohden.com>



Nihon Kohden is Japan's leading manufacturer and provider of medical electronic equipment. We are the number one supplier to Japan and one of the top 10 companies in the world that specialize in medical devices. "Fighting Disease with Electronics" – our corporate philosophy – reflects the high standards we have set ourselves in combating disease by developing medical systems. Since its founding in 1951, Nihon Kohden has continued to provide a wide range of medical electronic equipment contributing to higher quality of life for patients. Our product range focuses on patient monitoring, cardiology (ECG Defibrillators AED), neurology (EEG, EM, EP) and hematology.



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## Penumbra Europe GmbH



Am Borsigturm 44

Berlin

13507

Germany

Booth #: 13

<http://www.penumbrainc.com>

Penumbra is a specialty interventional therapies company that develops and markets innovative medical devices to treat challenging medical conditions with significant unmet clinical needs. We design our therapies to provide our specialist physician customers with improved clinical outcomes through faster and safer procedures at significant overall cost savings to the healthcare system. Today we have sales operations in North America, Europe, Australia and Asia.

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## Phenox GmbH



Lise-Meitner-Allee 31

Bochum

44801

Germany

Booth #: 20

<http://www.phenox.net>

Since its founding in 2005, phenox has been dedicated to developing innovative, breakthrough and clinically proven technologies and solutions for the treatment of neurovascular diseases. phenox's products are used by endovascular specialists to treat ischemic and hemorrhagic stroke. The company offers a growing portfolio of innovative treatment options, including the primary interventional technologies used today. The product range includes pREset, a mechanical thrombectomy device, the p64 Flow Modulation Device for the treatment of complex intracranial aneurysms and dissections as well as the pCONus Bifurcation Aneurysm Implant which is intended to treat complex, wide neck intracranial bifurcation aneurysms.

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## PRECIOUS



University Medical Center Utrecht, Heidelberglaan 100

Utrecht

3584 CX

The Netherlands

Booth #: 44A

<http://www.precious-trial.eu>

PRECIOUS – PREvention of Complications to Improve OUtcome in elderly patients with acute Stroke The EU-funded project PRECIOUS seeks to find out whether a pharmacological strategy to prevent complications after stroke can reduce the risk of death or long-term disability. PRECIOUS will recruit 3800 elderly patients in 80 hospitals to the study. Patients aged 66 years or older will be randomised to a strategy to prevent complications in the first four days of their hospitalisation, or to standard care.

## SAGE Publishing

1 Oliver's Yard  
London  
EC1Y 1SP  
UK

Booth #: 45

<http://www.sagepublishing.com>

Sara Miller McCune founded SAGE Publishing in 1965 to support the dissemination of usable knowledge and educate a global community. SAGE publishes more than 900 journals and over 800 new books each year, spanning a wide range of subject areas. A growing selection of library products includes archives, data, case studies and video. SAGE remains majority owned by our founder and after her lifetime will become owned by a charitable trust that secures the company's continued independence. Principal offices are located in Los Angeles, London, New Delhi, Singapore, Washington DC and Melbourne. [www.sagepublishing.com](http://www.sagepublishing.com)



## Shire International GmbH

Zählerweg 10  
Zug  
6300

Switzerland

Booth #: 15

<http://www.shire.com>

Shire enables people with life-altering conditions to lead better lives. Shire's strategy is to focus on developing and marketing innovative specialty medicines to meet significant unmet patient needs. Shire's focus is on providing treatments in Rare Diseases, Neuroscience, Gastrointestinal and Internal Medicine. Our products are marketed in nearly 70 countries, enabling us to help transform the lives of people around the world whose health is impacted by rare and other specialist conditions. We have offices in 34 countries and our international presence continues to grow.



## SITS International

c/o Karolinska Hospital, Stroke Research Unit, R2:03

Solna  
17176

Sweden

Booth #: 36

<http://www.sitsinternational.org>

SITS (Safe Implementation of Treatment in Stroke) is a non-profit, research-driven, independent, international collaboration. It is an initiative by the medical profession to assure excellence in acute treatment and secondary prevention of stroke, as well as to facilitate clinical trials. SITS provides a registry for follow-up on thrombolysis treatment in acute ischemic stroke. SITS has continued development of its services to enable follow-up of other evidence-based treatments in acute stroke such as thrombectomy, as well as secondary prevention.



