Team Sanfilippo Foundation, TSF Inc.

TSF Inc. is a non profit medical research foundation founded in 2008. We are dedicated to finding, funding and bringing potential real life treatments to the sanfilippo community. We aim to treat all four types of Sanfilippo, A, B, C, & D. Ouality of life for the children and their families, while searching for a cure is our main focus. We are here to distribute funds for scientific research, for trials for the children and educational purposes. We encourage whole health of the child while battling this disease and direct parents and caregivers in the right direction when help is needed.



Sanfilippo syndrome, also known as MPS III is a mucopolysaccharide storage disease that effects every lysosome and cell in the body. There are four types of sanfilippo syndrome each being caused by it's own unique deficiency of an enzyme. Children are generally born appearing normal and gradually show developmental delay, frequent ENT issues and often times behavioral and sensory issues, that are similar to Autism in the early stages There is no cure at this time, and no FDA approved treatments as of yet. (2019)

- * Type A— deficiency in Heparan N-Sulfatase
- * Type B— deficiency in a-N-

Acetylglycosaminidase

- * Type C- deficiency in Acetyl CoA-aglycosaminide acetyltransferase
- * Type D- deficiency in N-Acetylglucosamine 6sulfatase

As a result, cells do not preform properly and cause progressive damage throughout the body with GAG (the unrecycled build up in cells due to the lack of an enzyme) build up. Liver and spleen are affected early on, heart, bones, joints and respiratory system and eventually the entire central nervous system.

<u>Team Sanfilippo Foundation,</u> <u>TSF Inc.</u>

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Bringing quality of life to kids who have no cure!











How is Sanfilippo Inherited?

Sanfilippo type A and B are the most common types of Sanfilippo. One in 70,000 births result in Sanfilippo Syndrome.

Sanfilippo syndrome / MPS III is caused by a recessive gene. If both you and your partner carry that gene, there is a one in four chance that every pregnancy could be a Sanfilippo child. We all carry many recessive genes.. Newborn screening is in legislation as we speak! (2019)



Early Symptoms

*Large Head, *Frequent ENT issues, *Coarse facial features, *Diarrhea, *Sleep difficulties. *Hyperactivity and behavior issues, *Incontinence, Cognitive Delay



Progressive Symptoms

*Seizures, *Bone and joint issues, *Ataxia and mobility issues, *Movement disorders, Loss of Speech, *Swallowing and eating disorders, *Metabolic issues with all organs, *Vision issues

*Symptoms are not limited to those listed!

How Can you Help

TSF is continually funding treatments and trials. Through the years we have funded more than 6 million in research, treatments, trials and studies to help the families. Science is advancing with much more knowledge. Please follow our page on Facebook, and our website for the latest updates.

We encourage families to share awareness and teach others about the disease, support our mission with fundraisers and donations.

There are so many undiagnosed and often misdiagnosed children out there.

Do you know someone? If so,

Send them here?



Website: www.teamsanfilippo.org
FB: www.facebook.com/teamsanfilippo