

Physician Focus

Lundquist Lurie Cardiovascular Institute (LLCVI)



Message from the director

As cardiovascular care continues to evolve, groundbreaking treatment options are now available for all types of cardiovascular conditions. The clinical staff at the Lundquist Lurie

Cardiovascular Institute at Torrance Memorial Medical Center is at the forefront of the latest techniques, providing complete and expert care for residents of the South Bay.

Since the Institute's founding 16 years ago, our programs have continued to grow in the areas of structural heart, electrophysiology, cardiac surgery, PCI-STEMI, and heart failure – with volumes and outcomes that are among the best in the region and the nation. We provide cardiovascular care for more than 4,000 patients per year, making Torrance Memorial Medical Center the third-busiest hospital in Los Angeles County for cardiovascular care.

And after 16 years of growth, our progress continues. Our investments in new technology such as our Hybrid Operating Room and the expansion of our partnership with Cedars-Sinai cardiothoracic surgery are designed to offer our patients the most advanced cardiac surgery options right here in the South Bay.

I continue to be extremely proud of the achievements of our highly trained and experienced doctors, nurses and medical technologists, all of whom are committed to delivering a superior level of integrated and comprehensive cardiovascular care to our community.

Mark Lurie

Mark Lurie, MD

Medical Director of the Lundquist Lurie Cardiovascular Institute; Medical Director of the Congestive Heart Failure Program; Medical Director of the Acute Myocardial Infarction Program; Medical Director of Cardiology; and Co-Director of the Diabetes Management Program at Torrance Memorial Medical Center

Experience matters – 2019/2020 by the numbers

- 4,000+ inpatient cardiac patients in 2019
- 1,000 heart failure patients treated with 17.4 percent decrease in readmission rates and 54.3 percent decrease in mortality rates since 2016
- 59-minute door-to-balloon time – the fastest in the South Bay and among the top 25 percent in the US
- 555 transcatheter aortic valve replacement (TAVR) procedures since 2014 – the most in the South Bay
- 35 studies conducted and published in peer-reviewed medical journals

Total cardiac acute discharges in Los Angeles County*

1. Cedars-Sinai	5,883
2. Kaiser Foundation Hospital	4,596
3. Torrance Memorial Medical Center	3,999
4. Adventist Health Glendale	2,973
5. Long Beach Medical Center	2,956
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11. Little Company of Mary Medical Center	2,505

*Source: OSHPD 2018

Physician Focus (cont'd.)

Lundquist Lurie Cardiovascular Institute (LLCVI)

Expertise

The range, experience and depth of our cardiovascular team means patients do not need to leave the South Bay for convenient care. Our expertise includes:

- The use of minimally invasive techniques to perform a full range of surgical procedures, including chronic total occlusion percutaneous coronary intervention (CTO PCI), mitral valve repair, aortic valve repair, and off-pump coronary artery bypass graft (CABG) surgery
- Expert cardiac surgery care through our partnership with Cedars-Sinai
- High-volume expertise in structural heart procedures including TAVR, MitraClip™ and patent foramen ovale (PFO) closure
- Award-winning heart failure team including cardiologists, nurses, dietitians, pharmacists and case managers
- Electrophysiologists with extensive experience in advanced arrhythmia treatments including the Convergent Procedure for A-fib

Technology

By investing in the latest technology, the Lundquist Lurie Cardiovascular Institute gives our cardiologists, cardiovascular surgeons, and staff the tools they need to achieve the best possible outcomes. Our technology advancements include:

- Hybrid Operating Room with specialized equipment that allows collaboration between surgical, interventional cardiology and electrophysiology specialists, who can perform procedures at the same time
- Two state-of-the-art interventional cardiology procedural rooms
- The latest diagnostic technology, including Philips – the newest model is the **EPIQ CVxi**. We have both echocardiography machines to deliver enhanced clinical data, improved visualization, and fast, accurate results
- Two dedicated electrophysiology labs equipped with the latest technology
- 12-bed Cardiovascular Intensive Care Unit (CVICU), which delivers the highest quality cardiovascular care for patients who have severe heart disease or who are recovering from a cardiovascular surgery or event

Specialties

Referring physicians need look no further than the Lundquist Lurie Cardiovascular Institute for excellent and comprehensive cardiovascular care

Cardiac surgery

- Used the left internal mammary artery (LIMA) to bypass the left anterior descending (LAD) artery in **100 percent** of CABG procedures during the past four years



Increased use of arterial grafts for coronary artery bypass surgery, including bilateral mammaries and radial arteries since 2015



Overall risk adjusted mortality rate for 2019. Significantly lower than the state of California and other hospitals participating in **STS**

Structural Heart Program

- Full range of procedures – including TAVR, MitraClip, and WATCHMAN™ – using **catheter-based techniques**
- TAVR outcomes **superior to the national average**
- Highest-volume program** in the South Bay and **third-highest** in Los Angeles County



149 percent
TAVR growth over the past five years



555+
procedures **totaled**

Heart Failure Program

- Comprehensive, supportive and long-term** approach to patient care
- Affiliation with Cedars-Sinai gives patients seamless access to further **advanced care, including mechanical support and/or heart transplant**
- 54.3 percent decrease** in mortality rates and **17.4 percent decrease** in readmission rates since 2016



1,000+

heart failure patients treated every year



96 percent

compliance with the American Heart Association's **best practice guidelines** for heart failure care

Specialties (cont'd.)

Referring physicians need look no further than the Lundquist Lurie Cardiovascular Institute for excellent and comprehensive cardiovascular care

Electrophysiology

- **Most experienced heart rhythm management program** in the South Bay, offering EP studies, catheter ablation, cardioversion, defibrillators and pacemakers
- Two dedicated **electrophysiology labs**

Interventional cardiology

- **National leaders in the treatment of chronic total occlusion (CTO)** using minimally invasive technique called CTO percutaneous coronary intervention (CTO PCI)

PCI-STEMI

- Nearly **100 percent** of PCI procedures performed using **radial artery access**
- **25.5 percent decrease** in mortality rates and **17.2 percent decrease** in readmission rates since 2015



59 minutes

Door-to-balloon (D2B) time. Fastest in the South Bay and ranks Torrance Memorial among the **top 25 percent** of hospitals in the United States

Research and clinical trials

- **Increased access to the latest clinical trials** through partnership with Cedars-Sinai
- Research team includes a **medical director**, **two research coordinators**, and **two clinical research registered nurses**



35 cardiac research trials

conducted at Torrance Memorial Medical Center since 2002

Awards and Recognition



U.S. News & World Report High Performing Hospital (2020-21)

- Heart Bypass
- Abdominal Aortic Aneurysm
- Aortic Valve Surgery
- Heart Failure



Newsweek – Top 100 Hospitals for Specialized Cardiovascular Care (2020-21)

Newsweek – World's Best Hospitals 2020



Heart Failure – American Heart Association

- Honor Roll Recipient – 2018 and 2019
- Get With The Guidelines® – Gold Plus performance in Heart Failure program (2019)
 - Program's highest distinction
- Get With The Guidelines – Gold Plus performance in Stroke program (2019)
- Target – Stroke Honor Roll
- Target – Heart Failure



PCI-STEMI

- National Cardiovascular Data Registry – Gold Performance Achievement Award (as part of their ACTION Registry® – GWTG™ program)
- AHA's Get With The Guidelines – Gold performance in Resuscitation (2019)
- Mission: Lifeline® STEMI Receiving Center – Gold Plus Recognition Award (2019)
- AHA STEMI – Gold Plus Receiving
- AHA NSTEMI – Silver

