

Research for the **excellence in health**



– Service portfolio –

CIMED

Centro
de Investigaciones
de Méderi

Since 2010, the Méderi Research Center (CIMED) has led the coordination and management of scientific health research protocols, promoting ethical, rigorous, and relevant proposals for the clinical needs of our population. As a mission of the Méderi University Hospital, CIMED promotes the generation and application of knowledge that transforms patient care and strengthens evidence-based clinical practice.

We conduct research contracted with the pharmaceutical industry, as well as institutional and training research driven by our healthcare professionals and trainees.

Our uniqueness lies in our multidisciplinary, expert team deeply committed to human well-being, and is strengthened through strategic alliances with national and international institutions committed to the advancement of science, academia, and healthcare.



Strategic objectives

- We lead and manage scientific research projects in health
- We promote studies aligned with clinical and strategic priorities
- We develop high-impact collaborative research with national and international partners.
- We strengthen clinical practice through scientific evidence and new treatments.
- We train human talent in clinical research with high ethical and methodological standards.



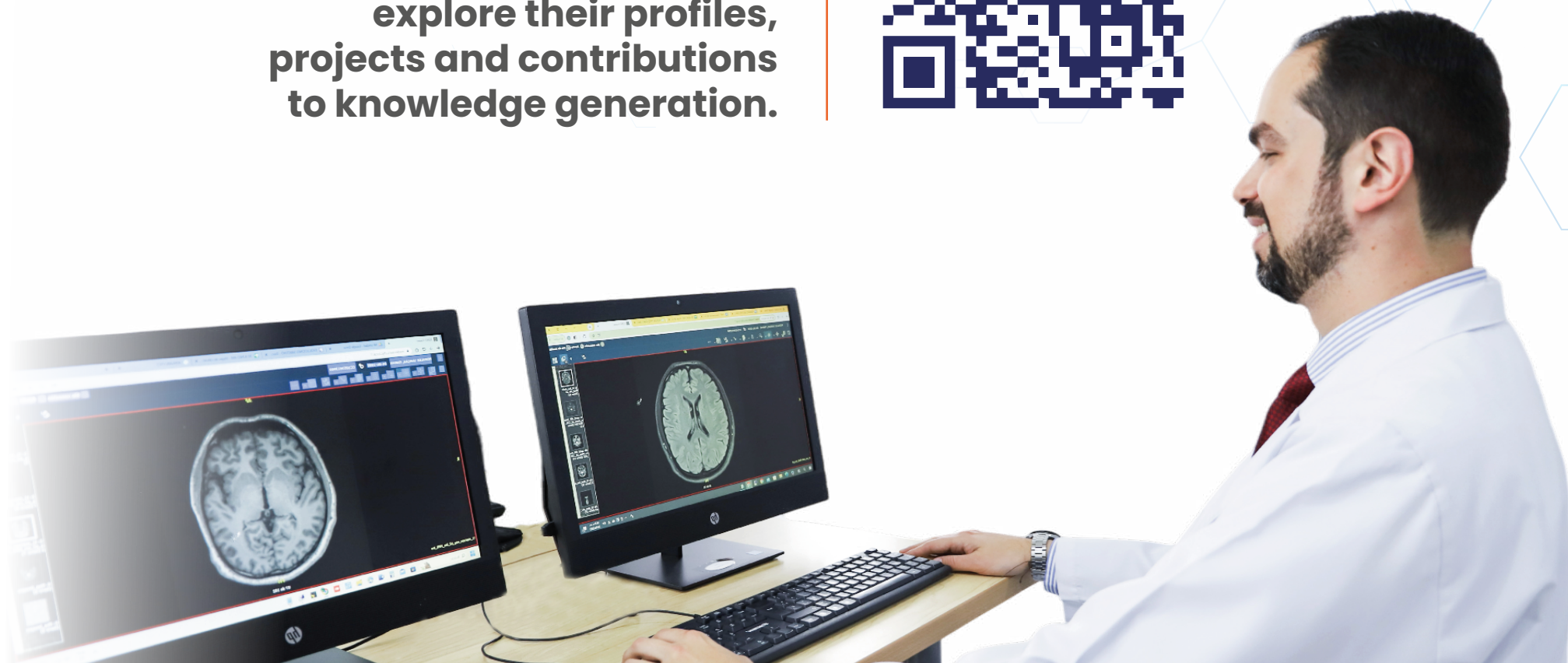
cimed@mederi.com.co
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Infrastructure

