

[00:00:00.170] - Ashish Deshpande, PhD - Clinical Research Officer & Co-Founder

Harmony SHR is a world-class system. We built it over last ten years or so, starting from my research lab, and then fantastic work at Harmonic Bionics. And what we have today is a system that can help stroke patients and therapists today to give world class therapy. In addition to being a therapy tool, today, Harmony is also a scientific discovery tool. I'm working with research researchers from all over the US, top neuroscientists, top rehab doctors, to explore how we can understand how the brain is recovering. We are taking brain signals with what's called EEG. We measure brain activity, feed that activity into Harmony's control loop, and then Harmony moves the body. And as Harmony moves the body, more brain activity is generated. And then you have that higher brain activity fed into the control loop. So there is this positive feedback loop that we suspect that will lead to faster, better recovery.