

# THE IMPORTANCE OF CRANIAL INJURIES

Brain Trauma Foundation (BTF)



Dedicated to improving the outcome of traumatic brain injury (TBI) patients worldwide by developing best practical guidelines, conducting clinical research, and educating medical professionals and consumers.



Nonprofits on Cranial injuries

Most underreported, under diagnosed, and underestimated brain trauma. Most people with a concussion recover fully after the injury, and 98% of the people recover in 1-3 months post concussion.

What is a Concussion?

A change in brain function following an external force to the head. This can be accompanied by temporary loss of consciousness and has measures of neurologic and cognitive dysfunction.



Traumatic Brain Injury Males- 1 time more likely to be hospitalized and 3 times more likely to die than females

90%

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Accounts for 90% of TBI with millions of

trauma cases every year- Appx 214,110 TBI related hospitalizations in 2020 and 69,473 related deaths in 2021

This represents more than 586 TBI related hospitalizations and 190 TBI deaths per day

Importance of Brain Trauma Foundations



SAVE A BRAIN

BTF is the leading charge to better prevent, diagnose, and manage concussions

Constantly seeks to improve diagnosis and treatment of TBI

Funded in 2014 by the U.S Department of Defense and partner with the most prestigious research organizations

Involvement of BTF

The work ranges from looking at the uses of quantitative measures via eye-tracking goggles to ensure visual attention, to being part of a multi-institutional research consortium that seeks to provide a stronger evidence base for brain injury care.



The tracking goggles were founded in 2015  
The consortium was founded by James S. McDonnell



# BENEFITS OF BTF

## Foundation Benefits

BTI first evidence-based guidelines for managing severe TBI (comas) which was developed in 1995. This pivotal patient care was the result of collaboration between a national and international group of experts dedicated to finding the best evidence to improve patient outcomes.

1995



## Partnering with Schools

Began awarding TBI research fellowships young neurosurgeons at top universities to advance their research and foster interest in cranial injuries

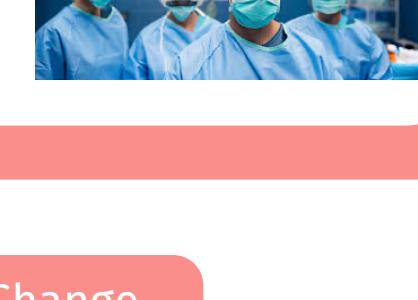
2002 BTF became the first organization to lead a University consortium to research neurobiology of mild TBI (concussions) with funding provided to the James S. McDonnell foundation.

Partnered with universities such as Stanford University, Oregon State University, Oregon Health and Science University, Portland State University, University of Southern California, and University of Southern California Santa Barbara

## BTF's Expansion

BTF after 2 decades has expanded to 6 additional guidelines.

2008 department of defense TBI technology award funded BTF's development of a portable device that detects concussions in seconds



## Making a Change

BTF plans to continue to produce high quality guidelines

Working to maximize the utility of guidelines  
Extensive expert opinions being reintroduced

Rigorous evidence-based recommendations can be accompanied by helpful commentary that assists practitioners in applying these recommendations

Considering a paradigm enriched by as much evidence as possible

Support allows help toward those suffering from brain injuries

Conduct cutting edge research to advance the field of neuroscience



# MAKING A DIFFERENCE

## Making Donations



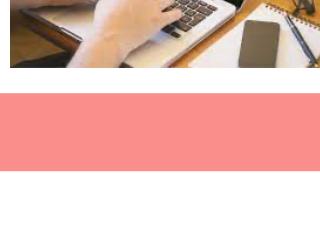
Can make brain trauma foundation your amazon smile charitable organization and BTF will receive 0.5% of every purchase made through smile.amazon.com

Good search as your primary website search browser and raise money each time you conduct a search

## Website Marketing

Allows access to their social media, allows donations, research, news, and availability to contact

Includes work of organization, funding of organization and indepth reasoning of purpose of organization



## Measuring Success

Conducts innovative clinical research and develops evidence-based guidelines that improve outcomes for people suffering from traumatic brain injuries

Employs the team within house scientists who can more quickly and effectively analyze data to perform ongoing updates to their guidelines

BTF is part of the Brain Trauma Evidence based consortium which aims to develop an evidence-based classification for the spectrum of TBI from concussion to coma

Able to accelerate research and implement change that impacts patients care



BTF leads the way in conducting clinical research about traumatic brain injuries

The eye tracking study is one of the largest TBI studies to date



Want to Make A  
Donation?

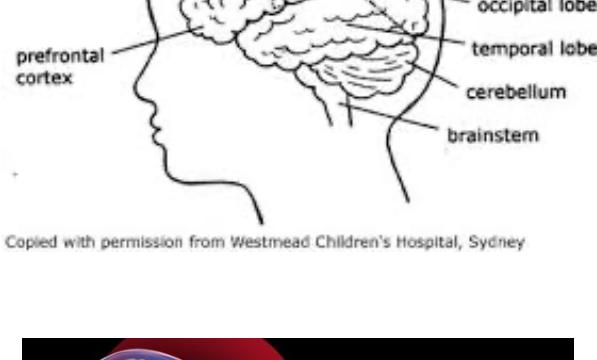


# CONCLUSION

For more information about the study, please contact Dr. John P. Morrissey at (214) 648-5000 or via email at [john.morrissey@utdallas.edu](mailto:john.morrissey@utdallas.edu).

has worked towards their vision of improving the outcomes of patient with traumatic brain injuries.

their best-in-class evidence-based guidelines, groundbreaking research partnerships, and educational research



A close-up image of a brain, likely a CT or MRI scan, showing a red area of interest, possibly indicating a stroke or other neurological condition.



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and working toward improving outcomes for millions of people who suffer from traumatic brain injuries every year

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school and college alt

personal using DVS's custom developed portable eye tracking device "dynamic visual synchronization goggles (DVS)



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