Our capacity as a research center is enhanced by being integrated into the highly complex **infrastructure of the Méderi University Hospital**:



Meet the people who make
research at Méderi possible:
**Scan the QR code and
explore their profiles,
projects and contributions
to knowledge generation.**



Servicios

As a research center, CIMED offers a range of strategic services that strengthen the quality, rigor, and impact of healthcare studies. Our institutional experience, the clinical support of the Mayor Méderi University Hospital, and a highly trained multidisciplinary team position us as key partners for researchers, academic institutions, and industry.

- Clinical Trial Development (Medicines and Medical Devices)
- Research Consulting
- Technical Research Committee (CTI)
- Ethics Committee for Research in Human Beings (CEISH)
- Health Technology Assessment Unit
- Evidence Synthesis Unit Training and Capacity Building
- Institutional Health Records
- Diagnostic Images
- Clinical Laboratory
- Clinical Research Support Services

Development of Clinical Trials

Medicines and Medical Devices

Over 12 years of experience driving healthcare innovation with rigorous execution of Phase I to IV clinical studies and medical device evaluation, backed by Invima certification.

We participate in high-impact multicenter research projects, in partnership with the national and international pharmaceutical and technology industries, as well as with leading CROs.

Efficient recruitment and comprehensive and strict monitoring of our participants.

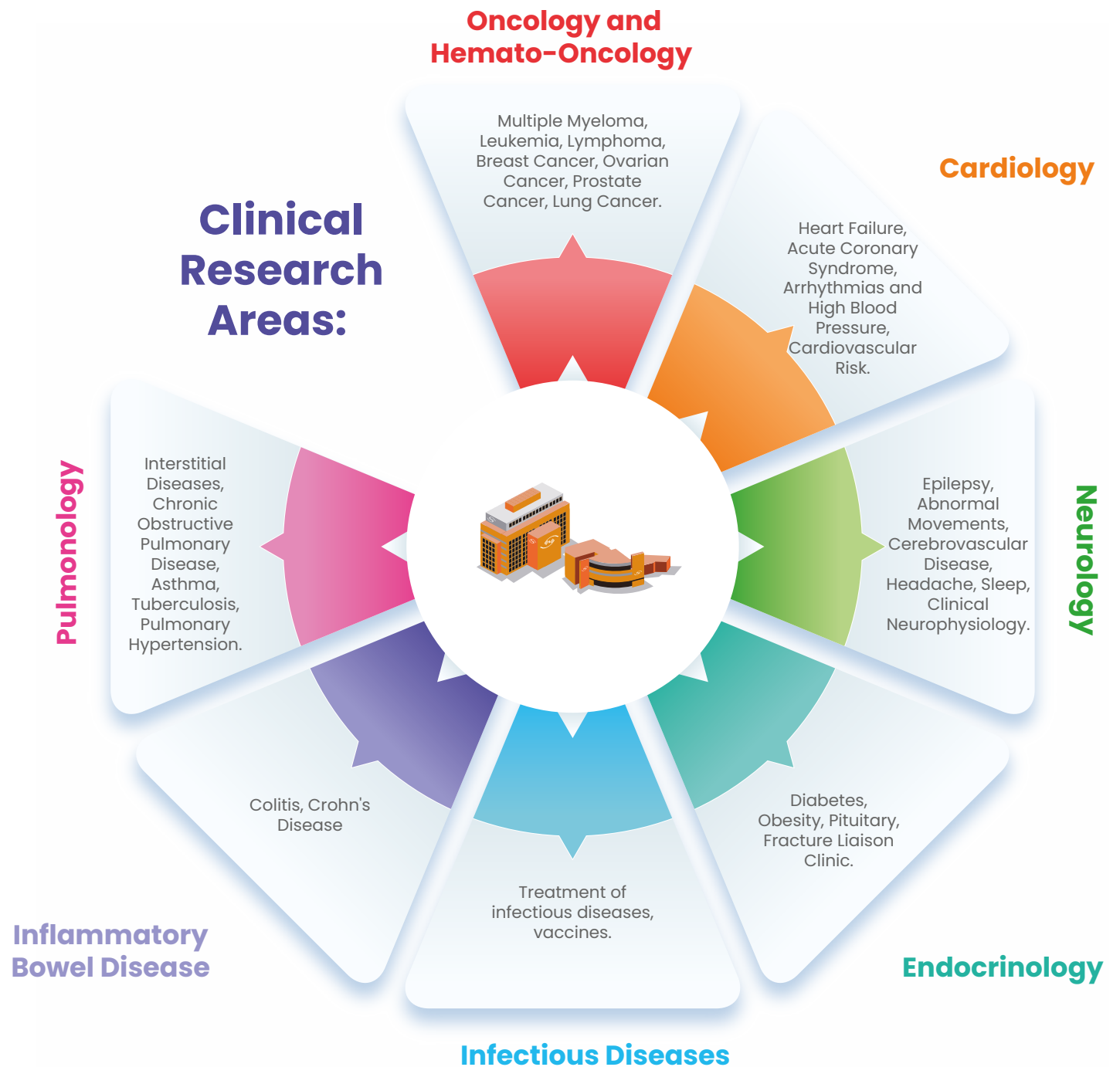
“ **We transform evidence into solutions** for the well-being of our patients, with quality, ethics, and scientific precision.

