

MORE THAN 900 HIGHLY QUALIFIED RESEARCHERS, RESEARCH STAFF, AND STUDENTS DEDICATED TO CLINICAL RESEARCH!

FOR A NEW RESEARCH DYNAMIC

The Centre de recherche du Centre hospitalier universitaire de Sherbrooke (CRCHUS) plays a leadership role in creating and transferring knowledge to improve health. To this end, the CRCHUS fosters the excellence of its researchers by building on its strengths and its setting as well as by providing a collaborative environment conducive to creativity and partnerships. The research activities supported by the Centre contribute to the creation of innovative treatments and in the improvement of health care services.

EXCELLENCE - BOLDNESS - CREATIVITY

The CRCHUS is a world-class environment for research, innovation, and knowledge transfer that is dynamically integrated into its clinical and university setting. The CRCHUS collective achievements have a tangible impact on improving health.

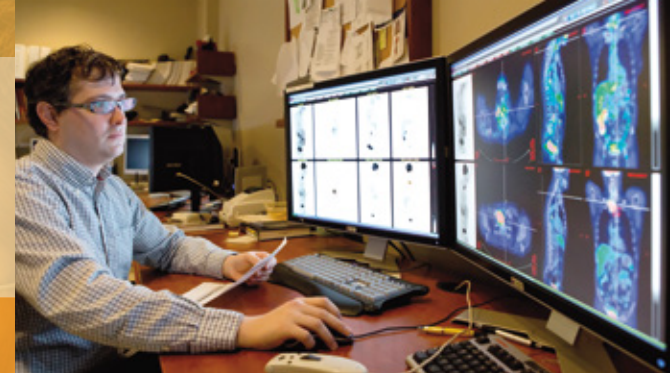
COMPETITIVE ADVANTAGES

The CRCHUS enjoys a unique advantage in Québec: **its proximity to the hospital, the Faculty of Medicine and Health Sciences at the Université de Sherbrooke, and the Institut de pharmacologie de Sherbrooke.**

As the only integrated university health and social services center in Québec that includes a CHU and its Research Center, the CIUSSS de l'Estrie – CHUS extends from Lac-Mégantic to Ange-Gardien and has more than 500,000 people who benefit from health care and social services, from prevention to subspecialty services.

Moreover, the database of **the Centre informatisé de recherche évaluative en services et soins de santé (CIRESSS) stores the clinical data of patients seen at the CHUS over the last 20 years.**

These two elements represent an undeniable asset, enabling the CRCHUS to undertake clinical research projects that cannot be conducted elsewhere.



The RESEARCHERS of the CRCHUS have been combining their expertise since 1980!

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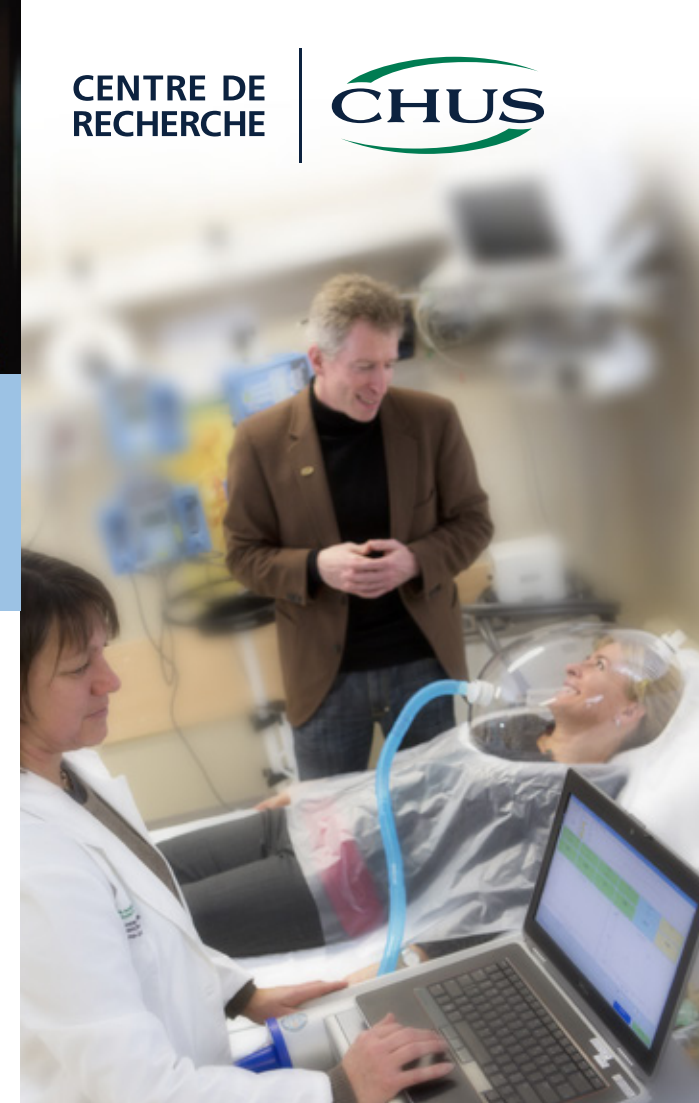
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de l'Estrie – Centre
hospitalier universitaire
de Sherbrooke

