

# **Agitation and behavioral disturbances in critically ill Traumatic Brain Injury patients: prevalence, risk factors and burden of disease**

**POSITION ÉTUDIANT :** MSc

**Faculté de pharmacie et Centre de recherche de l'Hôpital du Sacré-Coeur, Université de Montréal**

**Chercheurs responsables :** David Williamson, PhD  
Professeur titulaire de clinique  
Faculté de Pharmacie,  
Université de Montréal

**Durée du projet :** 2 ans

**Date de début :** immédiat

## **Description du projet:**

The overall goal of our research program is to identify safe and efficacious pharmacological strategies for the management of agitation in patients suffering for traumatic brain injury admitted to the intensive care unit. The research program includes a number of different projects including systematic reviews, a cross-sectional multicenter observational study, and randomized controlled pilot studies of interventions. This master's project will specifically address the epidemiology, risk factors and outcomes of TBI-associated agitation in critically ill patients.

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## **Specific Objectives:**

- Describe the incidence of agitated behavior during the acute care stages (ICU and step-down ward) in mild, moderate and severe TBI patients admitted to ICU
- Identify modifiable and non-modifiable risk factors of agitation
- Compare short term (length of ICU and hospital stay, duration of posttraumatic amnesia) and long term outcomes (disability, quality of life, functional independence) between patients presenting agitation or not
- Validation of the Agitated Behavioral Scale in the acute care setting

## **Profil recherché**

- Pharmacie, Sciences biopharmaceutiques, Sciences infirmières, Neurosciences

## **Conditions d'emploi**

Bourse proposée au démarrage, avec obligation de postuler aux organismes de financement.

### **Soumettre votre candidature**

Les postulants doivent faire parvenir les documents suivants par courriel :

- Curriculum vitae
- Relevé de notes
- Lettre de motivation
- Références
  - David Williamson, david.williamson@umontreal.ca