

The effect of flicker stimulation of peripheral visual field on short-term recall.

Submission date 30/09/2004	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 30/09/2004	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 14/07/2009	Condition category Signs and Symptoms	☐ Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
N0176135497

Study information

Scientific Title

Study objectives

To test if flicker can enhance short-term recall in older people. To test if any flicker effects on short term recall are frequently-specific.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Primary study design

Interventional

Study design

Randomised controlled trial

Study type(s)

Other

Health condition(s) or problem(s) studied

Signs and Symptoms: Memory

Interventions

Randomised trial. The intervention is learning and recall of words. A flicker machine will occur on light emitting diodes, the randomisation will be the flicker frequencies. It is thought that specific frequencies (near 10Hz) will enhance recognition and lower and higher frequencies will not.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

The endpoints of the study will be recognition of words that participants saw during the learning phase. We will test if particular frequencies of flicker that occurred in the learning phase enhance recognition.

Key secondary outcome(s)

Not provided at time of registration

Completion date

28/02/2005

Eligibility**Key inclusion criteria**

50 healthy people, 50 patients

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Senior

Sex

All

Key exclusion criteria

Does not match inclusion criteria

Date of first enrolment

19/12/2003

Date of final enrolment

28/02/2005

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

OPTIMA

Oxford

United Kingdom

OX2 6HE

Sponsor information

Organisation

Department of Health

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Oxford Radcliffe Hospitals NHS Trust (UK)

Results and Publications

Individual participant data (IPD) sharing plan**IPD sharing plan summary**

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	05/03/2006		Yes	No