

# Clemenceau Medical Center Beirut at the Forefront of Healthcare Transformation



Clemenceau Medical Center Beirut is a leading institution committed to advancing healthcare through continuous investment in innovation and clinical excellence. Guided by a long-term strategic vision and aligned with the highest international standards, CMC integrates state-of-the-art medical technologies across all specialties to enhance precision, safety, and patient outcomes. Through this commitment, CMC has established itself as a trusted center of medical excellence and the destination of choice for patients seeking the highest level of precision, confidence, and excellence in healthcare.

## Robotic Surgery



CMC has been a pioneer in **Robotic Surgery** since introducing this transformative technology to Lebanon in 2012. Building on this foundation of leadership, the center now utilizes the cutting-edge da Vinci Xi system, setting new benchmarks in precision and patient care.

**The Karl Storz 4K Tower**  
In the pursuit of excellence in surgical visualization

and precision, the Karl Storz 4K Tower represents a significant leap forward in endoscopic imaging technology.

## Brain lab Exac Trac Dynamic ARIA System (Version 18)

As part of a groundbreaking initiative that reflects a forward-thinking vision for delivering medical care in line with the highest international standards, Clemenceau Medical Center, Beirut, continues its long-term investment in the latest advancements in Radiation Therapy.

## Urology

### Piezo Lith 3000Plus

At Clemenceau Medical Center, Beirut, the Urology Department is committed to providing advanced, patient-focused care through the integration of the latest medical technologies. As part of this mission, the department proudly offers lithotripsy using the Piezo Lith 3000Plus, a state-of-the-art, non-invasive solution for the treatment of kidney and urinary stones.

## Prostate Biopsy Using the Koelis MR Fusion System

The Koelis MR Fusion system is a cutting-edge platform that combines magnetic resonance imaging (MRI) with real-time ultrasound to perform highly precise prostate biopsies. This innovation significantly enhances diagnostic accuracy while reducing patient risk.

## Diagnostic Imaging

### CT Revolution Apex

Artificial intelligence is rapidly transforming the medical field, and Clemenceau Medical Center Beirut is at the forefront of this shift, particularly in cardiovascular care. By integrating AI-powered systems, the center now delivers faster, more accurate diagnoses and develops personalized treatment plans tailored to each patient's unique needs.

### SIGNA Architect 3 MR 3.0T

CMC has also upgraded its 3 Tesla MRI system, now enhanced with AI tools that allow for precise assessment of heart structure, blood flow, and tissue condition. These capabilities help physicians detect complex conditions such as cardiac fibrosis earlier and more accurately, significantly improving treatment outcomes.

## AI Applications Across Modalities

### CVI42

CMC integrates AI across echocardiography, cardiovascular computed tomography (CT), and cardiovascular magnetic resonance imaging (MRI). AI automates measurements of ventricular dimensions and functions, improves coronary artery visualization, and enhances scar burden calculation, reducing analysis time and enhancing clinical decision-making. In MRI, AI-powered software like CVI42 provides comprehensive solutions tailored to meet the unique needs of each patient.

### Contrast-Enhanced Mammography (CEM) and 3D Mammography

Both of which offer high-resolution and detailed imaging that allow the identification of even the smallest tumors in dense breast tissue.

### Stenograph Pristina Gen 2

A leading advancement in digital mammography technology, designed to elevate breast imaging through

exceptional precision and patient-centered innovation.

### Logiq Fortis

A cutting-edge ultrasound system that provides exceptional image quality that surpasses standards and includes integrated AI for advanced image reconstruction.

## Cardiology

### FARAPULSE- Pulsed Field Ablation (PFA) system

This cutting-edge technology marks a breakthrough in the treatment of cardiac arrhythmias, providing a safer and more precise approach compared to conventional ablation techniques.

All These smart advancements and technologies underscore Clemenceau Medical Center Beirut's long-term vision to lead through innovation and clinical distinction. Through the integration of advanced technologies across all medical specialties, CMC drives operational excellence, delivers superior clinical outcomes, and reinforces its role as a premier medical institution aligned with the highest international standards, making it the preferred choice for patients seeking uncompromising precision and excellence in healthcare.