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## SITS SEAB

c/o Karolinska Hospital, Stroke Research Unit, R2:03

Solna

17176

Sweden

Booth #: 37

<http://www.sitsinternational.org>

The SITS Network includes over 1400 stroke centers in more than 70 countries on five continents. This makes SITS the world's largest stroke network, with the participation of many leading stroke experts.



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## SMART SOLUTIONS TECHNOLOGIES, S.L.

CALLE TORONGA 21, LOCAL 1 (NUUBO)

MADRID

28043

Spain

Booth #: 35

<http://www.nuubo.com>

NUUBO is the AF diagnostic & monitoring ECG wearable recorder, CE mark cleared, based on textile core sensor technology, accurate proprietary algorithms and smart software for speed analysis. It is designed, manufactured and commercialized by Smart Solutions Technologies. A company focused on innovative breakthrough technology for ECG dynamic monitoring.



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## St. Jude Medical

Avenue Da Vinci 11 Box F1

Zaventem

1935

Belgium

Booth #: 19

<http://www.sjm.com>

About St. Jude Medical St. Jude Medical is a leading global medical device manufacturer and is dedicated to transforming the treatment of some of the world's most expensive epidemic diseases. The company does this by developing cost-effective medical technologies that save and improve lives of patients around the world. Headquartered in St. Paul, Minn., St. Jude Medical has five major areas of focus that include heart failure, atrial fibrillation, neuromodulation, traditional cardiac rhythm management, and cardiovascular. For more information, please visit [sjm.com](http://sjm.com) or follow us on Twitter @SJM\_Media.



## Stroke Alliance for Europe (SAFE)



c/o The secretariat  
Stroke Association House,  
240 City Road  
London, EC1V 2PR  
Booth #: 41

<http://www.safestroke.eu>

SAFE is an umbrella organisation of stroke support organisations (SSO) throughout Europe. Its vision is to work towards greatly decreasing the number of strokes in Europe and that all who are touched by stroke get the help and support they need.

SAFE therefore engages in activities such as helping in the creation and strengthening of SSOs, campaigning, education and encouraging research which contributes to the advancement of stroke prevention and the improvement of the quality of life of stroke survivors, their families and carers.

The overall aim of SAFE is to reduce the numbers of, and ameliorate the effects of, strokes across Europe

## Stroke Association



240 City Road,  
London  
EC1V 2PR  
UK  
<http://stroke.org.uk>  
Booth #: 40

Stroke Association is the leading charity in the UK changing the world for people affected by stroke. At the Stroke Association we believe that strokes can and should be prevented. We believe that everyone has the right to make the best recovery they can from stroke. We believe in the power of research to save lives and ensure people make the best recovery they can. And ultimately, we believe that together we can change the world for people affected by stroke. If you share our beliefs, then please do join with us. Together we can conquer stroke.

## Stryker



47900 Bayside Parkway  
Fremont  
94538  
USA  
Booth #: 12

<http://www.strykerneurovascular.com>

Stryker Neurovascular is committed to Complete Stroke Care™ through innovative products, technologies and services for ischemic and hemorrhagic stroke. By advancing the practice of less-invasive medicine, providing healthcare professionals more endovascular solutions and promoting clinical education and support, Stryker Neurovascular is dedicated to helping deliver better patient outcomes.

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## **Takeda**

Thurgauerstrasse 130

Glattpark (Opfikon)

8152

Switzerland

<http://www.takeda.com/company/worldwide/>

Driven by passion. Committed to life. We at Takeda have always been driven by passion: the passion to build a healthier society. For over 230 years, our core principles have guided us through a world of constant changes ensuring that we always act with integrity, always putting people first. Today we are truly global, contributing to better health for millions of patients around the world. Takeda is dedicated to pharmaceutical innovation tackling diseases for which there is currently no cure and expanding into new fields of treatment and therapy. Our commitment is to improve the quality of the most precious thing we know: life.



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## **The European Stroke Organisation (ESO)**

P.O. Box

Basel

4002

Switzerland

Booth #: 46

<http://www.eso-east.org>

The European Stroke Organisation (ESO) is a pan-European society of stroke researchers and physicians, national and regional stroke societies and lay organisations that was founded in December 2007. ESO's major objective is to improve stroke care in Europe by providing medical education to healthcare professionals and the lay public in Europe. By offering best practice approaches, ESO's goal is to harmonise stroke management in Europe. ESO focuses on European level projects. ESO has many proven educational, political and scientific activities such as the development of European Guidelines, Summer School, Winter School, Stroke Masters, Stroke Science Workshop and Department to Department visits.



