

Case Report

TRAUMATIC BRAIN INJURY

CASE REPORT

SK

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ABOUT SK

Case Submitted: 2020

Provider: Mary Pat Correro, Director, Consultant
Center for Learning Enhancement, LLC
Mount Laurel, New Jersey

Client: SK, 17 year, 11-month-old female, DOB 12/29/1999

Clinical Diagnosis: Concussion and Traumatic Brain Injury

BACKGROUND

SK is a 17 year, 11-month-old high school student who sustained a traumatic brain injury and concussion when she was a passenger in a school bus accident in December 2015, as she was on her way home from swim team practice. At the time of the accident, she was a sophomore in high school and was 15 years, 11 months of age.

Her resulting symptoms included severe migraine headaches, desensitization to pain, poor self-regulation, sound and light sensitivity, ocular motor dysfunction, weakened memory and verbal expression, poor word recall, stuttering, dulling of affect, difficulty organizing thoughts, and disrupted sleep patterns.

School was mentally exhausting due to SK's weaknesses in cognitive perceptual processing; thus, she was unable to attend school more than 1-2 periods a day, and no more than 3 days a week. She often required hospitalization due to the severity of her migraines, which also contributed to limited classroom time. SK was placed on several medications to manage pain and brain dysfunction, which also contributed to difficulty being fully present when she was at school.

Prior to the accident SK was a healthy grade A student, taking advanced placement classes and had a 3.8 grade point average. She was also an active participant on her high school swim team.

TLP PROGRAM IMPLEMENTATION

In December 2016 Mrs. C. brought her daughter SK to see Mrs. Correro, Director of Center for Learning Enhancement, LLC. Because of the limited cognitive energy that was accessible it was not possible to complete a Psycho Educational Diagnostic Evaluation at that time.

SK. was set up with a 12-month training program using The Listening Program® with the Waves Bone Conduction Audio System. The purpose was to treat and stimulate her brain health and functions including communication, stress response, auditory processing, executive function and social emotional functioning. At the time TLP listening therapy was initiated SK was in 11th grade and was 16 years, 11 months of age. Successful completion of the 2016-17 school year was uncertain due to SK's inability to attend school daily and part time home tutoring. Accommodations provided by her school were very limited in the capacity to enhance and support SK's functioning in school.

SK's listening schedule was one session of two consecutive modules [approximately 30 minutes total] for 5 consecutive days a week. She started The Listening Program in January of 2017.

Within the first month of listening, dramatic improvements were noted by her mother, who reported:

“

1/12/17

Thank you for everything. I think this is going to work out well and help her get where she needs to be. She is off her migraine meds now.

2/9/17

She is doing well and acting more like a teenager every week. She added another class on to her school day and now drives herself to and from school. She is tolerating it well. She really is doing better. I'm enjoying the progress even though she argues more now. She is getting better every week. It makes me happy to see her trying to get back her independence.

As SK progressed with her listening, she was able to start attending school more regularly, and to cut back on more medications. Her affect, expressive communications skills, attendance at school and cognitive energy has improved.

Her improved brain function enabled SK to complete her 11th grade curriculum because of her increased ability to attend school more regularly and utilize increased tutoring support.

Cognitive healing enabled SK to take SAT exams twice.

She is attending her senior year full time, taking college prep and AP courses again, is earning good grades and once again participating on her high school swim team. She is off most medications, except for Adderall. Overall she is doing very well, and her mother has said she has “gotten my daughter back.”

Recent comments from SK's mother Mrs. C.: “

10/28/17

SK is negotiating accommodations with one of her teachers. **I'm very proud of how she has been able to articulate some of her needs with my encouragement.**

2/9/17

Overall, we are leaps and bounds over where we were last year, and she is getting it together after it falls apart. I think when the dust settles she will really see the benefits. She has so many emotions right now and is starting to articulate them which is good.

11/1/17

She is really doing amazing compared to last year.

TIMELINE

December 2015	School bus accident
September 2015 - June 2016	[Sophomore year in high school] Post concussion learning disabilities and traumatic brain dysfunction
December 2016	Consulted with Mrs. Correro at CLE
January 2017	[Junior year in high school] Started using The Listening Program
End of December 2017	Scheduled completion of TLP listening
June 2018	On schedule for high school graduation