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

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
Maria 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 Tieges, 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
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

**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 MacLullich, 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

**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
The European Delirium Association

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
The European Delirium Association

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-Lingeahll, 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*