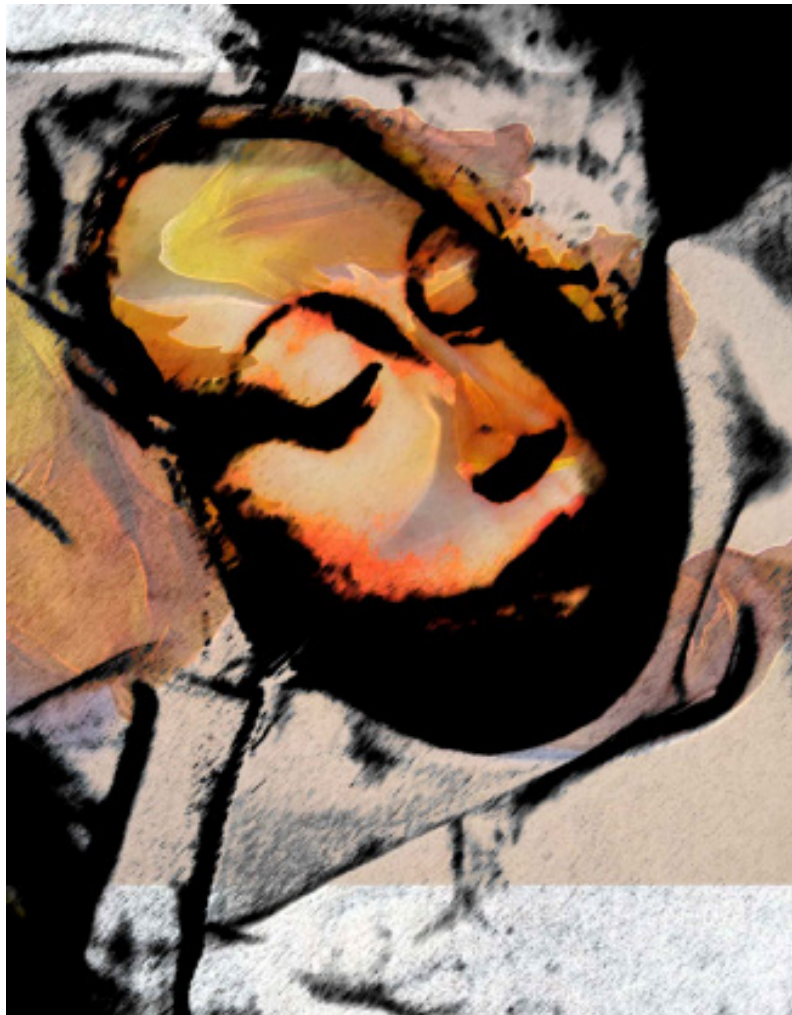


# European Delirium Association



## **6th Annual Scientific Congress**

**17 – 18 November 2011**

**Folkets Hus, Vasaplan,  
Umeå, Sweden**

For those arriving on Wednesday 16<sup>th</sup> a "Get together" is arranged at the Restaurant *Teatercafet* at 20.00 for a taste of the "Swedish smörgåsbord."



## The European Delirium Association

# The European Delirium Association 6th Annual Scientific Congress

**Thursday 17 November 2011**

8.00-9.00 **Registration and Coffee**

9.00-9.10 **Welcome and opening address**

*Jouko Laurila*, President of the European Delirium Association and Head of the Department of Internal Medicine and Geriatrics, Helsinki University Central Hospital, Finland, & *Birgitta Olofsson*, Chair of the Organising Committee, Department of Nursing, Umeå University, Sweden

### Session 1

9.10-9.40 **From pathophysiology to the bedside: 25 years of delirium research in Umeå**

*Yngve Gustafson*, Umeå University, Sweden

9.40-10.30 **Presentations from submitted abstracts:**

Creation of a risk profile for delirium in orthopaedic and trauma patients in a Swiss University Hospital. Part I: descriptive analysis

*Natalie Zimmerman*, Department of Orthopaedic and Trauma Surgery, Inselspital, University Hospital of Bern, Switzerland

