ABOUT US

The Lucy Montoro Rehabilitation Network was created by the Decree 52.973/08. Its statutes were established by the Decree 55.3739/10, and reviewed by Decrees 58.050/12 and 61.003/14 of the São Paulo State Government, through its State Secretariats for Health and the Rights of the Person with Disability. Moreover, it gathers renowned institutions providing rehabilitation care, training and research.

The Lucy Montoro Rehabilitation Network provides comprehensive, multidisciplinary rehabilitation care, enabling person with disabling health conditions to have a better quality of life and adequate training to actively and fully enjoy their rights.

The rehabilitation program comprises services delivered in the following areas: spinal cord injury, amputation, malformation, brain injury, cerebral palsy, disabling pain, among others.

The institution receives patients from both the public and private health system, and is a reference on services provision, training and research, providing orthotics, prosthetics and other mobility aids through the public healthcare system.

OUR GUIDELINES

MISSION

To ensure excellence in management, with sustainable processes and methods, technological update and networking, acting as a transformation agent in the fields of care, education and research and being recognized by society for the quality of results achieved.

VISION

Being a pioneer in rehabilitation care through clinical research and technological innovation, inspiring the care provided for acute, post-acute and chronic patients by developing outcomes assessment strategies for patients and society.

VALUES

Ethics
Humanism
Social Responsibility
Pluralism
Pioneering
Institutional Commitment

REHABILITATION CARE

A multi-and interdisciplinary team provides specialized care in the area of physical and rehabilitation medicine aiming at enabling patients to achieve their highest level of physical and functional independence and autonomy, according to their level of impairment, thus promoting the social inclusion of persons with disabilities.

REHABILITATION TEAM

- Physiatrists and Medical Consultants*
- Psychologists
- Nurses
- Social Workers
- Physiotherapists
- Occupational Therapists
- Physical Fitness Professionals
- Nutritionists
- Speech Therapists
- Odontologists

*Consultant medical doctors in the following areas of expertise: Cardiology, Urology, Neurology, Pediatrics, and General Practice.

ADDITIONAL SERVICES

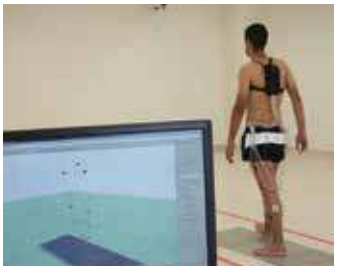
Orthoses, prostheses and other mobility aids workshop and bioengineering laboratory.

ROBOT ASSISTED GAIT TRAINING

Using technology to improve the well being of persons with disabilities is a constant challenge. Hence, the Lucy Montoro Rehabilitation Network invests in acquiring modern technologies, which assist the recovery of patients with stroke, cerebral palsy, spinal cord injuries, and several other neurologic conditions.

In 2013, the Network inaugurated the first Robotics and Neuromodulation Laboratory in Brazil, counting on devices that are completely new to the Public Healthcare System.

- 3D Movement Analysis Laboratory
- Balance Assessment Platform
- Biofeedback
- Computerized Dynamometer
- Diagnosis and Treatment Devices
- Functional Electrical Stimulation
- High-Density Electroencephalogram
- Podobarometrics
- Robot-assisted
- Shockwave Therapy Devices
- Transcranial Magnetic Stimulation
- Upper Limb Robotic Therapy Devices
- Urodynamic
- Virtual Reality-Assisted Therapy



EXOSKELETON

The exoskeleton allows the patient with paraplegia to move independently simply by tilting their body; the robot features a system that balances the center of gravity to provide greater balance.

On May 22, the 15th anniversary of the Lucy Montoro Rehabilitation Network, we announced a collaboration with the Wandercraft company and the Brazilian Paralympic Center to foster scienti c and technological research on robotic exoskeletons. Soon, the "Walking Club: Longevity and Functioning" program will feature activities dedicated to maintaining the functioning conditions of patients with spinal cord injuries.

With this unprecedented technology, the patients "wears" the exoskeleton and, with the movement of their own body, the robot initiates walking. The equipment is programmed according to the costumer's goals. The exoskeleton can lean, sit and stand up, walk forwards, backwards, and sideways, as well as climb stairs.

FACILITIES

According to the Decree 61.003/14, the Lucy Montoro Rehabilitation Network has 23 permanent facilitie operating in several cities throughout the State of São Paulo, categorized as:

I – Rehabilitation Institutes (for inpatient care)
II – Rehabilitation Centers (for outpatient care)
III – Rehabilitation Services (for outpatient care and community outreach)

To know more about our facilities, please access www.redelucymontoro.org.br

WORLD REHABILITATION ALLIANCE

In 2023, IMREA-HCFMUSP hosted medical and non-medical students from Freies Musikzentrum, Germany, and Hacettepe Üniversitesi, Turkey, for observational internships, as well as welcomed Prof. Dr. Marcos Montagnini from the University of Michigan, United States of America.

