The Undiagnosed

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Wilhelm Foundation

What's the name of the disease?

Almost everyone who has a disease has an answer









The journey to a diagnosis

Not yet diagnosed

- 25 % of patients waited from 5 to 30 years for a diagnosis (EURORDIS survey)*
- 30 % (Australian survey)

Misdiagnosed - wrong diagnosis

- During that time 40 % received an incorrect diagnosis (EURORDIS)
- 50 % (Australian survey)

In the worst case senario a late diagnosis could lead to irreversible consequences and even be lifethreatening

*of eight relatively common rare diseases

The Undiagnosed

Patients for whom medicine has failed to provide a diagnosis



Dr Gahl, National Institutes of Health (NIH) USA

Perhaps you wonder why I'm talking about the Undiagnosed?

I'm not a specialist, not a doctor





Wilhelm

Provocation

The result

Lactose

Normal as every other tests



Home again. But Wilhelm didn't feel so good

The same night...

he got a fever (40, 5° C) and difficult to breath

Back to the hospital

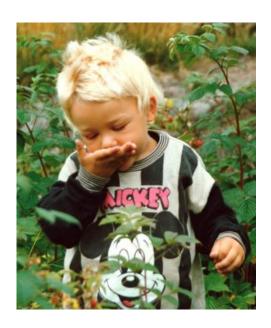
No one could explain why it happend

as it had many times before

Since they couldn't find anything unusual

They told us that we could give him ordinary food

We did as we were told



But only for a short time



Because Wilhelm got really bad

- His cough was so bad that the his eyes were bloodshot
- He became very swollen in his face
- He got a terrible stomach pain
- When they X-rayed his bowels they couldn't see anything because it was "air" all over

This examination didn't lead to anything



Then I didn't know that there was a thing like undiagnosed diseases

All tests were normal in Wilhelm's case

or

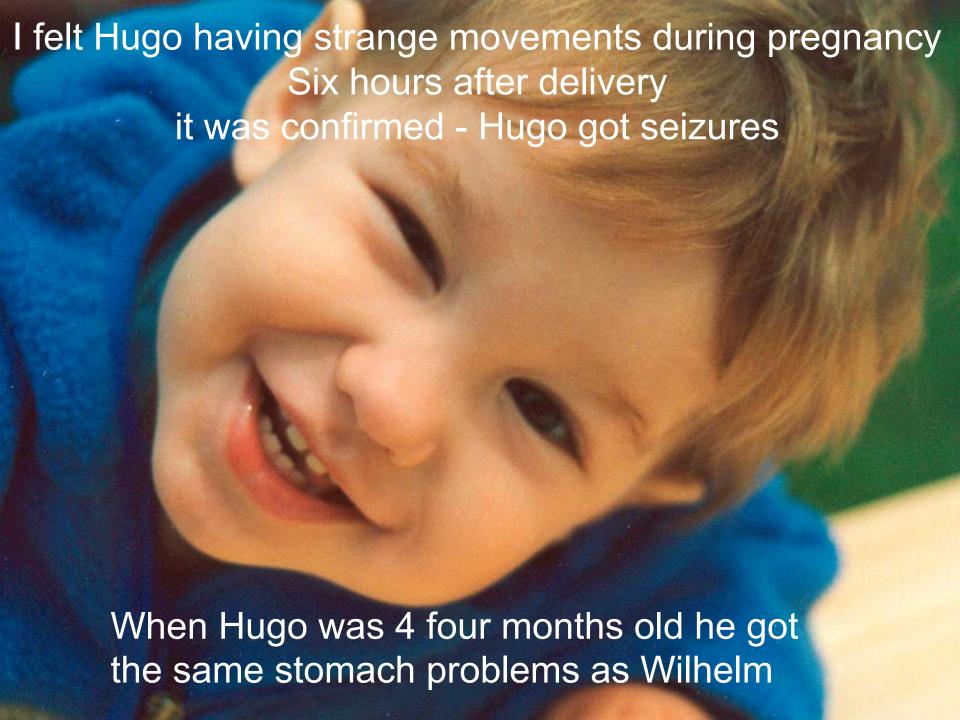
In Felica's case the test results don't match a known disease





In both cases no one can give a diagnosis





Still every test were normal

Some comments from doctors:

If you get a girl she will be healthy

Wilhelm is like an unripe apple

It's not a degenerative disease

Wilhelm and Hugo have different diseases

It's bad luck that the boys are sick



Tried to live a normal life

We concentrated on living and searched for diagnosis when they slept

Phenotypes

Wilhelm

- Epilepsy
- Special formula feeding
- Sensitive to infections

Hugo

- Epilepsy
- Special formula feeding
- Atypical autism
- Mental retardation
- Emma and Hugo had their own language that the closest understood
- Sensitive to infections

Emma

- Epilepsy
- Special formula feeding
- Apnéa
- Atypical autism
- Emma and Hugo had their own language that the closest understood
- Sensitive to infections



At 12 years old Wilhelm changed

- He couldn't ride a bike anymore
- He run into 1 meter high stinging nettles
- Impossible to understand the home work
- Lost skills
- Didn't want to play with his friends
- Didn't want to read books

- Prefer to play with the his friends younger siblings
- Played with Hugo och Emma and their toys
- Want us to read books for younger children





In search for a diagnosis





One more visit to specialists this time to Great Ormond Street Hospital, London

Once again all the test results were normal and no diagnosis

Next stop Johns Hopkins Hospital USA

After 2 weeks at Johns Hopkins Hospital USA

Home again, without a diagnosis!

