Fragile X Syndrome

URL of this page: http://www.nlm.nih.gov/medlineplus/fragilexsyndrome.html

Also called: FRAXA

Fragile X syndrome is the most common form of inherited developmental disability. A problem with a specific gene causes the disease. Normally, the gene makes a protein you need for brain development. But the problem causes a person to make little or none of the protein. This causes the symptoms of Fragile X.

People with only a small change in the gene might not show any signs of Fragile X. People with bigger changes can have severe symptoms. These might include:

- Intelligence problems, ranging from learning disabilities to severe intellectual disabilities
- Social and emotional problems, such as aggression in boys or shyness in girls
- Speech and language problems, especially in boys

A genetic blood test can diagnose Fragile X. There is no cure. You can treat some symptoms with educational, behavioral, or physical therapy, and with medicines. Getting treatment early can help.

NIH: National Institute of Child Health and Human Development

Start Here

- Fragile X Syndrome Overview [http://www.nichd.nih.gov/health/topics/fragilex/Pages/default.aspx] NIH (National Institute of Child Health and Human Development)

Overviews

- Facts about Fragile X Syndrome [http://www.cdc.gov/ncbddd/fxs/facts.html] (Centers for Disease Control and Prevention)

Diagnosis/Symptoms


Treatment

- Medication Treatments [http://www.nichd.nih.gov/health/topics/fragilex/conditioninfo/Pages/medicationtreatments.aspx] NIH (National Institute of Child Health and Human Development)
Disease Management
- Educational Treatments
  [http://www.nichd.nih.gov/health/topics/fragilex/conditioninfo/Pages/educationaltreatments.aspx] NIH (National Institute of Child Health and Human Development)
- Therapy Treatments
  [http://www.nichd.nih.gov/health/topics/fragilex/conditioninfo/Pages/therapytreatments.aspx] NIH (National Institute of Child Health and Human Development)

Specific Conditions
- Fragile X-Associated Primary Ovarian Insufficiency (FXPOI) [http://www.nichd.nih.gov/health/topics/fxpoi/Pages/default.aspx] NIH (National Institute of Child Health and Human Development)
- Fragile X-Associated Tremor/Ataxia Syndrome (FXTAS) [http://www.nfxf.org/fragile-x-associated-disorders/fxtas/] (National Fragile X Foundation)

Related Issues
- Fragile X Syndrome (FXS): Related Concerns [http://www.cdc.gov/ncbddd/fxs/relatedconcerns.html] (Centers for Disease Control and Prevention)

Tutorials

Videos
- Fragile-X Syndrome Causes Video [http://www.cdc.gov/ncbddd/fxs/video/FragileX-4.html] (Centers for Disease Control and Prevention)

Clinical Trials
- ClinicalTrials.gov: Fragile X Syndrome
  [http://clinicaltrials.gov/search/open/condition=%22Fragile+X+Syndrome%22] NIH (National Institutes of Health)

Genetics
- What Does It Mean to Be a Carrier (for a Fragile X Mutation)? [http://www.fragilex.org/fragile-x-associated-disorders/carriers/] (National Fragile X Foundation)

Research

Journal Articles
References and abstracts from MEDLINE/PubMed (National Library of Medicine)
- Article: CGG repeat-associated translation mediates neurodegeneration in fragile X tremor ataxia...


Organizations
- Fragile X Research Foundation [http://www.fraxa.org/]
- National Fragile X Foundation [http://www.fragilex.org/]

Statistics

Children
- Education (of Children Affected by Fragile X Syndrome) [http://www.fragilex.org/treatment-intervention/education/] (National Fragile X Foundation)

Women
- Fragile X-Associated Primary Ovarian Insufficiency (FXPOI) [http://www.fragilex.org/fragile-x-associated-disorders/fxpoi/] (National Fragile X Foundation)

Patient Handouts
  Also available in Spanish [http://www.nlm.nih.gov/medlineplus/spanish/ency/article/001668.htm]

You may also be interested in these related encyclopedia pages:

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The primary NIH organization for research on Fragile X Syndrome is the National Institute of Child Health and Human Development [http://www.nichd.nih.gov]

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