## UCL

Stroke Research Group Institute of Neurology,  
University College London Box 6,  
The National Hospital Queen Square  
London  
WC1N 3BG  
UK  
Booth #: 38  
<http://www.ecst2.com>



The Second European Carotid Surgery Trial (ECST-2) is a multi-centre randomized trial designed to see if improvements in drug therapy have reduced the need for carotid surgery to prevent stroke caused by atherosclerotic carotid stenosis. Patients are randomized to receive optimized medical therapy alone or in combination with immediate revascularisation. It is organized by The Stroke Research Group, an academic team in the Department of Brain Repair and Rehabilitation at UCL Institute of Neurology and led by Professor Martin M Brown. ECST-2 is currently actively enrolling new centres. ECST-2 collaborates closely with the Asymptomatic Carotid Surgery Trial 2 (ACST-2).

## University of Nottingham, Division of Clinical Neuroscience/Stroke

Clinical Sciences Building  
Nottingham  
NG5 1PB  
UK  
Booth #: 44C



<http://www.nottingham.ac.uk>

The University of Nottingham Stroke Trials Unit coordinate the phase III TARDIS (Triple Antiplatelets for Reducing Dependency after Ischaemic Stroke), TICH-2 (Tranexamic Acid for IntraCerebral Haemorrhage) and RIGHT-2 (Rapid Intervention with Glyceryl trinitrate in Hypertensive stroke Trial) trials. TARDIS and TICH-2 are recruiting in the UK and Internationally into 2017 with recruitment targets of 4100 and 2000 patients respectively. RIGHT-2 is a UK ambulance-based trial which commenced recruitment in 2015 and will run for 3 years with a recruitment target of 850 patients. The primary outcome of TICH-2 and RIGHT-2 is shift in modified Rankin Scale at day 90; TARDIS is assessing stroke recurrence, including its severity.

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## WAKE-UP

Martinistraße 52

Hamburg

20246

Germany

Booth #: 44

<http://www.wakeup-stroke.eu>

WAKE-UP is a European multicentre investigator-initiated randomized placebo-controlled clinical trial of MRI based thrombolysis in acute stroke patients with unknown time of symptom onset, e.g. due to recognition of stroke symptoms on awakening. The objective of WAKE-UP is to test efficacy and safety of MRI-based intravenous thrombolysis with Alteplase in patients waking up with stroke symptoms or patients with unknown symptom onset. By this, WAKE-UP aims at providing a new safe and effective treatment option for acute stroke patients waking up with stroke symptoms.



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## Wisepress Medical Bookshop

25 High Path, Merton Abbey

London

SW19 2JL

UK

Booth #: 05A

<http://www.wisepress.com>

Wisepress.com, Europe's leading conference bookseller, has a complete range of books and journals relevant to the themes of the meeting. Books can be purchased at the stand or, if you would rather not carry them, posted to you – Wisepress will deliver worldwide. In addition to attending 200 conferences per year, Wisepress has a comprehensive medical and scientific bookshop online with great offers.



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## World Stroke Organization (WSO)

Rue François Vernonnex 7

Geneva

1207

Switzerland

Booth #: 42

[www.world-stroke.org](http://www.world-stroke.org)

The World Stroke Organization (WSO) is the world's leading organization in the fight against stroke. It was established in October 2006 through the merger of the International Stroke Society and the World Stroke Federation with the purpose of creating one world voice for stroke. Today, WSO has more than 2000 individual members and over 60 society members from 85 different countries.



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Last month, Paul was suffering from cognitive and motor impairment.  
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- Early recovery after stroke
- Regain full independence
- Increase quality of life

Muresanu, et al., 2016

**ABBREVIATED PRESCRIBING INFORMATION:** Name of the medicinal product: Cerebrolysin® - Solution for injection. Qualitative and quantitative composition: One ml contains 215.2 mg of porcine brain-derived peptide preparation (Cerebrolysin® concentrate) in aqueous solution. List of excipients: Sodium hydroxide and water for injection. Therapeutic indications: Organic, metabolic and neurodegenerative disorders of the brain, especially senile dementia of Alzheimer's type - Post-apoplectic complications - Craniocerebral trauma; post-operative trauma, cerebral contusion or concussion. Contraindications: Hypersensitivity to one of the components of the drug, epilepsy, severe renal impairment. Marketing Authorisation Holder: EVER Neuro Pharma GmbH, A-4866 Unterach. Only available on prescription and in pharmacies. More information about pharmaceutical form, posology and method of administration, special warnings and precautions for use, interaction with other medicinal products and other forms of interaction, fertility, pregnancy and lactation, effects on ability to drive and use machines, undesirable effects, overdose, pharmacodynamics properties, pharmacokinetic properties, preclinical safety data, incompatibilities, shelf life, special precautions for storage, nature and contents of the container and special precautions for disposal is available in the summary of product characteristics.



