

The background of the entire page is a photograph of the Hospital Sírio-Libanês building. It is a large, ornate, white neoclassical structure with multiple stories, arched windows, and classical columns. In the background, a modern, multi-story grey building is visible. The foreground shows a well-maintained lawn with several tall, thin, dark green trees and some smaller shrubs. The sky is clear and blue.

SIEMENS

Cooperation
International
Cardiovascular
Reference Center



HOSPITAL
SÍRIO-LIBANÊS

Siemens International Cardiovascular Reference Center

Hospital Sírio-Libanês, São Paulo, Brazil

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Answers for life.



Two strong

Hospital Sírio-Libanês

Sociedade Beneficente de Senhoras - Hospital Sírio-Libanês was founded in 1921 in São Paulo. Today, it is one of the most reputable healthcare organizations in Brazil, promoting medical and social well-being as well as education and research.

As a leading healthcare provider, Hospital Sírio-Libanês offers a wide variety of medical specialties, from preventive medicine programs, urgent and emergency medical care, and diagnostic center to highly complex inpatient treatment, rehabilitation units, and specialty centers. The main hospital currently has 450 beds and will see significant growth in the coming years.

The mission of Hospital Sírio-Libanês is to be a Center of Medical Excellence with a focus on teaching and research. The healthcare model used to customize patient treatment is one of Hospital Sírio-Libanês' distinguishing features.

Hospital Sírio-Libanês is recognized internationally for excellence, leadership, and pioneering in healthcare and knowledge generation, as well as for its focus on social and environmental responsibility and sustainability. The hospital aims to share its expertise, and welcomes medical professionals from all over the world.

“With the Reference Center, our partnership with Siemens Healthcare will reach a new level of scientific collaboration. This investment in research and education will help us bring numerous benefits to patients and improve access to high-quality healthcare.”

Dr. Giovanni Cerri,
Member of the Board of Directors of Hospital Sírio-Libanês
and responsible for General Radiology in the Diagnostics Center

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one

partners

Siemens Healthcare

The Siemens Healthcare Sector is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, and medical information technology. Siemens Healthcare offers its customers products and solutions for the entire range of patient care from a single source – from prevention and early detection to diagnosis, treatment, and aftercare. By optimizing clinical workflows for the most common diseases, Siemens Healthcare also makes healthcare faster, better, and more cost-effective.

As a solution provider, Siemens Healthcare is in continuous interaction with expert cardiologists and cardiac surgeons worldwide, which has provided us with a deep understanding of the clinical and economic requirements of cardiovascular care. In the field of cardiology, Siemens Healthcare drives the development and optimization of clinical processes for specific diseases. It is our aim to develop workflows and solutions, utilizing the most advanced technologies, that will provide the best possible care for each individual patient along the entire continuum of diagnosis and treatment.

The Siemens Healthcare Clinical Competence Center Cardiology is dedicated to advancing these concepts and developments in selected clinical partnerships – together with our customers.

“The mutual goal of our partnership with Hospital Sírio-Libanês is to improve clinical value and operational outcomes in cardiovascular care. Together we will contribute to the ongoing transformation of healthcare toward a value-based delivery model.”

Dr. Norbert Gaus,
CEO Customer Solutions Division,
Siemens Healthcare Sector

shared vision





Siemens International Cardiovascular Reference Center

After many years of intensive collaboration in the areas of research development, workflow improvement, and education for non-invasive and invasive cardiology, the Hospital Sírio-Libanês and Siemens Healthcare have now agreed to join forces in a strategic partnership by establishing the Siemens International Cardiovascular Reference Center.

The scope of the collaboration includes the establishment of a number of programs with a regional and international footprint that will enable knowledge-sharing in clinical trainings and fellowships as well as the exchange of experience during clinical workflow visits. The Reference Center aims to promote sustainable healthcare and a broad access to advanced procedures as key factors in the well-being of the overall population.

The Reference Center is open to medical professionals from all over the world who are interested in observing the most advanced medical equipment and learning complex techniques in cardiology and cardiac surgery from clinical leaders in their fields.



Exchanging experience

by demonstrating state-of-the-art workflows and advanced medical technology

Bringing innovation into its clinical routines has always been a key component of Sírio-Libanês' clinical excellence philosophy. This strength and experience in advanced imaging makes the hospital one of the leading institutions in introducing and developing minimally invasive image-guided procedures. At Hospital Sírio-Libanês, radiology and cardiology departments have a strong collaboration that results in advanced offerings in patient care, including cardiac CT and cardiac MRI. The hospital is equipped with Siemens' advanced cardiac imaging solutions and has been the first institution in Brazil to install a dual-source CT scanner.