Predictors and outcomes of delirium in hospitalised older adults

*Niamh O'Regan*, Department of Psychiatry, University of Limerick, Ireland

Symptom profile of postoperative delirium in patients with and without dementia

*Marika Lundström*, Department of Nursing, Umeå University, Sweden

Objective monitoring of the severity of attentional deficits in delirium using the Edinburgh Delirium Test Box Mark 2: a longitudinal study

*Zoë Tiegels*, Edinburgh Delirium Research Group, University of Edinburgh, Scotland

Different changes in the QTc duration during in hospital haloperidol use

*Marieke Blom*, Heart Failure Research Centre, Department of Cardiology, Academic Medical Center, University of Amsterdam, Amsterdam, The Netherlands

Chair: John Young

10.30-11.00

**Coffee and poster viewing**

11.00-11.30 **Presentations from submitted abstracts:**

Delirium increases risk of dementia but not through Alzheimer-type, vascular or Lewy body pathology: a population-based cohort study

*Daniel Davis*, University of Cambridge, England



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Preventing delirium in hip fracture patients through proactive multidisciplinary geriatric consultation  
*Mieke Deschodt, Catholic University Leuven, Belgium*

Outcomes from a shared care unit for older people with delirium  
*Joanna Cox, North Tyneside Hospital, Northumbria Healthcare Trust, North Shields, England*

11.30-12.30 **KEYNOTE TALK**

**Intervention studies in delirium**

***Edward Marcantonio, Harvard University, Cambridge, USA***

*Chairs: Jouko Laurila and Birgitta Olofsson*

12.30-13.45

**Lunch and poster viewing**

## **Session 2: Parallel Sessions**

13.45-15.15 **Parallel Session A: Hormones, stress and delirium**

**Stress and sex steroid effects in the brain and on behaviour**

*Torbjörn Bäckström, Umeå University, Sweden*

**Hormones and the ageing brain**

*Tommy Olsson, Umeå University, Sweden*

**Cortisol, stress and delirium**

*Alasdair MacLulich, University of Edinburgh, Scotland*

**Presentations from submitted abstracts:**

A novel hypothesis for the pathophysiology of delirium: Acutely compromised pathways of cerebral glucose utilisation

*Caroline Broadhurst, Betsi Cadwaladr University Health Board, Wrexham, Wales*

Polymorphisms in the melatonin receptor 1B gene and the risk of delirium

*Annemarieke de Jonghe, University of Amsterdam, The Netherlands*

*Chair: Sophia de Rooij*

13.45-15.15 **Parallel Session B: Delirium in practice**

**Setting up a delirium ward**

*Duncan Forsyth, Addenbrooke's Hospital, Cambridge, England*

**Effective delirium education: implementing findings from a Grounded Theory study into practice**

*Andrew Teodorczuk, Newcastle University, England*



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**E-learning as an onsite educational tool to improve skills and knowledge of healthcare providers in delirium prevention and treatment**

*Koen Milisen, Catholic University Leuven, Belgium*

**Improving delirium recognition in clinical practice  
Interactive discussion and formulation of action plan**

*led by Emma Reynish, Victoria Hospital Kirkcaldy, Scotland*

*Chair: Birgitta Olofsson*

15.15 **Coffee and poster viewing**

### Session 3

15.40-17.00 **Memory and MRI imaging of the brain**

*Lars Nyberg, Umeå University, Sweden*

**Neuroimaging studies in delirium**

*Karen Ferguson, University of Edinburgh, Scotland*

**CSF biomarkers for delirium in elderly hip-fracture patients**

*Joost Witlox, Medical Center Alkmaar, The Netherlands*

**Cholinergic depletion and acute inflammation combine to produce acute cognitive dysfunction**

*Colm Cunningham, Trinity College Dublin, Ireland*

*Chair: Alessandro Morandi*

17.00 **Close of session**

17.30 **Transport to Bjurholm for the Conference Dinner at the "Elkfarm"**

## Friday 18 November 2011

08.00-08.30 **Registration, poster viewing and coffee**

### Session 4

08.30-08.40 **Welcoming statement**

*Birgitta Olofsson, Chair of the Organising Committee, Department of Nursing, Umeå University, Sweden*