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Services

Clinical Research Areas:



Technical Research Committee – TRC

Expert evaluation and scientific integrity

Méderi's TRC offers healthcare institutions, universities, and research groups a specialized service for the technical and methodological evaluation of protocols, supported by an interdisciplinary team with extensive research experience.

- Methodological, statistical and operational evaluation of research protocols.
- Assessment of project feasibility in real clinical settings.
- Review of ethical and logistical aspects before presentation to the HREC
- Technical recommendations to strengthen the design and execution of the study.



Research Consulting

Clinical and administrative decisions based on evidence and efficiency

- Technical, scientific, and regulatory support for research teams.
- Consulting on methodological design, protocol development, and ethical and regulatory management.
- Extensive experience in multiple clinical specialties: oncology, neurology, pulmonology, cardiology, coloproctology, among others.
- Adaptable approach to the needs and objectives of each institution or project.



Evidence Synthesis Unit

Scientific review applied to the needs of practice

We offer scientific synthesis products tailored to the needs of healthcare institutions, academic groups, or clinical teams that need to make informed decisions.

- Development of systematic and scoping reviews, meta-analyses and network syntheses.
- Consulting for the evaluation of clinical questions, review structuring, and analysis.
- Generation of synthesis products for institutional support or publication.



Health technology assessment

Clinical and administrative decisions based on evidence and efficiency

We provide hospitals and decision-makers with structured health technology assessments that support purchasing, innovation, and clinical adoption processes.

- Clinical and economic evaluation of health technologies.
- Cost-effectiveness, budget impact and sustainability analysis.
- Technical reports for institutional purchasing or innovation committees.
- Comparative effectiveness studies (CER) to support clinical decisions.

Human Research Ethics Committee (HREC)

Ethical guarantee in research with human beings

- Ethical evaluation of clinical and academic studies.
- Issuance of ethical concepts and certificates for regulatory procedures.
- Periodic monitoring of approved studies.
- Institutional or external ethics advice for research teams.



Training and Training in Research

Training programs with a practical focus

We design and implement customized training processes for professionals, researchers, and clinical teams who wish to strengthen their capacity to develop rigorous and applicable research.

- ▶ Short training courses on research methodology, evidence synthesis, and regulations.
- ▶ Practical workshops on study design and clinical trial conduct.
- ▶ Practical training for developing records and parameterizing data collection platforms such as REDCap.

Institutional Health Data Registries

We make clinical data a strategic tool

- Leadership in the Institutional Health Registries Project since 2021.
- More than 20 institutional records and more than 10,000 observations in various specialties.
- Consulting services specialized in the planning and implementation of health records.



Services

Diagnostic images

- Advanced technology in conventional radiology, computed tomography, nuclear magnetic resonance (1.5T and 3T), ultrasound and echocardiography
- Expert interpretation and timely reporting.

Clinical Laboratory

- Services in molecular biology, genetic analysis and biochemical testing.
- Collection, processing, analysis and reporting of studies.