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# EBAC ACCREDITED EDUCATIONAL PROGRAMME

Organised by the Sahlgrenska Academy,  
University of Gothenburg, Sweden  
Course Director: Prof. Karl Swedberg



This programme is accredited by the European Board for Accreditation in Cardiology (EBAC) for 1 hour of external CME credit. Each participant should claim only those hours of credit that have actually been spent in the educational activity.

EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).



## Facing the global catastrophe of recurrent stroke or TIA: Advances in antiplatelet therapy for secondary prevention in the emergency setting

Wednesday 11<sup>th</sup> May | 12.45 – 14.15 | Hall A

### PROGRAMME

- 12:45 **Welcome and session objectives**  
S Claiborne Johnston, *USA*
- 12:50 **Recurrent ischaemic stroke: A personal, societal and global catastrophe**  
Valery Feigin, *New Zealand*
- 13:05 **Discussion**  
All
- 13:10 **High risk for recurrent stroke or TIA in the acute setting: Recognising and addressing a clinical emergency**  
Peter Rothwell, *UK*
- 13:25 **Discussion**  
All
- 13:30 **Antiplatelet therapy for secondary stroke / TIA prevention in the acute setting: Understanding the latest clinical developments to improve patient outcomes**  
S Claiborne Johnston, *USA*
- 13:55 **Discussion**  
All
- 14:05 **Summary and close**  
Werner Hacke, *Germany*

*Supported by an unrestricted educational grant from AstraZeneca*

In compliance with EBAC/EACCME guidelines, all speakers/chairpersons participating in this programme have disclosed or indicated potential conflicts of interest which might cause a bias in the presentations. The Organising Committee/Course Director is responsible for ensuring that all potential conflicts of interest relevant to the event are declared to the audience prior to the CME activities.





# The 2<sup>nd</sup> European Stroke Organisation Conference 2016

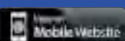
10-12 May, 2016 | Barcelona, Spain

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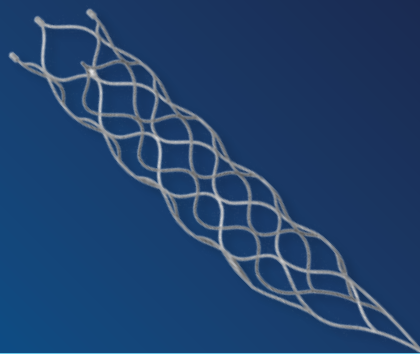
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## Bayer-sponsored satellite symposium

# Prevention and management of strokes with NOACs: How both study and real-world experience inform current practice

Tuesday 10 May 2016, 12:30–14:00

Chairs: Pierre Amarenco (Paris, France) and  
Graeme Hankey (Perth, Australia)

### Programme overview

- 12:30** Clinical trial and real-world evidence:  
A broad perspective from the literature  
Graeme Hankey
- 12:55** Real-world findings from  
the XANTUS study  
Pierre Amarenco
- 13:10** Practical considerations for stroke physicians:  
A case-based interdisciplinary debate  
Sven Poli (Tübingen, Germany) and  
Jan Beyer-Westendorf (Dresden, Germany)
- 13:40** Q&A and panel discussion  
All
- 13:50** Conclusion and close: Future perspectives  
for rivaroxaban for stroke prevention  
Pierre Amarenco



# Stroke prevention and management in current practice: optimising oral anticoagulation in NVAF and beyond

**Wednesday, 11<sup>th</sup> May**

12:45–14:15

**Room** Hall D

## Chair

Dr Antoni Dávalos - Spain

## Speakers

Professor Robert Hatala - Slovakia

Dr George Ntaios - Greece

Dr Karl Georg Häusler - Germany



## Agenda

| Time        | Title                                                                  |
|-------------|------------------------------------------------------------------------|
| 12:45–12:50 | Welcome and housekeeping                                               |
| 12:50–13:05 | Primary stroke prevention with NOACs                                   |
| 13:05–13:25 | Acute stroke management – considerations in the NOAC era               |
| 13:25–13:45 | Initiating prevention after acute stroke in NVAF and beyond            |
| 13:45–14:05 | Secondary stroke prevention in NVAF – are there alternatives to NOACs? |
| 14:05–14:15 | Closing remarks and Q&A                                                |

