

BRIEF INFORMATION FLYER

Investigating the Effects of Atomoxetine on Brain and Behaviour

This flyer summarises the main aims and key procedures of the study. The study team will be happy to provide you with more detailed information.

Objective

The study investigates whether brain function and self-control abilities can be improved under the influence of the medication, atomoxetine. Some people may benefit more from atomoxetine than others. We have therefore contacted the BioResouce to help us find healthy individuals with a genetic make-up that would make it either very likely or unlikely to perform better on atomoxetine.

Study Procedures

There will be three study visits on which you will be asked to provide a urine sample to be tested for undeclared drugs and women will also be tested for pregnancy.

The first visit is an assessment session. We will record your medical history, your current health, and check your heart function. We will take a blood sample to examine health-related makers and ask you to complete some computerised tasks and questionnaires.

There will be two experimental sessions: You will take either the study medication or a placebo pill and we will monitor your heart function several times during each session. We will also take blood to examine health-related markers and evaluate how your body absorbs the medication. You will have a MRI brain scan and we will ask you to complete more questionnaires and computerised tasks.

Study Medication

- **Atomoxetine** is a medication used to treat attention-deficit hyperactivity disorder (ADHD) in children.
- **Placebo** is a 'dummy drug' with no active ingredients. Placebo is used in research to identify the effects of drugs from non-specific effects such as expectation.

Possible Risks

- MRI brain scanning is a non-invasive, safe procedure.
- Atomoxetine is generally well tolerated. In very rare cases, heart dysfunction has occurred while taking atomoxetine. To minimise this risk, we will check your heart function throughout the study.

Reimbursement

You will be reimbursed **£200 for completing this study**. You will also receive a meal at the end of each visit and be given a picture of your brain. Your travel expenses for the two experimental sessions will be reimbursed. If you are not deemed eligible to enroll in the two experimental sessions, we will reimburse you with £50 for your time and inconvenience in attending the assessment session.

Confidentiality

All information collected about you during the study will be kept strictly confidential! The study protocol has been reviewed by the Cambridgeshire Central Research Ethics Committee and been given a favourable opinion.

For more information

Please do not hesitate to contact Dr Karen Ersche or a member of her team to find out more about this study:

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