



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

10:00 Registration

10:30 Welcome and setting the scene

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

- Housekeeping
- The changing landscape for dementia and brain health

10:50 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

12:00 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

13:00 Lunch



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14:00 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

Dr Marc Edwards, consultant neurologist, Cardiff & Vale University Health Board

- **Amnestic cognitive impairment (i.e. 'typical') presentation**

Dr Gregor Russell, consultant old age psychiatrist, Bradford District NHS Foundation Trust

- **Non-amnestic cognitive impairment presentation**

Dr Dan Blackburn, senior lecturer and honorary consultant neurologist, Sheffield Institute for Translational Neuroscience

15:30 Refreshment break

16:00 Diagnosis of typical and atypical clinical phenotypes (case-based) continued...

- **Language impairment predominant presentation**

Dr Richard Bevan-Jones, academic clinical lecturer in neurology & honorary specialty registrar, University of Sheffield & Sheffield teaching hospitals NHS Foundation Trust

- **Motor and cognitive impairment presentation**

Dr Adam Roche, geriatrics registrar and lecturer, Trinity College Dublin

- **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

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

Day 2: Friday, 27th September 2024

08:00 Registration

08:30 Welcome

Dr Gregor Russell

08:40 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

Dr Marc Edwards

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

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 (Early dementia)

Case: 78 year old woman, becoming more forgetful

Prof Iracema Leroi

10:20 Refreshments

10:50 Management across the lifespan of cognitive neurodegeneration – exploring cases continued...

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 Richard Bevan-Jones

6. Symptomatic case 3: BPSD mini-cases

Dr George Crowther

12:30 Lunch

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13:30 Fluid biomarkers

Dr Dan Blackburn

14:00 Cognitive assessment

Speaker (TBC)

14:30 Refreshments

15:30 Introduction to neuroimaging

Speaker TBC

- How to interpret vascular scans
- Amyloid PET
- DAT

16:15 Quality improvement project introduction

Prof Iracema Leroi

16:45 Closing remarks

17:00 End of day & depart