



CASE STUDY

Boosting Multi-Center, Global Collaboration to Develop Novel Personalized Medicine Approaches for Multiple Sclerosis (MS) Patients



Overview

Coming together in the MultipleMS consortium, universities and companies across 11 European countries and the US including the Roland Henry Lab at UCSF are uniting efforts to tailor the development and application of therapies to the individual Multiple Sclerosis patients.

The Challenge

A large, complex multi-center study, combining prospective, retrospective and other heterogeneous data. A large amount of data (of 3000-4000 MRI datasets) needed to be uploaded from 16 global locations over a 5 year period, processed and analyzed using advanced neuroimaging tools, to ultimately produce consistent reporting for the entire consortia study.

Results

QMENTA Platform integrates data of 3000 subjects from 15 different sites including UCSF, Karolinska Institute, KU Leuven and University of Cambridge in a HIPAA compliant environment.

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“A cloud-based software platform that can handle global data in multiple formats including automatic recognition and classification of neuroimages and advanced analysis is essential to large scale scientific collaborations like the MultipleMS project.”

– Roland Henry, PhD, Principal Investigator, UCSF

QMENTA's end-to-end imaging and data management capabilities offers - Simplicity of Use - by handling difficult tasks and software configurations enabling large scale, global research projects.

- QMENTA cloud-based platform** enables global data collection and collaboration.
- Privacy and protocol** compliance upon upload.
- Data upload** and integration from a PACS system, API, EDC or eCRF.
- Advanced AI Analysis** tools enabling new biomarkers to be evaluated.
- Collaboration & Workflow Processes** including country level data and personal level access permissions.
- Highest quality data** facilitates shareable, meaningful reports and data exports.

Results

- 15 center data aggregation, 3000 subjects**
- 80% Time Saved Estimate, or \$467K over 3 years**
- 1 Biomarker validated to date**