

# Imperial post-stroke aphasia recovery study

## Principal Investigator

Dr Fatemeh Geranmayeh

## Summary

Country	UK
Principal Investigator	Dr Fatemeh Geranmayeh
Key publication/reference	James D Stefaniak, Fatemeh Geranmayeh, Matthew A Lambon Ralph, The multidimensional nature of aphasia recovery post-stroke, Brain, Volume 145, Issue 4, April 2022, Pages 1354–1367, <a href="https://doi.org/10.1093/brain/awab377">https://doi.org/10.1093/brain/awab377</a>
Years in which study conducted	2011-2015
Follow-up schedule	Longitudinal follow up of acute left hemisphere stroke with assessments at approx- 1 week and again at approx. 4 months.
Sample	
Sample size (baseline sample)	60 patients and 27 older controls (Control IDS start with 1: 101, 102). Some patients with severe strokes did not have baseline scan, and only at 4 months.
Population	Hospital (observational)
Inclusion criteria	Recent stroke
Selection	Consecutive
Admit with previous stroke?	No
Admit with TIA?	No
Age range	Inclusion: 18-80
Number of centres	1
Control group: number, population, selection	27 older controls ( Control IDS start with 1: 101, 102) Most controls also had 2 scans in line with the patients.

## Assessment

### Initial assessment (time and data collected/tests administered)

### First detailed assessment (time and data collected/tests administered)

Approximately 1 week but variable range depending on patients' clinical status. Comprehensive Aphasia Test battery (includes: word fluency, comprehension, repetition, naming, reading).

### Follow-up schedule (time and data collected/tests administered)

4 months.

### Stroke-related data

Lesion site, cardiovascular risk factors, thrombolysis, NIHSS, Handedness

### Functional tests

#### Neuropsychological/cognitive tests

See above

#### Dementia diagnosis

Not applicable.

#### MRI scans (type e.g., T1-weighted; when and how many)

T1, fMRI and DTI at both time points

#### PET scans

NA

#### Psychiatric exams

NA

#### Genetics data (e.g., GWAS, APOE)

NA

#### Blood analysis

NA

### Information regarding ethics approval and patient consent:

#### Please state the name of the ethics board and ethics approval number

NRES Committee London - West London & GTAC  
Title: Assessing the mechanisms of recovery of aphasic speech production.  
REC reference:11/LO/0543  
IRAS project ID:7571

#### Were participants asked to give consent to their data being shared for research purposes?

No

Study Predated GDPR regulations, but they did not explicitly refuse sharing of anonymous data.

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**Were participants asked to give consent to their data being shared with third parties?**

No

Study Predated GDPR regulations , but they did not explicitly refused sharing of anonymous data.

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