



Migraine and non-migraine Subjects Needed For Migraine RESEARCH:

Cerebral Vasomotor Reactivity and Blood Flow Distribution in Migraineurs with Right to Left Shunt (CVRD)

People with migraines with aura (vision changes) are at increased risk for stroke, especially in the back part of the brain. Some studies suggest that people with migraines have a higher likelihood of having right to left shunting of blood across a hole between the upper chambers of the heart and this may be one reason they have an increase risk of stroke.

The purpose of the CVRD study is to determine whether people with right to left shunting of blood and migraine headaches with aura have a different response in the blood flow in back part of their brain compared to people who have right-to-left shunting of blood but no migraines.

If you are **pre-menopausal female**, between the ages of **20-55 years old**, and have a diagnosis of **right-to-left shunt such as a patent foramen ovale (PFO)** by Transcranial Doppler study, you may be eligible to participate in the **CVRD** study.

What are subjects asked to do?

- **Make and attend an appointment** at the Seattle Neuroscience Institute at Swedish Medical Center, Cherry Hill campus
- **Participate in** study procedures which will take 3-5 hours to complete
- **Answer questions** about your medical history, medications, lifestyle, and specific questions related to your history of migraine headaches
- **Abstain from** smoking, sweets, and caffeine for at least 4 hours before the study and from taking any medications that affect blood flow within on the day of the study

You will receive a \$100 stipend for completion of the study.

If you are interested in participating in this study or have any questions, **please call (206) 320-3919** to speak with a study coordinator.