Masterclass Dementia and Delirium Program

This seminar will be delivered by a combination of a 6-week self-paced learning package followed by a live one-day seminar

Self-paced learning package
Available Friday 5 April 2024

Topic 1: Dementia	
Topics covered & presenters	**Learning objectives**
Pathophysiology	• Outline the pathophysiology underlining common types of dementia • Describe basic brain anatomy and how damage to different areas leads to specific cognitive symptoms • Understand the risk factors for dementia and cognitive decline and what can be done to mitigate this risk • Explain hypothesized pathophysiology for upcoming treatment options
Diagnosis and cognitive tests	• Outline the steps and complexities involved in a dementia diagnosis • Understand how brain imaging techniques aid a dementia diagnosis • Interpret the results of commonly used cognitive tests and how clinicians may apply these results in practice
Available treatments	• Overview the pharmacology of anticholinesterases and memantine • Interpret the evidence for these therapies in the different types of dementia • Discuss the limitations of these therapies and their role in practice
Future treatments	• Interpret the evidence for anti-amyloid therapies for Alzheimer's Disease • Evaluate the proposed benefits and limitations of anti-amyloid therapy and their role in the management of dementia

BPSD in dementia	- Describe the different types of behaviours that may occur and identify which behaviours are appropriate for pharmacological management - Evaluate the evidence available for antipsychotic use in BPSD - Compare and contrast the different antipsychotics used for BPSD and identify appropriate therapy - Identify the risks involved in antipsychotic use and how antipsychotic stewardship may mitigate these risks
Topic 2: Delirium	
Topics covered & presenters	**Learning objectives**
Background	- Describe the common types of delirium presentations and their associated risks. - Identify the risk factors for delirium: modifiable and non-modifiable. - Overview the epidemiology of delirium. - Describe predisposing and precipitant risk factors for delirium. - Define the concept of the vulnerable brain. - Outline the systems integration failure hypothesis.
Diagnosis	- Describe the common tools used to detect delirium. - Describe the detection and evaluation of a patient with delirium: to touch on delirium in different settings, ICU/post-op/EOLC etc.
Management & Pharmacist role	- Outline the non-pharmacological interventions used to manage patients with delirium. - Describe the differences in pharmacological management based on delirium cause e.g. substance withdrawal, end of life. - Discuss how medications can precipitate delirium.

	• Describe common medications that can precipitate/compound delirium focusing on neurotransmitter pathways. • Outline the evaluation and management of delirium and the role of interprofessional team members in collaborating to provide well-coordinated care and enhance patient outcomes.
Behaviours of concern in delirium	• Describe the different types of behaviours that may occur and identify which behaviours are appropriate for pharmacological management in delirium. • Evaluate the evidence available for antipsychotic use in delirium. • Compare and contrast the different antipsychotics used for behaviours of concern in delirium and identify appropriate therapy

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Live virtual seminar: Saturday 18 May 2024
All times listed are in AEST. The below may be subject to change

Time AEST	Session
0900 – 0910	**Welcome/introductions**
0910 – 0930	**Q&A from self-paced learning package**
Part 1: Dementia	
0930 – 1030	**Case Session 1: Dementia** **Case lead: Anna Jennings,** *Senior Clinical Pharmacist, Health of Older People Unit, Alfred Health, Vic*
1030- 1040	**Morning tea break**
1040 – 1110	**Presentation: Complex BPSD** **Nadia Mouchalieh,** *Senior Aged Care Pharmacist, Austin Health, Vic*
1110 - 1140	**Case Session 1.2: Dementia** **Case lead: Anna Jennings,** *Senior Clinical Pharmacist, Health of Older People Unit, Alfred Health, Vic*
1140 - 1210	**Expert Panel Discussion – Dementia** **Danielle Byrne,** *Cognition Clinical Lead, Monash Health, Vic* **Dr Julie Lustig,** *Medical Lead for Delirium, Dementia and Cognitive Impairment, Monash Health, Vic* **Nadia Mouchalieh,** *Senior Aged Care Pharmacist, Austin Health, Vic*
1210 - 1240	**Lunch break**
Part 2: Delirium	
1240 – 1330	**Case Session 2: Hyperactive Delirium** **Case lead: Alexandra Brown,** *Quality Coordinator for Outpatient and Diagnostic Services; Clinical Pharmacist, Northern Health, Vic*
1330 - 1400	**Presentation: Managing behaviours of concern in delirium** **Dr Kim Jeffs,** *Geriatrician, Northern Health, Vic*

1400 – 1410	**Afternoon tea break**
1410 – 1500	**Case Session 3: Hypoactive Delirium** **Case lead: Vidya Menom,** *Senior Pharmacist, RCT/OPAL - Geriatrics, Flinders Medical Centre, SA*
1500 – 1530	**Expert Panel Discussion – Hypoactive and Hyperactive Delirium** **Danielle Byrne,** *Cognition Clinical Lead, Monash Health, Vic* **Dr Julie Lustig,** *Medical Lead for Delirium, Dementia and Cognitive Impairment, Monash Health, Vic* **Gauri Godbole,** *Specialist Aged and Palliative Care Pharmacist, Gosford Hospital, NSW*
1530 – 1545	**Presentation: Polypharmacy Stewardship Roles** **Dr Nashwa Masnoon,** *Postdoctoral Research Fellow, University of Sydney, NSW*
1545	**Program wrap up & close**

Please note: presentation recordings from the live virtual seminar will not be available