



unique

UNDERSTANDING GENES
& CHROMOSOMES

Easy read guide

16p11.2 duplications

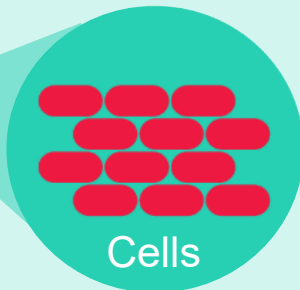
rarechromo.org

16p11.2 duplications

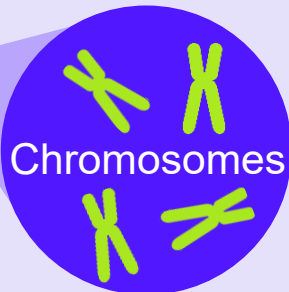
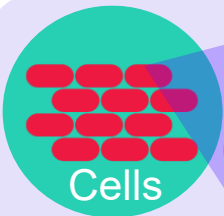
This is an easy read guide about a type of chromosome change, called a 16p11.2 duplication.



Before we learn about 16p11.2 duplications, first let us learn a little bit about chromosomes and our bodies.



Our bodies are made from millions of tiny building blocks called cells.



Inside our cells are chromosomes.



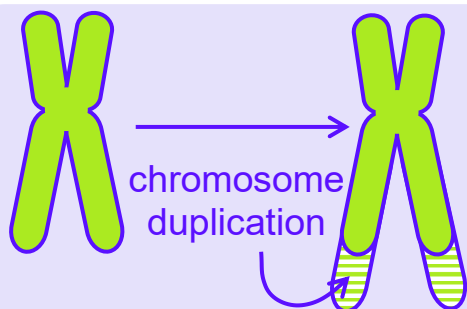
Inside our chromosomes are genes.



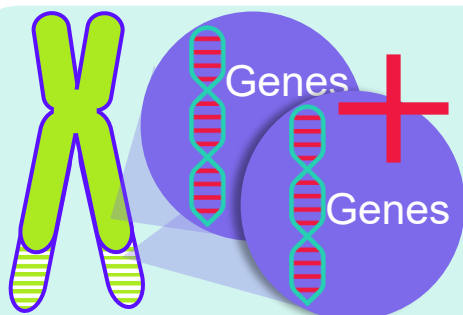
Genes tell our bodies how to grow and work.



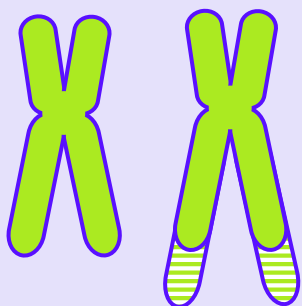
What is a 16p11.2 duplication?



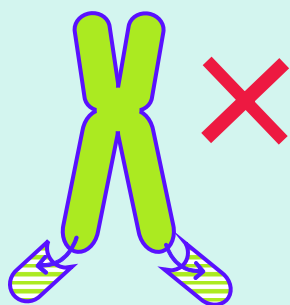
A 16p11.2 duplication means there is a small extra piece of a chromosome, called chromosome 16.



When there is an extra piece of a chromosome, some genes have an extra copy, and this can affect how our bodies grow and work.



Chromosomes come in pairs. Even if one chromosome has a small extra part, the other matching chromosome still has the usual number of genes.



If there is an extra piece of chromosome 16, it cannot be removed.



You can only find out if you have a 16p11.2 duplication by having a genetic test.



How can a 16p11.2 duplication affect my learning?

You might only experience some of these challenges or none of them at all!



You might find learning a bit harder than other people.



You might take a little longer to learn new skills.



You might need extra time to understand information.



You might need things explained in a clear and simple way.



You might have difficulties with memory, attention or problem-solving.



How can a 16p11.2 duplication affect how I talk and communicate?

You might only experience some of these challenges or none of them at all!



You might have started talking later than other children when you were younger.



You might find it hard to say words clearly.



You might find it difficult to explain what you are thinking or feeling.



You might use different ways to help you communicate.



You might see a speech and language therapist. They can help with talking, understanding words or communicating.



How can a 16p11.2 duplication affect my feelings and behaviour?

You might only experience some of these challenges or none of them at all!



You might be sensitive to noise, light, clothing or certain food textures.



You might prefer routines and feel upset when things change.



You might find it hard to sit still or concentrate for a long time. This is sometimes called ADHD.



You might feel anxious or very sad more often. Strong feelings can sometimes be hard to manage.



A psychologist or mental health professional can also help you manage strong feelings or thoughts.



How can a 16p11.2 duplication affect my body and health?

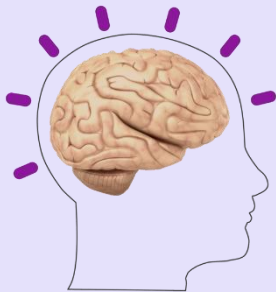
You might only experience some of these challenges or none of them at all!



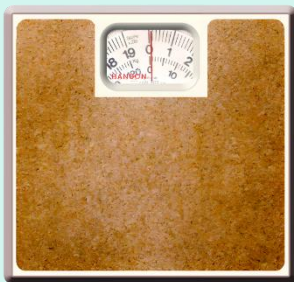
You might have some problems with your stomach and find it difficult to go to the toilet.



You might find it harder to control your movements, making tasks such as writing, catching a ball, using tools, or keeping your balance more difficult.



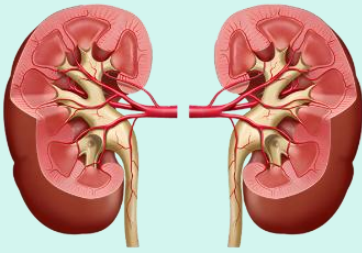
You might have seizures. This means your brain might act differently for a short time and your body might shake.



You may not gain weight very easily and need to have a special diet.



You may have differences in the way your spine looks.



You might have some kidney problems. Regular kidney check-ups are important throughout your life.



You might have differences in how your brain developed before birth.



You might see doctors regularly to check your health.



You might see a physiotherapist. They can help make your muscles stronger and show you stretches if you have pain or tight muscles.



You might see an occupational therapist. They can help you learn new skills to do more things on your own.



You might see a dietitian. They can help you make healthy food choices and to stay active.



What will my future be like?



With the right support, many adults with a 16p11.2 duplication live happy and healthy lives.



Many adults with a 16p11.2 duplication develop their own strengths, skills and interests.



Adults with a 16p11.2 duplication can live by themselves, sometimes with a little support, live with family or in supported housing.



Some adults with a 16p11.2 duplication work in jobs if they are able to. Adults can have extra support in jobs if they need it.



Some adults with a 16p11.2 duplication choose to volunteer and help out in their communities if they are able to.



It is good to know about your 16p11.2 duplication so you can get extra support if you need it.



If you would like to know more about your 16p11.2 duplication, you can talk to your doctor.



Or you can talk to a genetics specialist. They are doctors who know a lot about genes and chromosomes.



You can contact a 16p11.2 duplication support group.



You can contact a charity, like Unique.



Unique has other easy read guides that you might find helpful. You can find these on our [website](https://trachrom.org).



How can I contact Unique?



You can call us on the phone.

+44(0)1883 723356



You can email us.

help@rarechromo.org



You can go to our website.

<https://rarechromo.org/>



You can send a letter to our office.

The Stables, Station Road West,
Oxted, Surrey, RH8 9EE, UK.

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