

# Cantab Connect Research Multiple Sclerosis



## The Cognitive Assessment System for Academic Studies

Cantab Connect Research MS is the cloud-based cognitive assessment and data collection system for precise, validated and objective measurement of brain function in studies researching Multiple Sclerosis.

### Product overview:

- ✓ 25 minutes per subject
- ✓ Repeatable assessments
- ✓ Standardized testing
- ✓ Automatic scoring

### Measures include:

- Processing speed
- Working memory
- Episodic memory
- Sustained attention
- Executive function

### Key features

*Touchscreen* tests increase precision and ease of use.

*Highly sensitive* to cognitive impairment, drug effects and changes over time.

*Objective and translational* Cantab tests are independent of language and cultural bias, ideal in multi-national studies.

*Adaptive test versions* for patients and healthy volunteers.

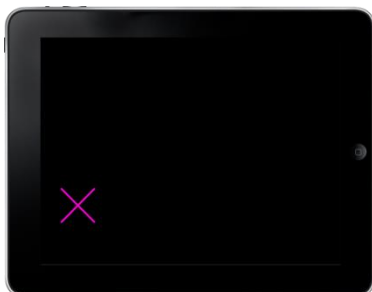
### The Cantab Connect Cloud

Access secure real-time data from multiple testing devices and sessions anytime, anywhere via the cloud. Automatic data scoring and monitoring improves quality and efficiency.

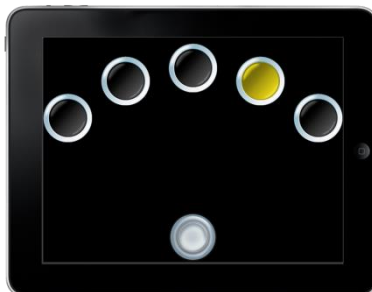


## Multiple Sclerosis test panel

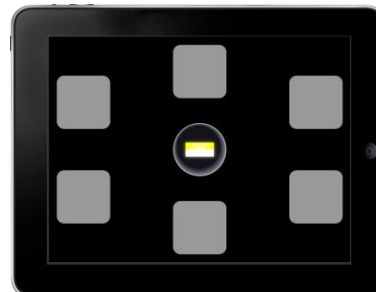
Our recommended battery for testing cognitive domains of importance in Multiple Sclerosis.



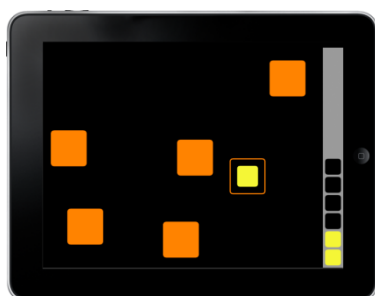
**Test Familiarization**  
CANTAB Motor Control task.



**Processing and Psychomotor Speed**  
CANTAB Reaction Time task.



**Visuospatial Episodic Memory**  
CANTAB Paired Associates Learning task.

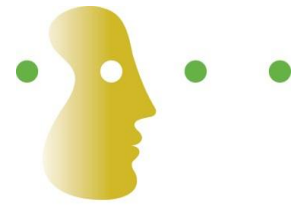


**Working Memory**  
CANTAB Spatial Working Memory task.



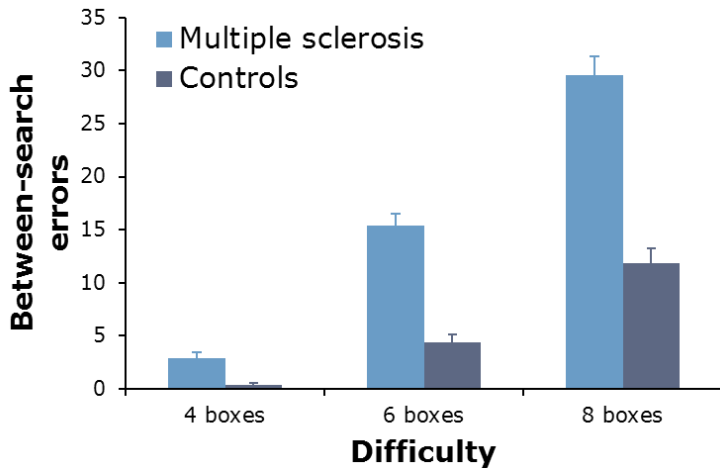
**Sustained Attention**  
CANTAB Rapid Visual Information Processing task.

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## Highly sensitive to cognitive dysfunction in Multiple Sclerosis

Cantab Connect Research MS is sensitive to the working memory deficits associated with the disease pathology and severity.



	Correlation with MRI frontal lesion load ( $r$ )	Significance
4 box errors	0.29	n.s.
6 box errors	0.65	$p < 0.001$
8 box errors	0.42	$p < 0.01$

Foong et al., Brain, (1997)

## Discover the benefits of connected research

### Increase the impact of your studies

Cantab Connect enables objective measurement of cognitive performance linked to specific neural networks. The assessments have proven sensitivity to disease related impairment and change over time caused by biological and environmental factors giving your research added credibility, validity and impact.

### Save time and costs

Cantab studies are easy to setup and quick to administer. Assessments can be conducted without formal training and data is instantly captured, scored and stored in a private cloud for real-time monitoring of your study's progress.

### Perform research you can rely on

Cantab is used in academia, healthcare and pharmaceutical clinical trials as the gold standard in neuropsychological measurement. The tests are validated by over 1,600 peer-reviewed papers which have been cited over 160,000 times.

## Rely on CANTAB expertise

USED TO ASSESS  
**250,000+**  
subjects

IN OVER  
**80**  
countries

TESTING IN  
**800+**  
universities



### Customer satisfaction

*"We require cognitive measures that are reliable, well validated and easy to administer. Cantab is the obvious choice."*

Institute of Psychiatry, King's College London

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