

# 2017

## Glenrose Rehabilitation Hospital

# CLINICAL RESEARCH GRANT RECIPIENTS

---

**Principal Investigators:** Dr. Hossein Rouhani, Faculty of Engineering, University of Alberta  
Dr. Albert Vette, Faculty of Engineering, University of Alberta

**Study Title:** Clinical Validation of a Wearable Biomedical Device for Balance Assessment

---

**Principal Investigators:** Dr. Sukhdeep Dulai, Faculty of Medicine & Dentistry, University of Alberta  
Dr. Albert Vette, Faculty of Engineering, University of Alberta

**Study Title:** Characterization of Plantar Pressure Patterns in Able-Bodied Children, Using Dynamic Pedobarography

---

**Principal Investigators:** Dr. Lauren Beaupre, Faculty of Rehabilitation Medicine, University of Alberta  
Dr. Allyson Jones, Faculty of Rehabilitation Medicine, University of Alberta

**Study Title:** Impact of Obesity on Gait Biomechanics After Total Knee Arthroplasty (TKA-GAIT Study)

---

**Principal Investigators:** Dr. Adrian Wagg, Faculty of Medicine & Dentistry, University of Alberta  
Dr. Kathleen Hunter, Faculty of Nursing, University of Alberta

**Study Title:** What Practices Either Hinder or Foster the Maintenance of Continence in Older Adults Undergoing Rehabilitation?

---

**Principal Investigator:** Jacqueline Futoransky, Nursing Professional Practice, Glenrose Rehabilitation Hospital

**Co-Applicants:** Allyson Kwok, Healthcare Improvement Team, Glenrose Rehabilitation Hospital  
Dr. Simon Palfreyman, Faculty of Nursing, University of Alberta

**Study Title:** Does the Use of a Pressure-Relieving Specialty Surface in a Rehabilitation Hospital Impact on Functional Independence and Satisfaction Levels of Patients Who Are At Low Risk of Developing a Pressure Injury?



Rising  
Star  
Award

---

**Principal Investigator:** Dr. Ming Chan, Faculty of Medicine & Dentistry, University of Alberta

**Study Title:** Benefits of Conditioning Electrical Stimulation on Patients with Digital Nerve Cut

---