Québec 



A Passion for

DISCOVERY

SIX RESEARCH AXES

AT THE CUTTING EDGE OF HEALTH ISSUES

THE CENTRE FOR RESEARCH AT THE CHUS CAN COUNT ON VARIED MEDICAL EXPERTISE AND WELL-ESTABLISHED RESEARCH TEAMS WORKING ON SIX DIFFERENT RESEARCH AXES:

CANCER: BIOLOGY, PROGNOSIS, AND DIAGNOSIS

- Understand the mechanisms underlying cancer biology.
- Integrate fundamental knowledge into clinical practice.
- Develop new diagnostic strategies and therapeutic approaches.

DIABETES, OBESITY, AND CARDIOVASCULAR COMPLICATIONS

- Understand the fundamental mechanisms of diabetes and obesity.
- Identify the health and social determinants underlying the development of diabetes and obesity.
- Prevent cardiovascular and other consequences.

MEDICAL IMAGING

- Develop novel imaging approaches based on positron emission tomography (PET) and magnetic resonance imaging (MRI).
- Create new radiotracers for diagnosis and therapeutic management.
- Improve Canada's isotope supply chain.

INFLAMMATION - PAIN

- Elucidate the mechanisms underlying immune response, inflammatory diseases, and pain.
- Prevent pain and inflammation.
- Treat patients and provide relief.

MOTHER & CHILD

- Improve mother and child health, from conception to adolescence.
- Understand materno-fetal health, perinatal inflammation, and rare hereditary diseases.
- Identify and prevent hazards related to the environment of newborns.

HEALTH: POPULATIONS, ORGANIZATION, AND PRACTICES

- Understand the health-disease continuum and its determinants.
- Improve the health of individuals, as well as their care and services pathway.
- Increase the efficacy and effectiveness of recourse to resources as well as to preventive, diagnostic, therapeutic, and rehabilitation interventions.
- Develop, implement, and assess best practices.



THERAPEUTIC FIELDS OF CLINICAL RESEARCH AT THE CRCHUS

Anesthesia

Cancer:

- Gastrointestinal
- Gynecological
- Hematological
- Pediatric
- Radiation-Oncology Treatment

Cardiology

Community Health

Diabetes and Obesity

Digestive System

Endocrinology

Epidemiology

Genetic Diseases

Immune System

Infections

Infectious Diseases

Internal Medicine

Nephrology and Urology

Neurological and Brain Diseases

Pharmacology

Physiology

Physiotherapy



Pregnancy, Delivery, and Reproduction

Psychiatry

Psychology

Radiology and Medical Imagery

Respiratory System

Rheumatology

Sexual Health

Sleep Disorders

Surgery:

• Brain

• Cardiac

• General

• Vascular

Traumatology

Vaccines

DISTINCTIVE INFRASTRUCTURE FOR CLINICAL RESEARCH

Dedicated research technical support center for conducting projects from Phase I to IV

Clinical research spaces providing access to hospital services and facilities at the cutting edge of technology

Laboratories for processing specimens and satellite pharmacies dedicated to clinical research

Project office ensuring a standardized, streamlined process for proposal submissions and assessment in order to achieve reduced approval times

Clinical coordinator and liaison officer ensuring close cooperation with the various stakeholders throughout the process

Institutional clinical research policy and standardized operational procedures constantly updated

Continuing education offered to clinical research staff

Visit our website at cr.chus.qc.ca to find out more about our current research projects.