Pathophysiology symposium

Radisson Blu Scandinavia Hotel, Oslo

Wednesday 4 November

Time	
09.00	Registration and coffee
10.00 to 15.30	Room: Scandinavia Scene Please see the separate program for details
13.00 to 14.00	Lunch: Restaurant

The 21st Annual Conference of the European Delirium Association
DELIRIUM – FROM MECHANISMS TO BETTER CARE

Radisson Blu Scandinavia Hotel, Oslo

Thursday 5 November

Time			
08.00 to 09.00	Room: Bærum EDA executive committee meeting		
08.30 to 09.30	Registration		
09.30 to 09.45	Room: Scandinavia Ballroom Welcome, practical info		
09.45 to 10.45 (45+15min)	Room: Scandinavia Ballroom *Chair*: Bjørn Erik Neerland Keynote 1 - **Liz Sampson (UK)** How can we get the message across to politicians and bureaucrats who plan health care services?		
10.45 to 11.15	Coffee break and posters		
11.15 to 12.30	Room: Helsinki *Chairs*: Sophie Leroy, Viktor Bublitz, Yorben Lodema, Julia van der A Parallel 1 Young EDA symposium	Room: København *Chairs:* Jacqueline Strik and Mark van Den Boogard. Parallel 2 Advancing Child-Centered Pediatric Delirium Care in the PICU	Room: Oslo *Chairs*: Stephanie Pilge and Alex Borroso Parallel 3 Beyond Delirium Guidelines: Creating Sustainable Systems for Perioperative Brain Health

	Sanchit Turaga (UK) and **Lily Elderton (UK)** ORCHARD-PS: delirium and dementia risk after acute illness **Hannah Moorey (UK)** Investigating Delirium in Older People Admitted to Hospital with Infection: The Challenges **Bram Tilburgs (NL)** The NIDUS workshop	**Sara Åkerman (Sweden)** Children's experience of pediatric intensive care and delirium explored through Photovoice **Jelena Golubovic (US)** Non-Pharmacological Interventions for Pediatric Delirium: Current Evidence and Future Directions **Nadia Zaim (US)** Proactive Psychiatric Consultation for Delirium Prevention and Management in the PICU **Roberta Esteves Vieira de Castro (Brazil)** Beyond Delirium: Implementing a Brain Health Approach in the Pediatric ICU	**Svenja Letz (GER)** From Delirium Guidelines to Sustainable Systems of Care: Lessons from Large-Scale Implementation **Peter Nydahl (GER)** Interprofessional Leadership, Family Engagement and Sustainable Delirium Care **Cynthia Olotu (GER)** Brain Health Before Surgery: Prehabilitation as a Delirium Prevention Strategy **Alex Barroso (SPA)** Reading the Vulnerable Brain: Intraoperative EEG and the Limits of Delirium Prevention
12.30 to 13.30	Lunch and posters Lunch: Restaurant		
13.30 to 15.00	Room: Helsinki *Chairs*: Kristin Markus and Eli Rudi Oral presentations 1 **Theme: Pathophysiology** **Yamini Ajmera** (13): To evaluate determinants and short-term and long-term outcomes of delirium in hospitalized older adults. **Maria Scheutz** (24): The relationship between MRI-based preoperative blood-brain barrier permeability and postoperative delirium symptom severity is modulated by intraoperative blood-loss **Sofie Lautrup** (39): Longitudinal Associations Between Immune-Regulatory Kynurenine Pathway Metabolites and Delirium **Yoonhyoung Jo** (41): Postoperative Delirium Is Associated with Cortical Gray Matter Loss Following Brain Metastasis Surgery: A Longitudinal MRI Study	Room: København *Chairs*: Sigurd Evensen and Thea Berntsen Oral presentations 2 **Theme: Phenomenology, diagnosis, risk factors** **Florence Gerakios** (25): Clinical delirium subtypes and associated one-year mortality, dementia and institutionalisation. **Rachael Lawson** (32): Developing a Parkinson'sDisease-Specific Delirium Diagnostic Tool: Internal Validation Using Penalised Regression **Sara Åkerman** (51): CAPD-defined delirium was highly prevalent in Swedish PICUs. **Stefan Holman** (60): Diagnostic accuracy and feasibility of the 4AT, including non-verbal adaptations, for delirium detection in critically ill patients: a prospective multicenter study	Room: Oslo *Chairs*: Wilhelm Frich and Kristine Verlo Oral presentations 3 **Theme: Treatment, outcomes** **Jian-An Su** (2): Delirium as an Early Mortality Signal in Older Inpatients: A Three-Year Comparative Survival Study **Anders Aasheim** (4): EEG Spectrogram- and BIS-Guided Anaesthesia Improves Emergence and Early Postoperative Cognitive Function: A Randomized Controlled Trial. **Eva Trompetter** (9): "My sister often tried to talk to the doctors about the delirium, but nothing came of it" - Care experiences and coping behaviour of relatives of older people with delirium **Christina Aggar** (45): PREDICT (Prevention and Early Delirium Identification Carer Toolkit)