I said to my husband Mikk that we have to do something!

"We must try to collect the specialists!"

"And try to get them to talk to each other!"

"And collaborate!"



A world congress!

Our dream began...



Just before Wilhelm's funeral we funded Wilhelm Foundation to collect money



We won't be bitter – we have to do something

Undiagnosed - consequences

- No treatment
- Misunderstood
- Difficulties for the family and the siblings
- Limited or no help from the society
- No tests
- No prognosis
- Dies much to young

How to help the families

- World congress we wanted to collect famous specialists around the world to make them cooperate
- Support
- Raise awareness















Carpe diem

The following year Emma's periods of coma got longer and longer





One year after Wilhelm past away Emma died only six years old



Hugo alone...

"What should we do?"





Hugo got bad

Whitout a diagnosis – no prognosis

- no wheel chair



Two years later Hugo passed away at an age of 10



In three years we lost our three beloved children in an Undiagnosed disease



Wilhelm Foundation

For all the children with an undiagnosed diseases and their families

Goal:

All the Undiagnosed diseases should be solved

How?

International Conferences - World congresses

Difficulties without a diagnosis?

Medical

- There is no treatment
- Lack of understanding
- No prognosis
- No one knows if it's an genetic disease

Psychological

- Can be difficult to comprehend for the child's surroundings, family, and school.
- Parents asked them themself "Did I do something wrong?"
- "Is it my fault?"

Rights

- Can be difficult to get a aproperty help
- Difficult to receive the help that it should from society.
- Refferals to other doctors
- Second opinion
- Special dental care
- Assistive equipments

2013 - outside of Sweden

Our first meeting with Dr Gahl NIH USA

We told him about our dream - a world congress

Dr Gahl said YES! Dr Groft also said YES!

They wanted to collaborate with us





First International Congress 2014 Rome

Thanks to Dr Gahl, Dr Groft and Dr Taruscio

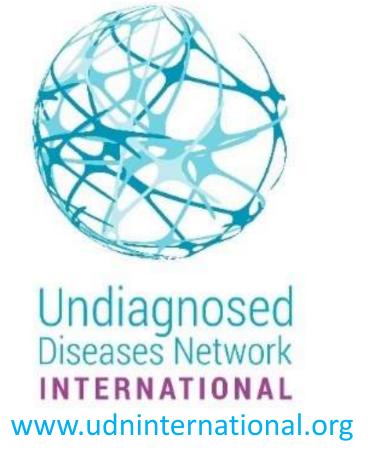








Undiagnosed Diseases Network International was formed at the first and second conference





Finally a Swedish UDP - Karolinska UDP



Prof. Ann Nordgren Karolinska UDP



Prof. Anna Wedell Karolinska sjukhuset

At the congress in Stockholm The Undiagnosed





A photo exhibition and booklet with Undiagnosed diseases

Freya one undiagnosed child

The Undiagnosed

Children in Sweden

Name	Freya
Year	2011
Description	Freya is a six year old with lots and lots of energy, she's curious, stubborn and she seems pretty content with life. A very happy girl that is an ivf and donor (sperm) baby. On the routine ultrasound they noticed Freya has corpus callosum agnesis and her head was 20% smaller than normal. Nothing showed on the amnicoentesis: Freya was born 8 weeks early, my water broke and the doctors couldn't stop the labour from starting. When she was born we found out she had a encephalocele above her nose. She had surgery on that the next morning. Freya needs help with all everyday things: getting dressed, feeding (eats mashed food), wears nappies (started toilet training), can walk with help (holding someones hand or in her walker), just started crawling a little, very movable on the floor, can pull herself up to standing. Feeya has foot orthoses to keep her feet in the right position. Her left side is weaker and harder for her to control because of CP. She's got bad eyesight es weaker and harder for her to control because of CP. She's got bad eyesight es weaker and harder for her to control because of CP. She's got bad eyesight es weaker and harder for her to control because of CP. She's got bad eyesight es ems to be able to grab things within her reach very well without her glasses anyway. Her eyes sometimes 'jumps' when she tries to focus on something. Her hearing is more than good, hears everything and she loves music. A psychiatrist has done an evaluation on Freyas general development level and it's result was about 17 months old. This and that she seems to have a high pain threshold means we have to watch her all the time so she doesn't hurts herself playing, She also have a thing for pulling her hair and like everything else she puts it in her mouth when she gags which makes her throw up if you don't stop her in time. She docols a great deal. Freya doesn't pull her hand or toys out of her mouth when she gags which makes her throw up if you don't stop her in time. She also bites if you're not careful, can bite hersel
Symptoms / Signs	Corpus callosum agnesi, Chiari malformation type I, Encephalocele, Micro- cephaly, Severe developmental disorder, Epilepsy, Cerebral palsy, ADHD, Bad eyesight, No speech
Current Treatments	For her epilepsy Keppra and Ergenyl Retard. Diazepam if needed to stop seizures. Melatonin and Frisium to sleep. Botox in both calves and inside thighs for her spaams every 4-5 months.
Prior Treatments	Ergenyl fluid, Both legs in casts knee high, twice (last year and this year) for 4 weeks after a botox treatment.
Previously Considered Diagnoses	Morning glory syndrome, Joubert syndrome
Contact	Helene Cederroth, helene@wilhelmfoundation.org



The Sixth International Conference on Undiagnosed Diseases, Naples Italy in June 20-21



