

## Key Facts about Kleefstra Syndrome

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Kleefstra syndrome is named after the clinical geneticist Dr Tjitske Kleefstra.

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Kleefstra syndrome is caused by a missing piece of information (deletion) on the long arm of [chromosome 9](#)

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The [early signs](#) of Kleefstra syndrome vary between individuals

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Most individuals with Kleefstra syndrome will have a moderate level of [intellectual disability](#)

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Over half of individuals with Kleefstra syndrome are born with structural heart defects

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Motor development is often delayed in Kleefstra syndrome

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Many children with Kleefstra syndrome are reported to show [ASD characteristics](#)

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Children with Kleefstra syndrome often prefer to be with adults rather than children

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Some children with Kleefstra syndrome show problematic [sleep](#) patterns, which change with age

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[Mood swings](#) tend to increase during puberty for children with Kleefstra syndrome

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[Speech](#) skills may improve with time in some individuals

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*The information on this website was developed in collaboration with [www.kleefstrasynndrome.org](http://www.kleefstrasynndrome.org). This is the parental support group for Kleefstra, a well-developed community with an active facebook group and parent support conference. Please visit their website for further information and to get in touch with families of individuals with Kleefstra syndrome.*

