

Biomarkers of ADHD Treatment Response



Boston Children's Hospital

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Dear Caregiver,

Thank you for your interest in the B.A.T. Study! Below we provide some additional information about our study goals and participation. Please give us a call or send us an email if you have any questions or would like to learn more.

Why are we doing this study?

Children with ADHD do not all have the same response to medications. The goal of this study is to find brain markers in children that will predict which ADHD medication is best for them.

Who is running this study?

This study is being run by Dr. Anne Arnett (clinical psychologist) and Dr. Eugenia Chan (developmental behavioral pediatrician) at Boston Children's Hospital.

What does participation involve?

If your child is eligible and chooses to participate in this study, you will complete 2-3 short laboratory visits and weekly phone calls with the study team. Dr. Chan and her colleague will prescribe your child up to 2 different common ADHD medications over two months. This is consistent with standard clinical practices for treating pediatric ADHD. We will collect information about how the medication is affecting your child's behavior at home, at school, and in the laboratory, and we will measure brain activity off and on medication using a child-friendly tool called EEG.

What if my child does not like the medication?

Dr. Chan will work closely with you and your child to monitor side effects or other negative responses to the medication. If your child is not able to tolerate the medication, it will be discontinued or adjusted.

What happens when the study is done?

When the study procedures are complete, the study team will provide you and your primary care provider with a report detailing the results of the cognitive testing and medication trials, along with medication, behavioral and school-based intervention recommendations. Your child's care will be transferred back to their primary care provider.

How can I learn more and find out if my child is eligible?

Please call the study team at **617-919-7771** or email ArnettLab@childrens.harvard.edu to find out more!