

One Man. One Mutation. One Breakthrough.

How personalized RNA therapy hints at AI's role in nuclear safety thresholds.

1 year

Time to clinical improvement

After the first dose of antisense oligonucleotide therapy, the patient showed sustained neurological improvement.

This 1-year milestone marks a critical shift in how we assess treatment timelines for rare, mutation-driven diseases. Unlike traditional drug development, which can take a decade, this therapy was designed, tested, and administered within three years — a pace that mirrors the urgency needed in AI-driven safety validation for next-gen nuclear reactors.

01

Speed is the new safety metric

This isn't about cutting corners — it's about leveraging AI to simulate biological and material degradation at speeds previously impossible, enabling faster, more confident safety approvals for SMRs and advanced fuel cycles.

02

Biomarkers as nuclear system indicators

This establishes a new paradigm: AI doesn't just monitor systems — it interprets early signals in the same way a clinician interprets a biomarker, turning reactive safety into proactive intelligence.

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