



Press release
For immediate release

A QUEBEC FIRST
A new medical device for knee problems
that might potentially delay or prevent hasty surgeries

Laval, May 17, 2010 — A new knee assessment tool that is unique in the world was recently developed by the team of Professor Jacques de Guise, Researcher at the Centre de recherche du CHUM (CRCHUM), Director of the Laboratoire de recherche en imagerie et orthopédie, and Professor at the ÉTS. “Today, Quebec has a very active segment of its population and therefore a considerable and growing number of people who suffer from osteoarthritis, tendonitis or ligament or meniscal injuries of the knee,” stated Professor de Guise. Which is why the KneeKG™, a revolutionary assessment technique, has turned out to be excellent news in the current context of Quebec’s health care system.

A tool greatly appreciated by baby boomers and athletes alike

The only device currently on the market that performs a dynamic 3D assessment of the knee, the KneeKG™ does not require a medical prescription and is a valuable tool for many types of patients. For baby boomers, who are more and more active and energetic but who often suffer from knee problems or the onset of osteoarthritis, this exam can orient and customize their treatment, thereby improving their quality of life. Athletes also get valuable information that could speed up rehabilitation after a knee injury and improve their ability to make a healthy return to training.

Decreased costs for the health care system

By putting doctors in a position to intervene more quickly and appropriately, the KneeKG™ exam could potentially prevent knee diseases or injuries from getting worse and leading to long treatment and costly surgeries. This would have a considerable impact on the health care system, considering that nearly 39,000 knee replacements were performed in Canada in 2007-2008, an increase of 133% in 10 years.

A test that provides unique data

“With this technology, we can identify difficult biomechanical problems that are sometimes impossible to see with other tests currently available. For doctors, this exam provides unique data that allows them to better understand the biomechanics of their patients’ knees, determine if further investigation is required, direct treatment, and refer patients to the right professional. Eventually we might potentially delay, or even avoid, surgery thanks to treatment that is better focused and that prevents the patient’s condition from deteriorating,” said orthopedic surgeon Dr. Guy Grimard. “For doctors and their patients, this is a new non-invasive, reliable and validated test that facilitates case management.”

An “electrocardiogram” for the knee

Currently, knee exams are mainly performed through medical imaging such as X-rays and magnetic resonance. These tests have their limits, however, as they only provide static images. The KneeKG™ provides a real-time 3D analysis of knee function in motion. It therefore provides additional information to help detect weaknesses in the joint.

The KneeKG™, or Knee Kinematic Graphic, is like an “electrocardiogram” for the knee. It is made up of a harness equipped with electromagnetic motion sensors. Attached to the leg, the device records the movement of the knee and provides precise information on its condition. This analysis quickly reveals any abnormalities related to knee osteoarthritis or knee injuries and can be used to optimize treatment plans.

Getting the exam

Two clinics currently offer the KneeKG™ exam:

- Centre du genou Emovi, 3095 Laval Autoroute West, 2nd floor, Laval, QC, 514-907-6296
- Action Sport Physio, 4150 Sainte-Catherine Street West, Suite 400, Westmount, QC, 514-939-1444

About Emovi

Emovi is a Quebec company that provides medical solutions specifically designed for the knee. With its Quebec-based university research partners, such as the CRCHUM and the École de technologie supérieure, Emovi developed the KneeKG™, a clinical tool that is unique in the world. Emovi holds the exclusive marketing rights for the KneeKG™ and is currently marketing the tool in Canada, the United States and Europe. Thanks to the Centre du genou Emovi and its clinical partnership with Action Sports Physio, Emovi is helping Quebec residents access this technology and strives to improve the quality of life of patients with knee osteoarthritis, ligament or meniscal tears, patellofemoral syndrome, tendonitis, and biomechanical deficits that cause pain and decreased function.

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