



What is Knowledge Translation and Why is it Important?

Knowledge translation refers to the process of ensuring that medical research is translated to improve the health of humans in the foreseeable future. The Centre for Hip Health will improve Canadians' quality of life by both creating knowledge in the laboratory through leading-edge research and ensuring that this new knowledge is translated to policy-makers, health professionals, patients, people at risk and the community at large.

Successful CHH Knowledge Translation Programs

- **Action Schools! BC:** The Centre for Hip Health was the catalytic research partner with the BC Ministry of Health in developing this province-wide school-based physical activity and healthy eating program.
- **Prostalac Hip:** CHH surgeons and UBC Professor **Clive Duncan** and Associate Professor **Bassam Masri** pioneered this antibiotic-coated hip prosthesis that reduces risk of infection after joint replacement.
- **Rheumatoid Arthritis Registry:** Rheumatologists and UBC Professor **John Esdaile** and Assistant Professor **Diane Lacaille** and have developed a province-wide registry of patients with Rheumatoid Arthritis to improve management of this crippling condition and ensure superior access to first-line medication for those in need.
- **Falls Follow-Up Clinic:** CHH partnered with the Vancouver Coastal Health Authority's Seniors Falls and Injury Prevention Initiative to establish the world's first evidence-based Falls Follow-Up Clinic for frail and vulnerable seniors aged > 70 years who presented to the Emergency Department with a fall. This effort aims to reduce fall-related hip fractures in those who are particularly at risk.

With support, CHH can do much more to help Canadians' hip health immediately

Recent research successes are ready to be rolled out but require funds for coordination that are not readily available with research grants or program funds.

The Hip Watch and Wrist Watch Studies: Showed that the rate of successful treatment of patients who had suffered these injuries could be doubled by greater involvement of the patient and the family physician. A dedicated half-time coordinator would influence the outcome of over 200 patients annually in Vancouver alone.

Falls Risk Assessment: The CHH has pioneered the Canadian implementation of a novel falls risk assessment service invented by our international collaborator University of New South Wales Associate Professor **Stephen Lord**. For \$20,000 annually, this service could be provided to an additional 500 very vulnerable seniors.

Early Identification and Treatment of Hip Impingement: Biomedical engineer and UBC Associate Professor **David Wilson** and surgical colleagues UBC Assistant Professor **Donald Garbuz** and Assistant Professor **Michael Gilbert** are Canadian pioneers in novel imaging that aims to detect the earliest signs of some forms of hip arthritis. Early detection could permit early treatment using keyhole hip surgery which is also being developed in CHH laboratories. This innovative research could dramatically influence the quality of life and outcomes for younger hip arthritis sufferers.

Summary

Knowledge translation is already a cornerstone of CHH research. We seek support so that CHH researchers can further benefit the many Canadians affected by hip conditions.