This Satellite Symposium is fully organised and funded by:



Date of preparation: March 2016 PP-ELI-EUR-0075

## Satellite Symposium

# Advancing anticoagulation care: the first NOAC with a specific reversal agent

**HC Diener, V Caso, R Bernstein, K Butcher, and M Grond**

Tuesday 10 May 2016, 12:30–14:00, Hall E

*Lunch will be provided*

## Interactive Discussions at the Boehringer Ingelheim Booth

Tuesday 10 May 2016

10:00 **Praxbind®▼\*: everything you need to know!**  
**J Eikelboom, K Butcher**

15:45 **Oral anticoagulant-associated ICH:  
how can a specific reversal agent help?**  
**R Bernstein**

Wednesday 11 May 2016

10:00 **Management of acute ischaemic stroke in AF  
patients taking an OAC**  
**J Eikelboom, K Butcher**

16:00 **Continuing research to reduce stroke burden:  
RE-SPECT ESUS™ and RE-SPECT CVT<sup>†</sup>**  
**JM Ferro**



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Ingelheim**

[www.Blsymposia.com](http://www.Blsymposia.com)

▼This medicinal product is subject to additional surveillance. Este medicamento está sujeto a seguimiento adicional.

\*Prescribing information is available from the booth. This product is not marketed in Spain due to a pending administrative decision on reimbursement and price. Este medicamento no está comercializado en España al encontrarse pendiente de precio y condiciones de reembolso por parte del SNS.

<sup>†</sup>RE-SPECT ESUS™ and RE-SPECT CVT are clinical trials evaluating indications for dabigatran not yet approved in Spain.

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YOU ARE INVITED

# ARE YOU READY FOR YOUR NEXT STROKE PATIENT?

## ACUTE STROKE SATELLITE SYMPOSIUM

WEDNESDAY 11<sup>TH</sup> MAY  
12:45 – 14:15  
HALL E

Join fellow stroke specialists and colleagues for a rich educational discussion co-chaired by Kennedy Lees and ESO President elect Valeria Caso.

An esteemed panel of global experts will present the latest evidence, justification and strategies for management of acute ischaemic stroke.

**VISIT OUR BOOTH** to find out more about the angels initiative and how we are working together to improve the quality of treatment for every stroke patient. Giving life a chance.

We look forward to seeing you there.

### AGENDA

CHAIRS: *Valeria Caso and Kennedy Lees*

- 12:45 To lyse or not to lyse?  
That is the question!  
*Kennedy Lees, UK*
- 13:05 Improving and evaluating  
processes of care and stroke  
units/networks  
*Atte Meretoja, Finland*
- 13:20 ENCHANTED insights into  
thrombolysis strategy  
*Craig Anderson, Australia*
- 13:35 Endovascular therapy with  
thrombolysis:  
who can the knight in shining  
armour rescue?  
*Carlos Molina, Spain*
- 13:50 Panel discussion  
*All*
- 14:15 End



# Balancing benefit and risk with non-VKA oral anticoagulants in AF-related stroke

2nd European Stroke Organisation Conference 2016 (ESOC 2016)

## Satellite Symposium

Wednesday, 11 May 2016

12:45-14:15

Barcelona, Spain

Hall F (Room 111), CCIB

Lunch will be provided

### 12:45 WELCOME

Professor Ángel Chamorro, Spain

### 12:50 RISK OF HAEMORRHAGIC STROKE WITH VKAs VS NOACs

Professor Heinrich Mattle, Switzerland

### 13:10 Q&A

### 13:20 BALANCING BENEFIT AND RISK IN PATIENT OUTCOMES: WHAT DOES THE ENGAGE AF-TIMI 48 TRIAL ADD?

Professor Freek Verheugt, The Netherlands

### 13:40 Q&A

### 13:50 INTERACTIVE CASE PRESENTATION

Dr Florian Masuhr, Germany

### 14:00 PANEL DISCUSSION OF INTERACTIVE CASE PRESENTATION

All

### 14:10 CLOSING REMARKS

Professor Roland Veltkamp, UK



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## Trevo™ XP PROVUE RETRIEVER

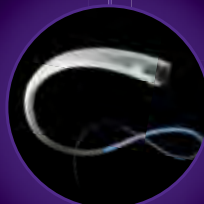


### Trevo™ XP ProVue Retrievers

**INDICATIONS FOR USE** The Trevo Retriever is intended to restore blood flow in the neurovasculature by removing thrombus in patients experiencing ischemic stroke within 8 hours of symptom onset. Patients who are ineligible for intravenous tissue plasminogen activator (IV t-PA) or who fail IV t-PA therapy are candidates for treatment.

