



Comprehensive Research Experience for Medical Students
Summer Research Program 2019

Supervisor/Project Information Form

Due February 20 2019 by email to crems.programs@utoronto.ca

Supervisor Name: Dr. Joel Fish

Project Title: Outpatient Management of Pediatric Burns: A Canadian Perspective

Hospital/Research Institution: SickKids

Email: joel.fish@sickkids.ca; Research contact: Jennifer.zuccaro@sickkids.ca

Field of Research (2 keywords): Burns; plastic surgery

Department: Plastic and Reconstructive Surgery

School of Graduate Studies Appointment (IMS, LMP, IHPME etc)? Yes/No: No If YES, please name: IMS

Project Title: Outpatient Management of Pediatric Burns: A Canadian Perspective

Brief Project Description (< 300 words):

The Burn Program at SickKids has been verified by the American Burn Association through a process that ensures the highest standard of care for burn-injured patients is provided. Given that SickKids is the only pediatric hospital in Canada to have obtained verification, it is critical that we share our model of care and experiences with other burn programs across the country to improve patient outcomes. Unlike many other institutions, one of the key pillars of our program is to provide outpatient burn management whenever possible. Thus, the aim of this study is two-fold. Firstly, the medical student will work closely with members of our multi-disciplinary Burn Team to document the outpatient model of care used to treat burn-injured patients at SickKids. This document will be published in a peer-reviewed journal and may act as a resource for other institutions. Secondly, the medical student will carry out a retrospective review to evaluate the outpatient management of burn patients who have received treatment at SickKids. Because our outpatient model is relatively new (< 10 years) the retrospective review will compare patients who have recently received outpatient burn treatment (2016-2018) to those who have been treated in the past (2008-2010). Demographic data, burn characteristics and treatment (e.g. dressing type, grafting, etc.), length of stay, number of outpatient visits (including sedations), and complications will be recorded. Group comparisons will be made using the student's t-test and chi-square test when appropriate.