

## Duchenne muscular dystrophy (DMD): Background on the first personalized CRISPR therapy approved for trial

The FDA has given the [greenlight](#) to test the first personalized CRISPR therapy, which was developed specifically to treat one man's unique genetic disorder.

The gene therapy, created by a team of scientists assembled by his brother, may not only extend his life but potentially herald a new age of personalized genetic treatments.

The disease: Duchenne muscular dystrophy (DMD) is a rare disorder caused by mutations in the DMD gene.

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Terry Horgan is now 27 — and of the hundreds of different mutations that can cause DMD, his is one of the rarest.

Because of that, he wouldn't have benefitted from many recently trialed [gene therapies for DMD](#). Those trials also typically involve children, so even the therapies that might have helped Terry when he was younger were now out of reach.

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In an attempt to help his brother overcome DMD, Richard founded the nonprofit Cure Rare Disease in 2017, when he was still a student at Harvard Business School.

Within a few years, the nonprofit had researchers from UMass Chan, Yale University, and other institutions developing and testing a unique DMD treatment for Terry's mutation. And in July 2022, the FDA approved the treatment (CRD-TMH-001) for a clinical trial.

"We're finally here," Richard [told the Boston Globe](#). "We're cautiously optimistic."

**[This is an excerpt. Read the original post here](#)**