



QUANTUM ENHANCED RADIOTHERAPY

VIDEO TRANSCRIPT

Speaker 1 (00:00):

Radiotherapy is one of the most powerful weapons against cancer, used to treat about 50% of patients. Unfortunately, it can also damage healthy cells. Improving treatment plans can reduce harm to vital organs, but this requires a lot of computational power. The solution, quantum computing, uniquely able to solve complex problems potentially much faster and more efficiently than any classical computer.

Speaker 1 (00:31):

Meet our Quantum Radiotherapy application, which uses quantum algorithms to identify optimal treatments and then provide angles for radiation beams to maximize benefit and minimize collateral damage. Practitioners can dial dosage and volume up and down while using 3D modeling to gauge impacts on surrounding healthy cells. The result? Smarter treatments and improved care.

Speaker 1 (01:01):

Our application is just one example of how quantum computing is reinventing a host of industries. Early adopters are already realizing its power. Are you ready for a quantum future?