The Collaborating Center (CC) for Rehabilitation and Assistive Technology collaborated with the Regional and National Offices of PAHO/WHO, participating in discussions across various forums on inclusive health, rehabilitation research, and strengthening rehabilitation in the Americas region. Additionally, the CC contributed to the review of the Priority Assistive Products List and WHO's Rehabilitation Indicators List. The CC also supported WHO and UNICEF in conducting a regional workshop on expanding access to assistive technology in Latin American and Caribbean countries. Furthermore, the CC became a member of the Global Rehabilitation Alliance, an WHO initiative promoting themes such as integrating rehabilitation into primary health care, preparedness, and response to emergency situations, as well as strengthening rehabilitation workforce and research.

TECHNOLOGY IMPROVEMENT AND EXCLUSIVENESS

The Physical and Rehabilitation Medicine Institute of the University of Sao Paulo Medical School General Hospital (IMREA-HCFMUSP) is a reference in the rehabilitation of people with disabling health conditions, with 100% accessible facilities that offer out- and inpatient care. For having the first Robotics and Neuromodulation Laboratory applied to rehabilitation in the country, the Institute combines state-of-the-art neurological exams and studies with the rehabilitation treatment of its patients. Additionally, its team has an extensive experience in non-invasive neuromodulation, which, through repetitive magnetic stimuli, modifies brain activity to treat clinical conditions such as depression, chronic pain, and stroke sequelae, among others.

Transcranial Magnetic Stimulation (TMS) is used in association with other neurophysiological evaluations to quantify brain changes generated by different types of treatments, including Repetitive Transcranial Magnetic Stimulation (rTMS). On the other hand, Transcranial Pulse Stimulation (TPS) generates soundwaves focused on the brain to assist with stimulation and regeneration, and Transcranial Direct Current Stimulation (TDCS) acts directly on the skull. These technologies modify brain activity in order to treat various conditions, including depression, chronic pain and stroke sequelae.

The Armeo Spring is an equipment used to improve the function of upper limbs by combining therapeutic exercises through the simulation of specific tasks and games. In addition to providing motor learning, it records the progress and allows an accurate assessment for exercise continuity and evaluation. In this way, patients using Armeo demonstrate more attention, motivation and progress compared to conventional therapies. During treatment, patients perform everyday tasks and receive visual and auditory feedback. The equipment also allows the patients to correct their mistakes, understand the movement performed and the goal of that task. Also dedicated to upper limbs exercises, Vivax is a 100% Brazilian device that allows patients to perform three-dimensional movements of the upper limbs in a way that had not been achieved by other devices.

Another exclusivity in the public health system, the Lokomat is a device for lower limbs exercises that offers a similar solution aimed at the movement of the hip and knee joints. IMREA-HCFMUSP also counts on functional electrical stimulation (FES) cycling, which helps patients with spinal cord injury to perform active lower limbs exercises, and balance platforms used for patient assessment.

CARF

In the years 2014, 2017, 2020, and 2024, the Institute of Physical Medicine and Rehabilitation of the Hospital das Clínicas, Faculty of Medicine, University of São Paulo (IMREA HCFMUSP) achieved CARF (Commission on Accreditation of Rehabilitation Facilities) accreditation at its highest level, being the pioneer in Brazil.

With outstanding international relevance in the field of rehabilitation, these four consecutive certifications consolidate IMREA's global leadership in its rehabilitation programs (outpatient and inpatient care, as well as the inpatient amputee program at the Vila Mariana unit), reaffirming its commitment to excellence in management and person-centered care. The institute continuously seeks to enhance its processes to ensure safety and excellence in services, ultimately improving the quality of life for people with disabilities.

We highlight the main strengths identi ed in the last report issued by the CARF evaluation team, which conducted on-site visits to all IMREA facilities:
- Leadership:
  - Strongly committed to the mission of improving the quality of life and inclusion of people with disabilities;
  - Promotes the philosophy of patient-centered rehabilitation treatment.

- Employees:
  - Dedicated to the Institute's mission and vision;
  - Utilize a comprehensive and integrated approach to rehabilitation treatment;
  - Highly trained and experienced in applying and teaching individualized techniques based on each patient's needs.

- Education: the team is engaged in education at all levels. This includes undergraduate and postgraduate courses for various professional categories, in addition to medical education. The organization's dedication to generating knowledge for expanding access to rehabilitation services is noteworthy.

- Inpatient Amputee Program: highly successful in fostering a culture of teamwork, evidenced by a high level of communication and collaboration among its members.

- Physical Facilities: excellence in equipment and resources that significantly contribute to rehabilitation treatment.

- Public Policies:
  - Dedication to the development and implementation of national public policies;
  - Solid humanization program implemented, with good dissemination of the Ombudsman service.

- Accessibility: a high level of commitment and excellence in relation to Accessibility, with a plan that meticulously identifies possible barriers which are addressed through well-documented processes, including validation from patients regarding the effectiveness of actions.

- Technology: the multidisciplinary team utilizes all available technology as a resource for engaging patients of all age groups in therapeutic activities that benefit them.

- ReabilityLabs: the complementary activity programs at IMREA Lapa offer a wide range of vocational possibilities for patients, enabling them to return to work activities and creating opportunities for entrepreneurship through artistic and artisanal work. Moreover, the focus on artistic expression activities allows patients to tell their stories and share their experiences.