



Dementia MasterClass 8.1

(Practical dementia diagnosis and care)

Module 1: 26th & 27th of September 2024 - Halifax Hall, Sheffield

Pre-recorded sessions

- **Biology of neurodegeneration - basic protein misfolding**

Prof Peter Passmore, professor of ageing & geriatric medicine, Queen's University Belfast

Day 1: Thursday, 26th September 2024

09:00 Registration

09:30 Welcome and setting the scene

Prof Iracema Leroi, professor of geriatric psychiatry, Trinity College Dublin

- Housekeeping
- The changing landscape for dementia and brain health

09:50 Background and introduction to dementia

Dr George Crowther, consultant in old age liaison psychiatry, Leeds and York Partnership Foundation Trust

- What is SCI, MCI, dementia?
- Presentation of the clinical syndrome (preclinical/prodromal/dementia)
- Stages of dementia
- Epidemiology

11:00 Introduction to the neuropathology of dementia

Dr Liam Kennedy, senior registrar old age psychiatry, St. Vincent's Healthcare Group

- Neuropathology of neurodegeneration
- The new biological classification of Alzheimer's (added)
- Role of biomarkers and relation to underlying neuropathology

12:00 Lunch



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13:00 Diagnosis of typical and atypical clinical phenotypes (case-based)

All Faculty and room discussion

Table discussion, feedback, topic slides

- **Subjective cognitive decline - include new criteria and distinguishing from non degenerative**
Case: a middle-aged woman with no cognitive impairment and a family history of Alzheimer's disease
- **Amnesic cognitive impairment (i.e. 'typical') presentation**
Dr Gregor Russell, consultant old age psychiatrist, Bradford District NHS Foundation Trust
- **Non-amnesic cognitive impairment presentation**
Dr Dan Blackburn, senior lecturer and honorary consultant neurologist, Sheffield Institute for Translational Neuroscience
- **Motor and cognitive impairment presentation**
Dr Adam Roche, geriatrics registrar and lecturer, Trinity College Dublin
- **Language impairment predominant presentation**
- **Behaviour predominant presentation**
Prof Iracema Leroi

17:30 End of day round up

Prof Iracema Leroi

17:40 Sessions closed

19:00 Pre-dinner drinks

19:30 Informal dinner and networking (dining room)



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Day 2: Friday, 27th September 2024

08:00 Registration

08:15 Welcome

Dr Gregor Russell

08:30 Management across the lifespan of cognitive neurodegeneration – exploring cases

1. Pre-symptomatic case: what are the risk factors for dementia and what evidence supports prevention?

Case: 58 year old woman, ApoE4 positive, mother and sister have Alzheimer's disease

2. Symptomatic therapy case 1: early-stage cognitive impairment

Case: 67 year old retired man with early memory and cognitive changes

Dr Gregor Russell

- New and future therapies for Alzheimer's disease

3. Symptomatic therapy case 1: typical amnesic Alzheimer's

Case: 78 year old woman, becoming more forgetful

Prof Iracema Leroi

10:30 Refreshments

4. Symptomatic case 2: Parkinson's disease dementia / Lewy body dementia

Case: 67 yr old man diagnosed with MCI who develops orthostatic hypotension and RBS

Dr Adam Roche

5. Symptomatic case 3: language dominant dementia

Dr Dan Blackburn

6. Symptomatic case 3: BPSD mini-cases

Dr George Crowther

12:30 Lunch

This meeting has been part funded by sponsorship from Eisai Limited. The sponsor did not initiate this meeting, nor has Eisai had any input into the organisation or educational content of this meeting.



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13:30 Cognitive assessment

15:00 Fluid biomarkers

Dr Adam Roche

15:30 Introduction to neuroimaging

Dr Dan Blackburn

- How to interpret vascular scans
- Amyloid PET
- DAT

16:00 Refreshments

16:15 Quality improvement project introduction

Prof Iracema Leroi

16:45 Closing remarks

17:00 End of day & depart