	Christine von Arnim (43): Preoperative Plasma Amyloid-β1-40 Is Associated with Increased Risk of Postoperative Delirium after Cardiac Surgery: Results from the Prospective FINDERI Cohort **Yorben Lodema** (66): Widespread Alterations in Aperiodic EEG Activity in Delirium **Mathias Hella** (73): CSF α-synuclein seeding activity in delirium: exploring a potential link with Lewy body disease. **Tania Ahmed** (86): The Brain'sSweet Spot	**Matthew Luney** (62): Delirium severity after hip fracture: development and validation of a UK clinical prediction model **Sophie Leroy** (85): Standardizing EEG Acquisition in Delirium Research: Clinical and Technical Recommendations for Harmonization and Federated Analysis **Aline Nixon** (87): Poor Physical Function, a Key Risk Factor for Development of Post-operative Delirium in Older Adults. A Systematic Review and Meta-analysis **XiangLu Xiao** (95): PharmkGPT, a biomedical knowledge graph to support evidence-grounded question answering and literature exploration across delirium and AD.	**Sining Zeng** (63): Perioperative Music Interventions for Prevention of Postoperative Delirium in Adult Patients: A Systematic Review and Meta-analysis **Rose Penfold** (65): Delirium on admission and subsequent dementia subtype: a population-based cohort study of older adults **Sanchit Turaga** (89): Delirium occurrence across dementia subtypes in older hospital patients: ORCHARD-EPR cross-sectional study
15.00 to 15.30	Coffee break and posters		
15.30 to 16.30	Room: Scandinavia Ballroom *Chair*: Colm Cunningham Maeve Leonard Award (15 min) and lecture (40 min) **Winner 2025: Meera Agar (AUS)** Two Vulnerabilities, One Imperative: Research for Better Delirium and Palliative Care		
16.30 to 17.15	Room: Scandinavia Ballroom General assembly		
17.15 to 17.30	Walk to Oslo City Hall		
17.30	Check in and distribution of admission passes at Oslo City Hall		
18.00 to 19.30	Reception at Oslo City Hall		
20.00	Social dinner at Oche Torggata		

