

Impacts of Prism Adaptation Treatment on Spatial Neglect and Rehabilitation Outcome - Dosage Matters-Ep46

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- PEII CHEN 00:08 [music] And this article is to share the obstacles that we encountered over the past five, six years when we're implementing both KF-NAP, KF-PAT.
- JOAN BANKS-SMITH 00:20 That was Dr. Peii Chen, senior research scientist at our Center for Stroke Rehabilitation Research. This is Kessler Foundation's Fast Takes. Research that changes lives. I'm your host, Joan Banks-Smith. In this episode, Dr. Chen talks about her journal article Impacts of Prism Adaptation Treatment on Spatial Neglect and Rehabilitation Outcome: Dosage Matters. This was e-published on June 8th, 2022, in the journal, Neurorehabilitation and Neural Repair. The funding source was the Wallerstein Foundation for Geriatric Improvement and the Charles and Anne Siriano Foundation. Dr. Chen, what are the main takeaways of this study?
- CHEN 01:06 What we found is receiving more once-daily prism adaptation treatment sessions predicted greater improvement in spatial neglect and rehabilitation outcomes in inpatient rehabilitation facility settings. This is very important, especially in the United States, because patients, stroke patients, or brain injury patients, their length of stay inpatient rehabilitation facilities are relatively short. It's about two to three weeks. And previously, many clinicians have shared with me and my team that they do not have enough time to provide the recommended 10 sessions during inpatient stay. Now, this analysis shows that even if they cannot put in 10 sessions during inpatient stay, if they can put 3, 4, 5 sessions, as long as more sessions they can put in, there is a better chance that patients will improve in spatial neglect and rehab outcome in general.
- BANKS-SMITH 02:11 Dr. Chen, what are the main takeaways of this study?
- CHEN 02:14 I would say it's very promising for researchers to create new prospective studies to look at what we found through this retrospective regression correlation analysis and to verify each findings that's specified in the research paper itself and provide conversion evidence that prism adaptation is effective. For clinical practice, it really is to verify the effectiveness of prism adaptation to some clinicians who do not think it may be effective previously. And now, there's more evidence directly from clinical data that tells them, "Hey, prism adaptation now have beneficial impact on patient's outcome," and they should try or communicate with clinicians or our research team how and why it works.
- BANKS-SMITH 03:19 To learn more about Dr. Chen, her peer-reviewed article, the Center for Stroke Rehabilitation Research, and me, your podcast host, links are in the program notes. Tuned into our podcast series lately? Join our listeners in 90 countries who enjoy learning about the work of Kessler Foundation. Be sure and subscribe to our SoundCloud channel, Kessler Foundation, for more research updates. Follow us on Facebook, Twitter, and Instagram. Listen to us on Apple Podcast, Spotify, SoundCloud, or wherever you get your podcasts. This podcast was recorded on August 9th remotely, and was edited and produced by me,
- Joan Banks-Smith, creative producer for Kessler Foundation. [music]