

This 11-year-old girl inherited her genes almost entirely from one parent, her father

An 11-year-old girl from the Czech Republic was born with genes that came almost entirely from her father, instead of half from each parent.

Only about 25 people in the world — all girls — have been reported with this genetic syndrome, and the Czech girl [appears to be the first](#) to have inherited it without developing cancer.

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When she was 9 years old, a genetic test revealed that she had two identical copies of a rare gene. At first, the scientists thought it was extremely bad luck, inheriting the same super-rare gene twice, once from each parent. But as it turned out, the rare gene was, “surprisingly, not in her mother,” wrote the scientific team.

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[S]he had inherited two copies of her father’s gene.

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The girl is not quite a twin of her father, but what’s known as a genetic “mosaic,” showing variation in different tissues. Only about 7% of her blood cells, for example, showed any maternal genes. And 74% of the cells in her saliva held only paternal genes.

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In the girl’s case, instead of the DNA from her father’s sperm and mother’s egg pairing [to make a zygote], two copies of the father’s genes zipped together to create a dad-dad set of 23 chromosomes, the full human genome.

Read full, original post: [An 11-Year-Old Got Most Of Her Genes From Her Dad, And Almost None From Her Mom](#)