

[00:00:02.430]
Music Playing

[00:00:04.870] - Bob Whitford
I've been occupational therapist since 1995, and I've been working with stroke, brain injury, spinal cord, and amputee populations.

[00:00:13.680] - Bob Whitford
My patients come to me in the outpatient clinic. Inpatient clinic. I've seen them in ICU. First thing they say to me is, I want my hand to work. I said, well, your hands are useless unless your shoulder and your scapula can support it and transport it.

[00:00:26.770] - Bob Whitford
I like Harmony SHR in comparison to other technologies, because it's the only technology I've seen to date that engages the bilateral upper limbs of the human body.

[00:00:39.970] - Bob Whitford
Bilateral sync mode, or mirroring mode, where the weak side is mirrored by the strong side, for example.

[00:00:47.110] - Bob Whitford
That's a movement that that individual may not have been able to do since the neurological insult or injury.

[00:00:54.030] - Patient
Touchdown.

[00:00:55.650] - Bob Whitford
Nice.

[00:00:56.630] - Bob Whitford
A lot of these individuals have learned non use of the affected side. It's a retraining mode to let their brain know that the individual doesn't have to exert a home run type of force to get their hand off their lap.

[00:01:11.130] - Bob Whitford
Predefined exercise mode that Harmony currently has is more of a passive mode, and that's what we really need, too. With that, neurological recovery is being able to be repetitive in nature. The robotic system knows the movement, does the same movement the same way each time.

[00:01:30.260] - Bob Whitford
Weight support mode is basically taking the weight of the human arm and minimizing gravitational effects on it.

[00:01:41.010] - Patient
I love it. Stretch.

[00:01:44.590] - Bob Whitford
I lost my right arm as a child at age four in a trauma and after 25 years of being an occupational therapist, touched a few lives in a positive way.

[00:01:56.730] - Bob Whitford
Now being able to touch lives in a positive way with some technological tools that are cutting edge is even better.