



Down syndrome Thyroid Treatment Study

If your child has Down syndrome and is between the ages of 8-20:

S/he may be eligible to participate in a research study that is trying to learn about the effects of treating subclinical hypothyroidism with thyroid hormone replacement in children and adolescents with Down syndrome.

“Subclinical hypothyroidism” means that your body’s level of thyroid stimulating hormone (TSH) is above normal, but you likely do not have symptoms of hypothyroidism.

What the study involves:

- Participation up to 18 months, up to 4 study visits at the CHOP main hospital in Philadelphia, PA, and up to 3 blood draw visits at any CHOP satellite location.
- Taking either an active medication called levothyroxine, or an inactive pill (placebo).
- Wearing a physical activity armband for 7 days after each study visit.
- 3 telephone calls after each study visit so a nutritionist can record what your child has eaten in the past day.

During the study visits:

- Fasting blood and urine samples will be collected.
- A physical exam will be done and body measurements will be taken.
- An x-ray and ultrasounds will be done.
- You and your child will be guided through questionnaires.
- If your child is overweight, an Oral Glucose Tolerance Test may be done at the first visit.

All tests will be performed at no cost to you. You and your child will be compensated for your time and efforts.

For more information, please visit our website or contact:

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<http://www.research.chop.edu/programs/downsyndrome/thyroid.php>

Help
lead the way.