As a benchmark institution in Brazil and South America, Hospital Sírio-Libanês is the ideal setting to welcome interested visitors from around the world. The visit program at the Reference Center is tailored to the individual requirements of the guests and is led by experienced clinical specialists who present a variety of topic areas such as:

Advanced cardiac imaging – cardiac CT

Discover how cardiac CT can be efficiently integrated into clinical workflows, and learn how the cardiac CT can be used in practice to improve clinical and operational outcomes in cardiovascular care.

Minimally invasive procedures in structural heart disease

As one of the first in Brazil to implement TAVI and other minimally invasive procedures, Hospital Sírio-Libanês knows all the requirements for establishing a successful service for new interventional procedures in cardiovascular care.

Translational research – from bench to bedside

The Institute of Education and Research (IEP) is a unique organization that enables Hospital Sírio-Libanês as a philanthropic institution to perform research and development with the vision of having an immediate impact on clinical routines. Understand how R&D can be successfully integrated and influence the way you deliver care.



“By establishing the Reference Center, we will demonstrate the greater efficiency and improved results that can be achieved with the incorporation of advanced technology. Our role is to increase the speed of transition between what is still practiced today and the state-of-the-art of minimally invasive procedures.”

Dr. Paulo Chapchap,
Chief Strategic Officer, Hospital Sírio-Libanês

The management team at Sírio-Libanês
is committed to medical excellence

Sharing knowledge

and broadening in-depth expertise through multimodality clinical trainings and fellowships

Hospital Sírio-Libanês is committed to providing patients with access to the most advanced diagnostic and therapeutic procedures to ensure the best possible outcomes. To achieve this, clinicians also share their expertise and experience through educational offerings.

Adhering to guidelines and keeping pace with innovation requires continuous education of physicians and other healthcare professionals. In addition, increasing our hospitals' clinical, operational, and financial efficiency is becoming more and more dependent on medical staffs that regularly upgrade their skills and expand their knowledge base.

Hospital Sírio-Libanês and Siemens Healthcare will jointly design training and education offerings for healthcare professionals that cover topics including:

- advanced cardiac CT imaging
- advanced cardiac MR imaging
- new interventional and image-guided procedures in cardiology
- Hybrid OR – clinical, structural, and organizational standards

Offerings may range from symposia and short-term trainings to mid- and long-term fellowships. The offerings will specifically address topics such as:

- organization and optimization of advanced imaging protocols
- interdisciplinary image reading and interpretation
- cross-departmental workflow optimization
- patient preparation, triage, and image guidance in the context of new interventional procedures

The structured training programs are aimed at interested healthcare professionals from Brazil and abroad and will be conducted at the Bela Vista site of Hospital Sírio-Libanês.

Medical technology at the Reference Center

Artis zeego® – interventional angiography system

- Multi-axis system based on robotic technology
- 3D view of the region of interest

Artis zee® floor-mounted

- Increased efficiency with menu-driven workflows and intuitive tableside operation

Axiom Luminos dRF and Axiom Iconos R200 with remote control

- Highly flexible solutions for fluoroscopy

SOMATOM® Definition Flash – Dual Source CT

- Benchmark for dose efficiency
- Split-second imaging

SOMATOM Definition AS20 and SOMATOM Definition AS+

- With Open CT for low-dose scanning

MAGNETOM® Skyra 3T MRI system

- Excellent image quality and reduced scan time
- DOT technology allows fast and easy configuration

MAGNETOM Espree 1.5T MRI system

- Open-bore design and 1.5T for interoperative scanning in real time

MAGNETOM Avanto 1.5T MRI system

- Tim® technology for excellent image quality and optimized workflows

syngo®.via – Imaging software

- 3D routine and advanced reading solution

SOMATOM
Definition Flash (left)
MAGNETOM
Skyra (right)

Driving the development of new solutions

through multimodality integration and workflow optimization

Hospital Sírio-Libanês has a long history of teaching and research. Its research center (IEP) was founded in 1978 and continues to differentiate it from other institutions. For example, Hospital Sírio-Libanês is working together with Siemens to develop a new MRI protocol for patients at risk for developing a serious cardiac condition. This innovative protocol is planned to reduce procedure scan time significantly.

In the framework of the partnership, the cardiology experts at Hospital Sírio-Libanês will be advisors to Siemens in the field of multimodality image integration and cross-

modality evaluation. One focus of the collaboration will be the continuous improvement of image-guided therapies for cardiovascular disease, because it is essential to provide physicians with tools that enhance their clinical resources. Hospital Sírio-Libanês and Siemens are joining forces to evaluate clinical workflows and identify areas of opportunity in this field.

“The intensive courses we offer at the Reference Center differ from a standard residency program. The physician is fully integrated into the care routine for a longer period of time. In this new format, the professional will receive a specific qualification for diagnosis and treatment using cardiac imaging.”

Dr. Luiz Francisco Rodrigues de Ávila,
Head of the Cardiac Imaging Group at the Diagnostic Center,
Hospital Sírio-Libanês



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