



Fall 2012 Volume 6

IRB #4817, 5239, 5261, & 6258

## THE ADHD RESEARCH STUDY

#### Goal Change: 8-12 yr/olds

We've "bounced" up our eligible age range for new recruits to 8-12 yr/olds. If you know of anyone that might be interested, please "pass" the word.



#### **Scouting ADHD Parents**



Are you a parent who has (or might have) ADHD? You may qualify for a few studies conducted by our PI and Collaborators:

**Pregnant Mom, Nutrition, & Infant MRI Study:** (IRB 6749, 7229) The purpose is to study effects of diet on neural connectivity. Mother's in their 2<sup>nd</sup> trimester who have attention difficulties could be eligible for a nutrition intervention study during pregnancy followed by a safe infant scan after child's birth.

Contact: (503) 418-8249 or dunnem@ohsu.edu

#### Adult ADHD Imaging Study: (IRB 6943)

The purpose of this study is to identify the effects of medication state on ADHD adults via MRI scan.

Contact: (503) 418-1897 or brainlab@ohsu.ed



# Cheering Diversity!

We celebrate cultural diversity and work to promote cultural awareness. To us, cultural diversity includes not only racial and ethnic differences, but also religious, economic, familial, gender, and physical differences. Respecting cultural beliefs and values is important to us and to the families who participate in our study. From a research perspective, it is crucial to look at differences among children and families who come from a variety of cultural back grounds. We encourage families from all types of diverse back grounds to participate in this study. Research can truly benefit from gaining a shared understanding of all peoples.





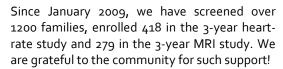






#### **Timeout with our Coach**

Investigator: Joel Nigg, Ph.D.





One of our research goals is to understand similarities and differences between subgroups of children with ADHD. We have now had a series of papers on this important topic. We showed that children with only inattention (classic "ADD") had distinct physiological measures than combined ADHD. Then we used a novel method to identify different neuropsychological profiles in children with ADHD with similar symptoms. That led to further findings in which we used measures of temperament to identify three kinds of ADHD. These groups differ in personality profiles and heart-rate responses to emotional events and also predicted different outcomes one year later. Understanding these groups may someday help us to match children to specific treatments based on what "type" of ADHD they have.

We also continue to refine laboratory measures that may lead to better clinical measures. One feature associated with ADHD is that behaviors are inconsistent from one moment to the next. Two papers published this year explore why this might be the case. The findings suggest that some children with ADHD may have trouble making fast, in-the-moment decisions between competing response options because they have less efficient processing and more "noise" that interferes with the decision-making process.



### Collaborator Play-by-Play

(Our coach teams up with other PI's to help their research)

Brain Dev. Study for Children with Autism: Damien Fair, Ph.D.
The purpose is to study variability of brain function in children ages 7-15 in the Autism Spectrum via testing and MRI. (IRB 5239)
Contact: brainlab@ohsu.ed

<u>Developmental Brain Imaging Lab (DBIL)</u>: Bonnie Nagel, Ph.D. Teens, Teens, & more Teens needed for testing and brain imaging. *Contact:* (503) 494-0641 or <u>dbil@ohsu.edu</u>

Moved? Change of phone/address?

**Questions?** 

**Comments?** 

(503) 418-5508 or (877) 678-ADHD

ohsuADHD@ohsu.edu

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#### **ADHD Research Study**

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## KIDS CORNER!

#### Football Word Search

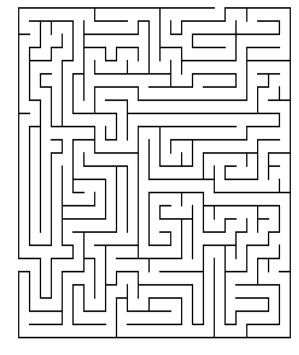
Find the football terms hidden in the puzzle.

IWQICLVBNWODHCUOT RKJQETZPUNTOUQGGE CLIPPING DEFENSE S H P K N X F C L I P P I N G E B FOUL X S X I T J X L T W T E D U O D L CUGCEDBEBWTEUOKRL KRHKRZALKFFHEVCAUKICK LCRVEMEIOERRAMOYG OFFENSE **OFFSIDE** OSRESLBLNEKSYGLVI K F E T C V K S D E R O C S B E X POFDEEECGDTSVLLVE RECEIVER OFEEOLIXARUHUIHYC YFRXNZBVNTNHNNTMY D S E W H S Z M E E I E Y L C N A RIEOYFEGURIBAFJH L TOUCHDOWN ADBSKZBODFDNPASSP UEGTEMLEHGEOJPMTV GCDELUOFQPYXGWTHZ

All About Puzzles

I want to join the game! Can you help me find the way?





www.ActivityVillage.co.uk