### AXS Catalyst™ Distal Access Catheter

## AXS Catalyst™ 6 DISTAL ACCESS CATHETER



**INTENDED USE/INDICATIONS FOR USE** The AXS Catalyst Distal Access Catheter is indicated for use in facilitating the insertion and guidance of appropriately sized interventional devices into a selected blood vessel in the peripheral and neurovascular systems. It is also indicated for the removal/ aspiration of soft emboli and thrombi from vessels in the peripheral and neurovasculature.

### FlowGate™ Balloon Guide Catheter

## FlowGate™ BALLOON GUIDE CATHETER



**INDICATIONS FOR USE** FlowGate™ Balloon Guide Catheters are indicated for use in facilitating the insertion and guidance of an intravascular catheter into a selected blood vessel in the peripheral and neurovascular systems. The balloon provides temporary vascular occlusion during these and other angiographic procedures. The Balloon Guide Catheter is also indicated for use as a conduit for Retrieval devices.

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Look for “ESO Guidelines” in the Apple and Android stores.



App available for demonstration at the ESO booth in the exhibition.

The ESO Guidelines App is supported by AstraZeneca, Bayer Pharma AG and Daiichi Sankyo Europe GmbH with an unrestricted educational grant.

# STROKE UPDATE

Stockholm | 13–15 November 2016



## ESO-Karolinska Stroke Update Conference

Get the hottest updates on recent stroke therapy research and profit from the opportunity to discuss how these results may be implemented into clinical routine.

[www.eso-karolinska.org](http://www.eso-karolinska.org)







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An American Heart Association/American Stroke Association Journal

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*Provides early career clinicians better direction as to how to approach similar cases they encounter*

- Presents clinical vignettes of challenging cases seen in clinical practice, including an evaluation of the case, the management, and the outcome. Relevant literature related to the case is provided, as well as an outline with the "take home" points pertinent to the case.

### ***State-of-the-Science Nursing Review***

*For nurses and interdisciplinary team members involved in the care delivery process*

- Focuses on the unique contribution nursing plays in addressing prominent healthcare issues for those at risk for stroke, stroke survivors, and their families. Within this series, important aspects of evidence-based interventions and their associated outcomes are described. Key points to incorporate in care throughout the care delivery process are emphasized.

## Notes



## Notes



## Notes





## Notes

**JOIN US THIS WEDNESDAY** for a Milestone **CME Lunch** Satellite Symposium  
**Wednesday, May 11, 2016 | Complimentary Registration Begins at 12:45 hrs**  
Program Location: **International Convention Center of Barcelona (CCIB)** | Conference Room: **Hall B – Room 115**

# OPTIMIZING Stroke PREVENTION in AF

A YEAR 2016 UPDATE FOR THE  
NEUROLOGY AND STROKE SPECIALIST

Focus on the Role of  
Factor Xa Inhibition  
for Prevention of  
Thromboembolic Stroke  
in Atrial Fibrillation

PRINCIPLES OF PRACTICE AT THE FRONT LINES  
OF STROKE AND NEUROVASCULAR CARE



## PROGRAM CHAIR AND DISTINGUISHED FACULTY



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**Program Chairman**

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**PROFESSOR PETER VERHAMME, MD, PhD**

Center for Molecular and  
Vascular Biology | Department  
of Vascular Medicine and  
Haemostasis | University Hospital of  
Gasthuisberg | Leuven, Belgium

**Save the Time and Date: Wednesday Lunchtime, May 11, 2016**

**Time: 12:45 hrs – 14:15 hrs | Program Registration and Boxed Lunch: 12:45 hrs | City: Barcelona, Spain**

**Location: International Convention Center of Barcelona (CCIB) | Conference Room: Hall B – Room 115**

**NO PRE-REGISTRATION REQUIRED TO ATTEND**

Funded by an Independent Educational Grant From **Bayer Pharma AG**  
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# 3<sup>rd</sup> European Stroke Organisation Conference

16-18 May, 2017 | Prague, Czech Republic

A background image of a Prague street at dusk. In the foreground, there are silhouettes of statues and a lit street lamp. In the background, there are various church domes and spires, including the prominent St. Vitus Cathedral. The sky is a mix of purple and blue.

## Mark Your Calendar



[www.esoc2017.com](http://www.esoc2017.com)

