

Fast Resolution of Chronic TBI Symptoms by Improving Brain Resilience

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Introduction

This presentation is about a totally new and non-drug approach to eliminating the symptoms following a traumatic brain injury (TBI). This includes head injuries caused by:

- Blows to the head from falls
- Being struck in the head
- Car accidents
- Sports injuries
- Falls
- Exposure to explosions during military combat



While most people naturally recover from a mild or moderate traumatic brain injury, some people are left with chronic issues such as physical, sensory, cognitive, emotional, or behavioral symptoms.



Brain Resilience

Resilience can be defined as the capacity to recover quickly from difficulties such as stress and physical damage. Poor brain resiliency causes more susceptibility to stress and a failure of plasticity. A more resilient brain has increased neuroplasticity. Our TBI protocol works by increasing brain resilience, which causes the brain to rapidly recover from injury. This may also 'immunize' against future brain injuries.

Treatment Summary

Average treatment time is very short (in this study it was 9 hours) and symptoms resolve or improve during the treatment (in the office).

In summary:

- Completely new, non-drug approach to TBI
- Works by restoring brain resilience
- The treatment releases stored trauma at a key developmental event for the brain
- Patient's symptoms quickly improve or resolve
- Safe, non-invasive process
- Simple guided instructions
- Practitioners can work with the patient in person or via video conferencing

Discussion

In cases where a symptom is improved but not fully resolved we suspect:

- Full brain resiliency has not yet been achieved and thus further treatment is needed or
- Symptoms are not actually from head injury but have other causes (e.g. spinal injury or related to another "disease")

Table 1. There are many symptoms that can result from a Traumatic Brain Injury (TBI). Everyone is different. Here are some examples of some common TBI symptoms

PHYSICAL symptoms	SENSORY symptoms	COGNITIVE symptoms	EMOTIONAL symptoms	BEHAVIORAL symptoms
Headaches	Sensitivity to light	Memory problems	Easily agitated	Impulsive behavior
Neck pain	Sensitivity to sound	Difficulty concentrating	Mood swings	Verbal outbursts
Dizziness	Blurred or double vision	Difficulty making decisions	Persistent anxiety	Physical outbursts
Easily fatigued	Lost sense of taste or smell	Difficulty Finding words	Feelings of shame or guilt	Getting lost easily
Numbness or tingling	Ringing in ears (Tinnitus)	Difficulty sequencing info	Feeling inept or worthless	Changed sleep patterns

Symptom outcome per case

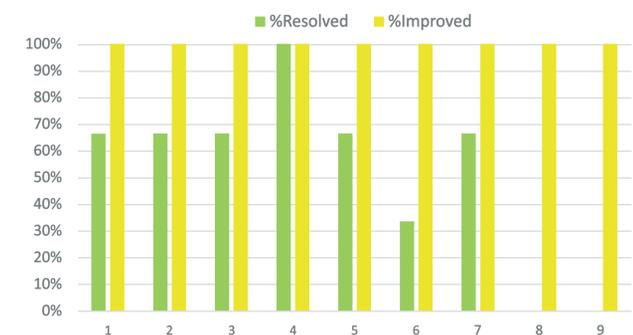


Fig 1. Percentage of symptoms resolved (green) or improved (yellow) in each of the 9 patients

Table 2. Nine TBI patients, type of injury, gender, age, main pre- and post-treatment symptoms (1-3), number of fully resolved symptoms, number of improved symptoms and hours of treatment

Case	Type of injury	Gender	Age (years)	Main TBI symptoms as selected by the patient									# of resolved symptoms	# of improved symptoms	Hours of treatment
				Pre-treatment			Post-treatment			# of resolved symptoms	# of improved symptoms	Hours of treatment			
				Symptom 1	Symptom 2	Symptom 3	Symptom 1	Symptom 2	Symptom 3						
1	Blunt force trauma to head age 4	F	50	Decreased cognitive agility	Difficulty sequencing	Slow memory retrieval	Regained cognitive agility	Normal ability to sequence	Improved memory retrieval	2 in 3	3 in 3	8			
2	Blunt force trauma in utero	F	53	Slurred speech	Poor balance and coordination	Intellectual impairment	Slurred speech resolved	Balance improved, walks normally	Intellectual impairments significantly improved	2 in 3	3 in 3	5			
3	Motor vehicle accident in 1984	F	67	Unilateral deafness	Impaired mobility	Tinnitus	Hearing resolved (left ear)	Walks without a cane	Tinnitus resolved	2 in 3	3 in 3	5			
4	Snowmobile accident March 2018	F	40	Poor memory	Severe fatigue	Severe neck pain	Memory normal	Energy back to normal	Neck pain resolved	3 in 3	3 in 3	16			
5	Motor vehicle accident in 2004, also had some spinal cord trauma	F	50	Headaches	Brain fog, poor memory	Right side paresis	Headaches improved	Brain fog resolved, memory improved	Improved right sided mobility	2 in 3	3 in 3	8			
6	Multiple head injuries, most serious one 10 years ago	M	59	Fatigue	Easily distracted and slow cognition	Light and sound sensitivity	Fatigue much improved	Distractibility improved, cognitive processing normal	Light and sound sensitivity improved	1 in 3	3 in 3	18			
7	Motor vehicle accident August 2018	F	28	Light sensitivity	Mental fatigue	Can't tolerate scrolling on phone	Improved light sensitivity	Mental fatigue resolved	Scrolling symptoms resolved	2 in 3	3 in 3	8			
8	Multiple sports related concussions	M	44	Difficulty with focus & concentration-brain fog	Trouble finding words	NA	Brain fog much better	Big improvement finding words and expressing thoughts	NA	0 in 2	2 in 2	4			
9	Run over by car at age 3 (has a plate in head)	M	49	Light sensitivity	Headaches	Poor focus and concentration	Light sensitivity improved	Headache improved	Focus and concentration improved	0 in 3	3 in 3	6			

Physical symptoms Sensory symptoms Cognitive symptoms Emotional symptoms Behavioral symptoms

Resolved symptoms Resolved part of symptom Improved symptoms Unchanged symptoms

Experimental Results

TBI patient background:

- 3 males and 6 females
- Average age: 49 years (28-67 years)
- Cause of TBI symptoms:
 - Motor vehicle accident (n=4)
 - Blunt force trauma (n=2)
 - Hit by a car (n=1)
 - Sports related concussion (n=1)
 - Multiple head injuries (n=1)

Patient reported 2-3 main TBI symptoms (pre-treatment):

- Cognitive symptoms (n=12)
- Physical symptoms (n=9)
- Sensory symptoms (n=5)

Post-treatment:

- Resolved main TBI symptoms
 - One patient: 3 out of 3
 - Five patients: 2 out of 3
 - One patient: 1 out of 3
- Improved main TBI symptoms
 - All other non-resolved pre-treatment TBI symptoms (based on patient satisfaction)

Treatment lengths varied from 5 to 18 hours, with an average of 9 hours.

Conclusion

In conclusion, our new and non-drug approach to resolving the symptoms following a TBI is very effective, quick and simple.

Pay For Results

- Results = sustained improvement or resolution of targeted TBI symptoms
- Targeted results are agreed upon up front (signed agreement)
- There is a set fee for the successful results (not an hourly charge)

Collaborate With Us

We are committed to the recovery of TBI patients and we continuously seek collaborators who also want to see patients recover. Contact us:
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