

Alzheimer's Advanced MasterClass 1 – Module 1

Module 1: 18 & 19 May 2021 – DRAFT PROGRAMME

Who is this MasterClass for?

- Dementia specialists from Neurology or Old Age Psychiatry
- Geriatricians or care of the elderly consultants

Day 1 – Diagnosis

08:30 Registration and coffee

09:00 Neuropathology

- Biochemistry of Amyloid and Tau
- Braak staging
- Mixed Neuropathology and implications
- Clinicopathological correlation
- Pathological cases

10:00 Structural neuroimaging

- MRI changes in AD – MTA scoring. Influence of Vascular disease.
- Volumetric MRI
- DTI possibilities
- Advanced sMRI biomarkers

11:00 Refreshment break

11:30 Molecular staging

- AT(N)™ classification and the Alzheimer spectrum
- The influence of APOE on pre-test probability of disease
- Interpretation of PET results
- Interpretation of CSF results
- The future of AD biomarkers in diagnosis
- Case studies

12:45 Networking lunch

13:30 Neuropsychological assessment

- RBANS
- WAIS
- ADAS-Cog
- Delayed word recall as a hippocampal specific marker
- Other things
- Cases

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15:00 Communicating risk of progression of cognitive problems

- Public perception of risk
- Graphic representations of risk
- Getting from Dementia to “diseases underlying”
- No AD but clear decline.

**16:00 Debate APOE
To APOE or not to APOE**

17:30 Close of day 1

18:45 Pre-dinner drinks

19:15 Networking dinner

Day 2 – Treatment

09:00 Monitoring treatments with DMTs

- ARIA-E and ARIA-H monitoring
- Neuropsychological monitoring
- Monitoring patient outcomes
- How long to treat?

10:00 Health economics of DMT's

- The LSE models, Knap Schott et al; the RAND report
- NHS implications
- Social care benefits, healthcare pays?

11:00 Non-pharmacologic risk reduction

12:00 Networking lunch

13:00 Future mechanisms of disease reduction

14:00 Setting up molecular diagnostics and DMT clinics

15:00 Projects planning

16:00 Close and depart

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Mentorship phase begins with KOLs

Module 2 (6 months later): Projects

- 09:45 Registration and coffee**
- 10:00 Welcome introduction**
- 09:00 What's happened since we last met**
- Hot topics
 - Updates
- 11:00 Refreshment break**
- 11:30 Project poster presentation and discussion**
Chairs: Dr Ross Dunne & TBC
- 12 x 5 mins
- 12:30 Lunch**
- 13:15 Project poster presentation and discussion**
Chairs: Dr Ross Dunne & TBC
- 13 x 5 mins
- 14:20 Complex Case discussion**
- 16:00 Closing remarks and depart**
- 16:15 Bus leaves for station**