The ADAMS project: a genetic Association study in individuals from Diverse Ancestral backgrounds with Multiple Sclerosis: Protocol and baseline results.

**Background**
- Genetic studies of Multiple Sclerosis (MS) have focussed on people of European ancestry.
- MS affects people of all ethnic backgrounds and may be more aggressive in minority ethnic groups.
- Failure to include diverse populations in genetic studies of MS may exacerbate health disparities.

**Aims**
- Establish a large genotyped cohort of people with MS from diverse ancestral backgrounds.
- Assess the degree of replication of European MS risk variants in other ancestries.
- Enhance the generalisability of MS genetic risk scores to other ancestries.

**Study design**
- Clinical sites Barths/QMUL MS register Primary care Social media/press
- Online recruitment In-person recruitment
- Demographic questionnaire Record linkage
- Oragene-600 saliva kits (remote/in-person)
- Genotyping on Illumina GSA v3
- Combine with control cohorts
- Susceptibility (case-control) Severity (case-only)
- Genetic analysis

**Demographics**
- Age of MS diagnosis
- MS subtype
- Sex
- Proportion

**Recruiting network**
- Leeds University Hospitals
- Bradford
- Nottingham
- Royal London Hospital
- Imperial
- Kings College Hospital
- Lewisham & Greenwich
- Queens Hospital, Romford

**Website**
https://app.mantal.co.uk/adams

**Recruitment timeline**
- Cumulative N
- Year

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