



Central Nervous System (CNS)



Our expertise



MAC is the neuroscience centre of excellence in the UK



72% of all studies we conduct fall within a CNS therapeutic area



Our medical leadership team share **80+** years experience in clinical research and drug development



We have conducted a total of **155** CNS studies in **19** different indications

Studies by CNS area

Cognitive Disorders

- Alzheimer's Disease (mild to severe)
- Agitation with Alzheimer's Disease
- Prodromal/Early Onset Dementia
- Parkinson's Disease-Related Cognitive Dysfunction
- Mild Cognitive Impairment

Psychiatric Disorders

- Major Depressive Order
- Mixed Depression
- Bipolar Disorder
- Generalized Anxiety Disorder
- Social Anxiety Disorder
- Depression with Erectile Dysfunction
- Obsessive Compulsive Disorder
- Post Traumatic Stress Disorder
- Bulimia

Pain

- Complex Regional Pain Syndrome
- Fibromyalgia
- Migraine
- Post Traumatic Neuralgia
- Post Herpetic Neuralgia
- Peripheral Neuropathy
- Diabetic Neuropathic Pain
- Osteoarthritis of the Knee
- Psoriatic Arthropathy
- Tennis Elbow

Sleep

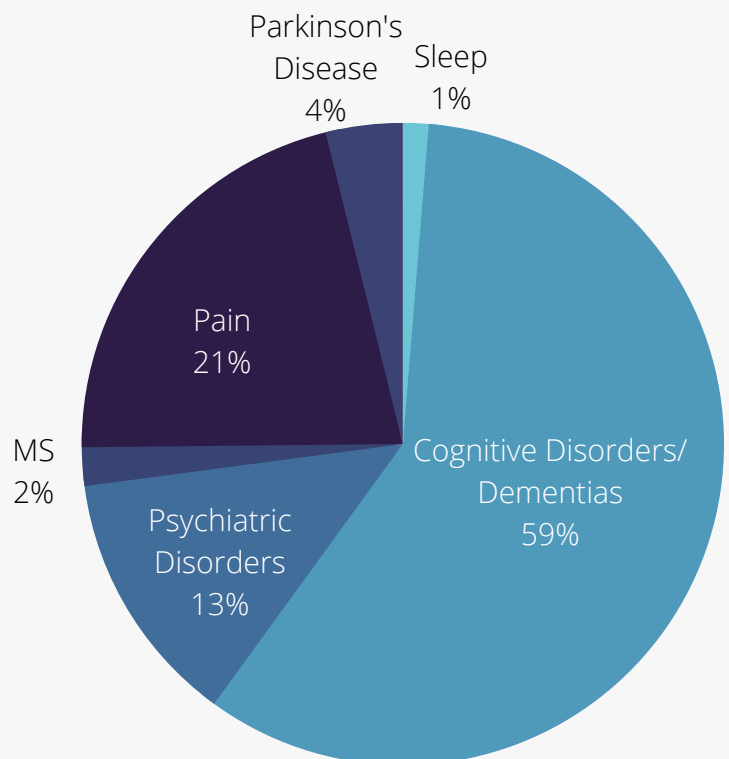
- Insomnia with Depression
- Narcolepsy

Parkinson's Disease

- Mild to moderate Parkinson's Disease

Multiple Sclerosis

- Spasticity in MS



Our panel of experts



Dr Mark Dale
Chief Executive Officer



Dr Shoona Vincent
VP of Clinical Science



Dr John Connell
Chief Scientific Officer



Dr Aliya Asher
Chief Medical Officer

CNS - our experience

- Our heritage stems from being the first-ever memory assessment centre based in the UK. Whilst Cognitive Disorders like Alzheimer's disease continues to be a key area of focus for MAC we continue to evolve and include an ever expanding range of therapeutic areas for study.
- We specialise in the diagnosis of neurodegenerative disorders, with a particular focus on very early onset dementias MCI/Mild AD, along with those with potential genetic causes.
- We have facilities and expertise to conduct studies in a wide range of Psychiatric disorders. We have medical and clinical teams of highly skilled and experienced Psychometric raters who can perform a variety of psychometric/ cognitive assessments, rating scales and tests as well as diagnostic and efficacy endpoints in multiple psychiatric conditions such as MADRS, MINI, CogState, PANSS, CAPS-5, ADAS-Cog and more.
- Since 2005, we have been involved in designing, executing, and analysing several pain syndrome trials. Our team has experience investigating a range of diverse pharmacological classes and non-addictive pain compounds with novel modes of action.
- We are highly experienced in conducting FIH/early phase/POC studies with small molecules, large molecules, disease modifying agents and vaccines in MCI/Mild AD, MS, PD, MDD and other psychiatric conditions . We have full capabilities for in-house residential patient stays and a team of consultants/ specialists including neurologists. anesthetists and psychiatrists.
- We have extensive experience in conducting CSF sampling procedures for biomarker collection in Healthy Volunteers, MCI/ Mild AD, and PD patients.
- Our Imaging capabilities includes PET, MRI, ASL-MRI, and CT.

MAC Clinical Research

- ✓ Over 30 years' experience in conducting clinical studies
- ✓ Full-service CRO with global reach
- ✓ 8 fully-owned research facilities in the UK
- ✓ Experts in healthy volunteer and patient recruitment



3 year summary



100+
Sponsors



Over **230**
studies



40
Indications



Access to over **30m** people
within 30 minutes of our facilities

Our Services



CLINICAL RESEARCH SERVICES

- Project Management
- Clinical Operations
 - Site Monitoring
 - Site Management
 - Trial Feasibility
- Pharmacovigilance
- Regulatory Affairs
 - Biometrics
 - EDC
 - Data Management
 - SAS Programming
 - Biostatistics
 - Medical Writing
- Vendor Management
- Randomization and Trial Supply Management
 - Digital Solutions
 - Electronic Patient-Reported Outcomes (ePRO)
 - eConsent
- Medical Monitoring



SITE & PATIENT SERVICES

- Participant Recruitment
- Participant Retention
- Global Investigator Sites
- Network of Fully-Owned Investigator Sites
 - Sleep Laboratory
 - Early Phase Unit
 - Psychedelic Testing Suites
 - Phase I - IV Research Facilities
 - Memory Assessment Research Centre



SCIENTIFIC SOLUTIONS

- Human Models of Disease
- Scientific Services and Endpoint Assessments
 - Cardiovascular Assessments
 - Cognitive and Neuropsychological Assessments
 - Dermatology Assessments
 - Imaging Assessments
 - Neurophysiology Assessments
 - Pain Assessments
 - Other Assessments
 - Rare diseases
- Sleep Assessments
- Psychodelics
- Training



PHARMACEUTICAL SERVICES

- GMP Manufacturing
- In-House Pharmacy
- Global Clinical Supplies
- QP Release
- IMP Management & Distribution
- Controlled Drug Services
- Laboratory Services
 - Clinical Pathology
 - Bioanalytical Services



STRATEGIC CONSULTANCY

- Therapeutic Area Expertise & Study Development
- Scientific Solutions & Pharmacodynamics
- Clinical Science & Development
- Medical Strategy, Input & Expertise
- Statistical Analysis, Planning & Advice
- Medical Writing
- Laboratory Study Design, Methods & Conduct