08.40-09.00 **Delirium and non-convulsive status epilepticus: clinical aspects**

*Christine Thomas, Gerontopsychiatrie Klinik, Evangelisches Krankenhaus, Bielefeld, Germany*



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09.00-09.20 **Neuroprotection in delirium**

Alessandro Morandi, Rehabilitation and Aged Care Unit, Ancelle della Carità Hospital, Cremona, Italy

09.20-10.00 **Presentations from submitted abstracts:**

Educational intervention can increase the recognition and reporting of delirium  
Thomas Clark, King's College Hospital, London, England

The 4A Test (4AT) for delirium and cognitive impairment: a pilot study  
Atul Anand, Edinburgh Delirium Research Group, University of Edinburgh, Scotland

Replication analysis for composition of the delirium motor subtype scale (DMSS) in a referral cohort from Northern India  
Sandeep Grover, Department of Psychiatry, Postgraduate Institute of Medical Education & Research, Chandigarh, India

Speech disturbances and delirium  
Markku Luukkanen, Department of General Practice, University of Helsinki, Finland

Chair: Christine Thomas

10.00-10.30 **Coffee and poster viewing**

10.30-11.00 **Presentations from submitted abstracts**

Temporal course of serum anticholinergic activity in the elderly after hip fracture: A biomarker for delirium?  
Stefan Kreisel, Gerontopsychiatrie Klinik, Evangelisches Krankenhaus, Bielefeld, Germany

Nursing environment and delirium in intensive care unit patients  
Irene Zaal, Intensive Care Unit, University Medical Centre Utrecht, The Netherlands

Statins and the daily risk of delirium in critically ill patients  
Alessandro Morandi, Rehabilitation and Aged Care Unit, Ancelle della Carità Hospital, Cremona, Italy

11.00-12.00 **KEYNOTE TALK**

**Prevention and treatment of delirium in the ICU**  
Prof Yoanna Skrobik, University of Montreal, Canada

Chairs: David Meagher and Barbro Robertsson

12.00-12.05 **Announcement: EDA Congress 2012, October 18-19, Bielefeld, Germany**

12.05-13.00 **Lunch and poster viewing**



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## Session 5

13.00-14.30 **Brain-damage mechanisms associated with cardiac surgery and cardiopulmonary bypass**  
*Karl Gunnar Engström, Umeå University, Sweden*

**Risk factors for delirium after cardiac surgery**  
*Nina Smulter, Umeå University, Sweden*

**Delirium assessment with Nu-Desc after cardiac surgery**  
*Helena Claesson-Lingehall, Umeå University, Sweden*

**Pain management in delirium**  
*Meera Agar, Flinders University, Adelaide, Australia*

**Presentations from submitted abstracts:**

Level of alertness, attention and delirium: a study using novel quantitative measures  
*Aisling McGrath, Edinburgh Delirium Research Group, University of Edinburgh, Scotland*

Use of the Abbreviated Mental Test Score and Confusion Assessment Method in acute hospital admissions  
*Chris Kay, North Tyneside Hospital, Northumbria Healthcare Trust, North Shields, UK*

Chair: Edward Marcantonio

14.30-15.00 **Coffee and poster viewing**

## Session 6: Parallel Workshops – Trials and Treatments

15.00-16.00 **1) The best possible RCT**  
*Edward Marcantonio and Yngve Gustafson*

**2) Pharmacological treatment**  
*David Meagher*

**3) An 'optimal' multisite observational study**  
*Yoanna Skrobik*

**4) Nursing interventions**  
*Birgitta Olofsson*

**5) Pain management in delirium: towards an EDA consensus statement**  
*Meera Agar*

16.00-16.30 **Feedback from the workshops**

16.30-17.00 **Awards for best oral and poster presentations**

**Closing statement**  
*Jouko Laurila, President of the European Delirium Association*