Friday 6 November

Time	
08.00 to 08.45	Room: Skagerak EDA board meeting

08.50 to 09.00	Room: Scandinavia Ballroom Welcome and information **Special Address by Director General of Health Cathrine M. Lofthus**		
09.00 to 10.00	Room: Scandinavia Ballroom *Chair*: Leiv Otto Watne Keynote 2 – **Robert D. Sanders (AUS)** Network dysfunction in delirium		
10.00 to 10.30	Coffee break		
10.30 to 11.45	Room: Helsinki *Chairs*: Liz Sampson and Meera Agar Parallel 4 Adaptive platform trials **Meera Agar (AUS)** Adaptive platform trials: an innovative methodology for discovering new delirium treatments in heterogeneous hospital populations **Alexandra Feast (UK)** From exclusion to inclusion: people and community involvement to address inequalities in delirium trials **Rob Sanders (AUS)** Building an early-phase (2a/b) pipeline for mechanism-targeted delirium treatments. **Anita Nitchingham/ Peter Lange (AUS)** The example of sleep and optimising cerebral metabolism: potential therapeutic trials of insulin and melatonin in older adults with delirium	Room: København *Chairs*: Koen Milisen and Bjørn Erik Neerland Parallel 5 Scaling Up Delirium Detection and Care **Alasdair MacLullich (UK)** Effective large-scale delirium assessment in routine care is possible: the 4AT as an exemplar **Norwegian Board of Health Supervision, Lena Korsnes (NOR)** Putting Delirium on the Agenda - National Supervision to Support Ownership, Learning and Improvement **Katinka Nordheim Alme (NOR)** How to become better?	Room: Oslo *Chairs*: Cynthia Olotu and Esther Oh Parallel 6 Pathophysiology themes **Colm Cunningham (IR)** Updating the pathophysiological picture: from medical precipitant to cellular & molecular impacts on neuronal function **Hans Christian Boesen (DEN)** Glymphatic dysfunction: a unifying hypothesis for delirium
11.45 to 12.45	Lunch and posters Lunch: Restaurant		
12.45 to 14.00	Room: Helsinki *Chairs*: Sara Åkerman and Roberta E Vieira de Castro	Room: København *Chairs*: Anita Nitchingham and Sikandar Khan	Room: Oslo *Chairs*: Wolfgang Hasemann and Isabella Glaser

	Parallel 7 Delirium in the Developing Brain **Jacqueline Strik (NED)** Recognising Paediatric Delirium Across Developmental Stages: From Clinical Observation to Daily Practice **Husam Salamah (NED)** Can Neonates Become Delirious? Diagnostic Boundaries and Prospective NICU Data **Britney Broeders (NED)** Beyond Survival: Paediatric Delirium as a Predictor of Health-Related Quality of Life After PICU Admission	Parallel 8 ADA/ADS symposium **Leanne Boehm (US)** An update on ADS activities and initiatives **Sikandar Khan (US)** What's in the blood? Biomarkers in Patients with Intensive Care Unit Delirium – A Pilot Study **Somnath Bose (US)** Personalized Communication and ICU Delirium: Lessons from the EMERGE Trial **Anita Nitchingham (AUS)** An update on ADA activities and initiatives **Gideon Caplan (AUS)** Sensational delirium research	Parallel 9 Delirium and big data – key epidemiological findings in delirium **Rose Penfold (UK)** From delirium to dementia: insights from linked routine healthcare data **Sarah Pendlebury (UK)** Establishing the infrastructure for real-world delirium research: ORCHARD portfolio studies **Wilhelm Frich (NOR)** Delirium in the population: findings from the HUNT study
14.00 to 14.30	Coffee break		
14.30 to 15.45	Room: Helsinki *Chairs*: Stefan Kreisel and Gideon Caplan Parallel 10 Grant writing, research planning, research resources **John Devlin (US) and Esther Oh (US)** NIDUS-III: Opportunities for European Delirium Investigators – 30 minutes **Emma Vardy (UK)/Meera Agar (AUS)** Result of UK and Australian delirium priority setting partnership for research	Room: København *Chair*: Sikandar Khan Parallel 11 Science to Practice - Music-Based Interventions (MBI) for Mitigating Delirium **Bjørn Erik Neerland (NOR)** How should we assess the effect of MBIs on delirium symptoms? **Jelena Golubovic (NOR)/Kristi Stedje (NOR)** Live and Recorded Music Interventions for Delirium in Older Adults: Feasibility, Mechanisms, and Outcomes **Sikandar Khan (US)**	Room: Oslo Parallel 12 Simulation-based education for delirium training – an interactive workshop **Miarca ten Broeke (NED)** **Thomas H. Ottens (NED)** **Frank R. Halfwerk (NED**

		When the Brain Listens: Neurobiological Effects of Slow-Tempo Music on Inflammatory Pathways and Delirium in the ICU **Babar Khan (US)** Effect of Music on Delirium in Critically Ill Older Adults: Implications for Future ICU Delirium Studies	
15.45 to 16.00	Break		
16.00 to 16.30	Room: Scandinavia Ballroom Wind up and farewell – prize winners		