MONASH University

THE INFLUENCE OF MEDICATIONS ON COGNITION IN PATIENTS WITH MIGRAINE

There is little understanding on the mechanisms in which anti-migraine medication act and whether some of these medications may influence cognition. As such, more research needs to be conducted to better understand whether these medications have the ability to impact cognition.

Eye movement tests:

You will be asked to complete a few eye movement tests. This will require you to sit on a chair in front of a computer screen with your head resting on a chin rest. On the computer screen, you will see different symbols. You will be asked to look towards the symbols or away from the symbols. There will be a desk top mounted camera that monitors the movement of your eyes. After each test, you will be able to have a break. You can rest for as long as you like between each test.

Tests of your intelligence, mood, alcohol and drug use, fatigue and quality of life:

You will be asked to complete a few short questionnaires that are commonly used to examine your intelligence, mood, drug and alcohol use, fatigue and quality of life. These questionnaires will be available online. Each test should take approximately 5-10 minutes each, and all tests are expected to take 30-45 minutes.

The study will run from February 2019 to November 2019. You will be asked to attend two testing session which will go for approximately 2 hours each, 4 hours in total. Eye movement tasks will take place at Monash University, Central Clinical School, Alfred Centre, South Yarra, Melbourne. Participants will also be required to complete an online battery of neurological assessments, which should take 30-45 minutes to complete. Travel will be reimbursed in the form of a parking or taxi voucher.

Participants must be between 17-55 years old with or without migraine.

Exclusion Criteria:

- No abnormal visual acuity, colour vision, retinal anatomy and function
- No previous head injury
- No regular intake of psychoactive drugs
- No history of drug abuse
- Not pregnant
- Not unable to communicate accurately to give consent
- No intake of medication known to affect visual and cognitive function

This project has approval from the Monash University Human Ethics Research Committee (9495).

Please contact the researchers below if you are interested in participating.

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