

European Delirium Association



6th Annual Scientific Congress

17 – 18 November 2011

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

For those arriving on Wednesday 16th 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

Improving recognition of delirium in clinical practice

Emma Reynish, Victoria Hospital Kirkcaldy, Scotland

Effective delirium education: Implementing findings from a Grounded Theory study

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

Chair: *Birgitta Olofsson*

15.15 **Coffee and poster viewing**

Session 3

15.45-16.45 **Memory and MRI imaging of the brain**
Lars Nyberg, Umeå University, Sweden

Neuroimaging studies in delirium
Karen Ferguson, University of Edinburgh, Scotland

Cholinergic depletion and acute inflammation combine to produce acute cognitive dysfunction
Colm Cunningham, Trinity College Dublin, Ireland

Chair: *Alessandro Morandi*

16.45 **Close of session**

17.00 **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

09.00-09.20 **Neuroprotection in delirium**
Alessandro Morandi, Rehabilitation and Aged Care Unit, Ancelle della Carità Hospital, Cremona, Italy



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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, Bielefeld, Germany, October 18-19**

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