Development of the BIFI-A (Concussion Version): An Adaptation of the BIFI-A

Project Summary
Centre for Leadership in Acquired Brain Injury

Nick Reed PhD, OT Reg. (Ont.), Talia Dick OT Reg. (Ont.), Lee Verweel MSc, Caron Gan RN, MScN, Jessica Reid MSW, RSW

WHAT WAS THIS STUDY ABOUT?

Mild TBI (mTBI)/concussion is a common injury among Ontario youth with an estimate that it occurs in every 200 out of 100,000 individuals\(^1\). Like adults, youth may experience a wide range of physical, cognitive and emotional/behavioural symptoms post-concussion\(^2\). It is clear that the impact of concussion affects many aspects of an individual’s life; however there are few resources for families and limited practice guidelines on how to support families through the post-concussion management process.

By creating a family needs survey, our goal was to better understand the needs of families post-concussion. We wanted to use the information from this needs survey to adapt the Brain Injury Family Intervention for Adolescents (BIFI-A), which is a program that was originally designed to help youth and families manage changes after moderate to severe brain injury. Our goal was to adapt the BIFI-A for youth with concussion and their families.

WHAT DID WE DO?

- Completed a thorough Literature Review
- Created a Family Needs Survey
- Prepared Research Ethics Board (REB) Application
- Upon REB approval, sent out survey to families and youth
- Collected responses and analyzed themes
- Provided feedback to team

IMPACT FOR CLIENTS, FAMILIES AND CLINICAL PRACTICE

Our findings highlighted various gaps in post-concussion management for families and youth (e.g. understanding emotional recovery post-injury, impact on the family, ideas for returning to school, etc.). Our research also found many strengths in care (e.g. understanding symptoms, understanding how to return to activity post-concussion). Overall, these findings will help researchers, educators and clinicians in understanding how to better support youth and their families through the post-concussion management process and is a starting point for updating the BIFI-A for youth with concussion and their families.


© 2016 Reed, Dick, Verweel, Gan, Reid
**WHAT DID WE LEARN?**

While our sample was fairly small (n=12), our findings were mighty!

![Bar chart showing helpful following concussion questions]

**Parent Response**

“...overall the challenge is that this does not seem to be an exact science and there are many opinions, even with medical doctors, thus it is difficult to feel confident in the decisions you make. What we learned, is get help, and err on the side of caution.”

We learned that although we are making headway in providing youth and families with proper resources, care and support post-concussion, there are still gaps in care and areas where we can be doing better. Specifically we need to provide families with more detailed information, education and support in the recovery process.

**WHO ARE WE?**

**Nick Reed**, PhD, MScOT, OT Reg (Ont)
Clinician Scientist and Occupational Therapist
Co-Director Concussion Centre, Bloorview Research Institute

**Talia Dick**, MScOT, OT Reg. (Ont.).
Research Manager, Concussion Centre, Bloorview Research Institute

**Lee Verweel**, MSc
Research Assistant, Concussion Centre, Bloorview Research Institute

**Caron Gan**, RN, MScN, AAMFT Clinical Fellow
Certified Clinical Traumatologist, Family Therapist - BIRT
Clinical Team Investigator – Bloorview Research Institute

**Jessica Reid**, MSW, RSW
Social Worker, Child Development Program
Holland Bloorview Kids Rehabilitation Hospital

**THANK YOU!**

Thank you to our research team, the Centre for Leadership in ABI and all the families who participated and provided their valuable feedback.