

## Mission and Background

The Fahr Too Strong Foundation was created to help those individuals and families suffering from this devastating disease. Our mission is to build a national support network linking patients, doctors, and researchers. Our goals are to educate and support those affected and those treating these individuals and to promote awareness.

We were created by a dedicated, loving board of directors who have experienced firsthand the devastation of Fahr's Disease.

Never before has there been a Foundation focused just on Fahr's Disease. Our Foundation will strive to provide hope, education, and support to those new and old to Fahr's Disease and their family members.

Currently there is no treatment and no cure for Fahr's Disease.

*Without Awareness, there is no Funding  
Without Funding, there is no Research  
Without Research, there is no Cure  
Without a Cure, there is no Hope  
Inspire Hope and be Fahr Too Strong*

*Donate online at:*

<http://www.fahrtoostrong.org>

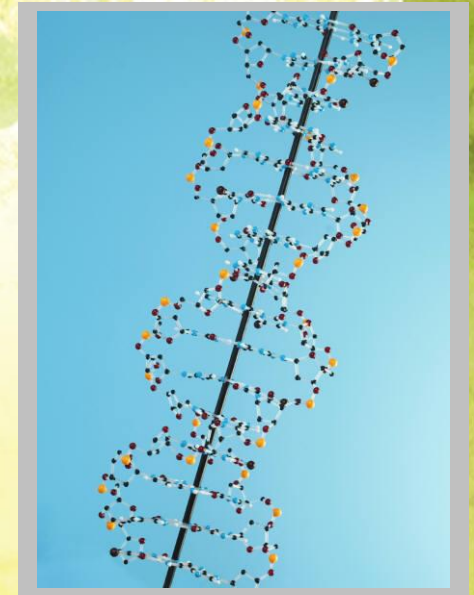
*Like us on Facebook at:*

<https://www.facebook.com/FahrTooStrongFoundation>



P.O. Box 7626  
Loveland, CO. 80537  
fahrtoostrong@gmail.com

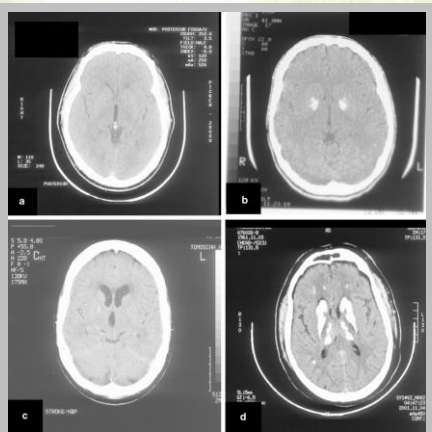
**WWW.FAHRTOOSTRONG.ORG**



## Fahr Too Strong Foundation

Dedicated to educating and creating awareness of Fahr's disease. One of the top ten rarest diseases in the world.

## Fahr's Disease



*CT scan of Normal brain vs. CT scan of Calcifications within brain*

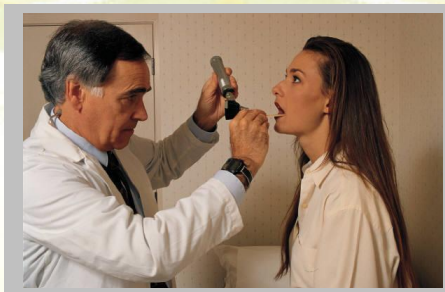
Fahr's Disease is a genetic neurodegenerative disease characterized by bilateral calcification of the basal ganglia and other brain regions. It is known to only affect approximately 60 families world-wide but it is said to be severely underdiagnosed.

### Symptoms

Progressive neurologic dysfunction

Absence of biochemical abnormalities

Absence of an infectious, toxic, or traumatic cause



*Often missed, Fahr's Disease is commonly misdiagnosed as Parkinson's disease or Multiple Sclerosis.*

Extrapyramidal Symptoms:

1. Motor planning
2. Tremor
3. Muscle tics
4. Rigidity of reflexes
5. Speech issues (Apraxia)
6. Balance issues (Ataxia)
7. Locking of the muscles and joints (Dystonia)
8. Severe muscle pain
9. Feeding issues
10. Involuntary muscle movements
11. Executive functioning and cognitive processing issues

Seizures

Loss of previously acquired skills

Death

## How to Get Involved

Through research, at many institutions worldwide, three genes have been identified in association with Fahr's Disease. Current research looks towards screening new patients for these known genes, finding new genes, and investigating the function of the mutations found thus far.

This is done by collecting a blood sample and a CT scan of your brain.

Here is a list of current researchers. Contacting these researchers does not guarantee acceptance into their studies:

Giovanni Coppola, MD  
UCLA Neurology c/o Gonda Receiving  
695 Young Drive South, Rm 1524 Gonda  
Los Angeles, CA 90095-1761  
Tel: 310-206-9394  
Fax: (310) 794-9613

NIH- Human Genome Research Institute  
Undiagnosed Diseases Program  
10 Center Drive-MCS 1851 Building 10, Room 10C103  
Bethesda, Maryland 20892-1851  
866-444-8806 U.S. Callers  
00-1-301-496-4000 International Callers

Joao Ricardo Mendes De Oliveira  
Federal University of Pernambuco  
Brazil