The Méderi Research Center is deeply integrated with the ten Méderi Institutes, which provide the structural and thematic foundation for developing a wide range of research areas.





Méderi Institute of Complex Abdominal Pathology

Our interdisciplinary organizational structure is designed to guide healthcare services toward excellence, humanization, and comprehensive care. We base our decisions on the best available scientific evidence, promote the ongoing training of our human talent, and foster the generation of innovative scientific knowledge that transforms clinical practice. Within this framework, we promote strategic lines of research in hepatobiliary and pancreatic pathology, surgical oncology, and surgery in the elderly, aligned with the most pressing clinical needs and the challenges of highly complex medicine.





Méderi Institute of Adult Hematology

The Adult Hematology Institute integrates a clinical and interdisciplinary approach to optimize patient care. Through clinical research in anticoagulation, epidemiological studies, and economic analysis, it seeks to improve decision-making, rational use of resources, and patient safety. Its interdisciplinary approach allows for the integration of science, medical practice, and sustainability in a highly complex hospital setting.



Méderi Institute of Cancer

The Cancer Institute offers comprehensive, interdisciplinary, and personalized care for the diagnosis and treatment of cancer, with a humane approach that prioritizes the well-being of patients and their families. As part of a highly complex hospital, it combines its clinical expertise with applied research and continuing academic training, developing research based on epidemiological studies, economic studies, and cancer genetics.





Méderi Heart and Thorax Institute

A highly complex institute focused on clinical research in cardiopulmonary pathologies such as heart failure, arterial and pulmonary hypertension, COPD, asthma, and interstitial lung disease. Its interdisciplinary structure encompasses strategic lines of research such as clinical cardiology and metabolic disorders, cardiocirculatory surgery, electrophysiology, hemodynamics, pulmonology, thoracic surgery, nephrology, and tuberculosis clinic.





Méderi Institute for Women's Health

The Women's Institute provides comprehensive and specialized care, focused on optimizing health outcomes and improving the patient experience. Its model is based on teaching and the standardization of clinical processes to strengthen the prevention and management of conditions with high morbidity and mortality. From this foundation, it promotes lines of research in preeclampsia and high obstetric risk, pelvic floor, cancer genetics, metabolic disorders, and neonatology.





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Méderi Brain, Head and Neck Institute

The Brain, Head, and Neck Institute integrates multidisciplinary expertise to offer comprehensive and specialized care to patients with complex pathologies, using a collaborative approach that transforms clinical practice and optimizes health outcomes in a highly complex hospital setting. From this foundation, it develops lines of research in stroke, headache, sleep neurophysiology, and reconstructive surgery.



Méderi Institute of Infectious Diseases and Tropical Medicine

The Institute focuses its care model on diagnostic quality, clinical precision, and the use of advanced technology. It leads research in genomics, metagenomics, molecular biology, epidemiological surveillance, and diagnostic validation, providing innovative solutions to current challenges in infectious diseases.





Méderi Institute of Specialized Orthopedic Clinics, Spine and Reconstruction

With a multidisciplinary approach and the support of cutting-edge technology, the Institute of Specialized Orthopedic Clinics, Spine, and Reconstruction at the Major Méderi University Hospital promotes applied research in hand surgery, hip fractures, and predictive models in orthopedics. These lines of research seek to address priority clinical needs and strengthen evidence-based care practices, consolidating continuing education processes in a highly complex hospital setting.



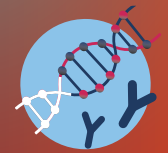
Méderi Institute of Ageing

The Méderi Institute on Aging promotes a comprehensive approach to older patients, with a care focus centered on healthy aging and interdisciplinary collaboration between geriatrics, nutrition, rehabilitation, and other key areas of care. From this perspective, it leads research in sarcopenia, body composition, frailty, and dementia, with the aim of strengthening clinical decision-making and providing contextualized evidence to improve care in a high-complexity hospital.





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Méderi Institute of Immune-mediated inflammatory diseases

The Institute promotes a patient-centered care model, supported by collaborative work between clinical specialties. This approach integrates clinical practice with applied research, strengthening institutional expertise in the interdisciplinary approach to complex conditions. Through this collaboration, the Institute conducts studies in priority areas such as vasculitis and systemic lupus erythematosus (SLE).

Institutional Partners



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