

LIMA · PERÚ

NINETEENTH EDUCATIONAL – SURGICAL MISSION 2026 - 2

HOSPITAL NACIONAL DOS DE MAYO LIMA, PERU
SEPTEMBER 14 -19, 2026



SALVANDO CORAZONES

MEDICAL MISSION



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SALVANDO CORAZONES
MEDICAL MISSION

FIRST ROBOTIC MIDCAB IN PERU

A HISTORIC MILESTONE IN CARDIAC SURGERY

Salvando Corazones • Hospital Nacional Dos de Mayo

Lima, Peru | September 15, 2026

Saving Hearts Medical Mission Summary – Sept. 2026

Location:

“Dos de Mayo” National Hospital – Lima, Peru

Program Director:

Dr. Aldo Rafael - aldorafael@yahoo.es

Program Co- Director:

Dr. Julio Peralta Rodriguez - ccvjep@gmail.com

Coordinators:

Dr. Yuliana La Serna - yuli28set@hotmail.com

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Ms. Fabiola Roura - fabiola@pams.org

2026 Medical Mission Team:

We want to thank all the volunteers who worked very hard on this medical mission.

USA:

Cardiac Surgeon and Mission Director: Dr. Aldo E. Rafael

Cardiac surgeon: Dr. John de Graft-Johnson

Cardiothoracic Anesthesiologist: Dr. Daniel Courtney Gunn

Surgical Resident: Dr. Shruthi Nammalwar

Cardiovascular Operating Room Nurse: Samantha Lauren Ford

Perfusionist: Michael Avery Duncan

Nursing Student: Reyna Pardomo

Medical Robotics Specialist: Eduardo Antonio Ulfe

Medical Robotics Specialist: Peter Philip Carnegie

PERU:

Dr. Julio Peralta Rodríguez and the surgeons, anesthesiologists, perfusionists, operating room and ICU nurses, residents, and other staff of Dos de Mayo. Local and visiting professionals collaborated throughout the mission.



19th International Educational and Surgical Mission

Lima, Peru | September 14 – 19, 2026

EXECUTIVE SUMMARY

Salvando Corazones and Hospital Nacional Dos de Mayo **completed 12 cardiac operations for 12 patients according to the September surgical register.** Five operations were robot-assisted: an atrial septal defect closure with a bovine pericardial patch and four coronary revascularization procedures. Seven were conventional procedures: three CABG operations, two mechanical aortic valve replacements, and two mechanical mitral valve replacements. One mitral procedure included tricuspid repair.

The first robotic-assisted MIDCAB reported in Peru extended the ongoing cardiac surgery program at Dos de Mayo. The 12 documented operations reflect collaboration between the Peruvian and visiting teams, under local leadership by Dr. Julio Peralta and mission leadership by Dr. Rafael.

INTERNATIONAL AND LOCAL TEAM

Cardiac surgery, anesthesia, perfusion, nursing, residents, and robotics specialists worked together in case review, operating room care, and education. This mission continued the hospital's existing robotic program and the robotic cardiac procedures reported during the May 2026 Salvando Corazones mission.

CLINICAL IMPACT

Patients came from Lima, Huaral, Arequipa, Piura, Ucayali, and Cusco. One patient undergoing robot-assisted coronary revascularization had a recorded LVEF of 21%. All 12 operations were successful, with zero mortality during the mission. Procedure-specific details follow in the case pages.



HISTORIC ROBOTIC CARDIAC SURGERY MILESTONE

We recorded four robot-assisted coronary revascularization operations. Three involved LIMA-to-LAD grafting, and one combined LIMA-to-LAD with a saphenous vein graft to the right coronary artery. Together with a robotic ASD closure, these made up five robot-assisted cases. The mission included the first reported robotic-assisted MIDCAB in Peru.

The local team had been conducting robotic cardiac surgery before this mission. In May 2026, the mission reported robotic left atrial mass excision and ASD closure. In September, Dos de Mayo and Salvando Corazones expanded that work to coronary revascularization and continued training residents and nurses through lectures and models. Dr. DeGraft-Johnson, Director and Chairman of Cardiovascular and Thoracic Surgery at Doctors Medical Center in Modesto, California, brought valuable expertise as the team expanded its experience in robotic cardiac surgery. Dr. Nammalwar, a resident in the cardiac surgery program at Cedars-Sinai Medical Center with experience in robotic cardiac surgery, participated in the mission's clinical and educational activities.

EDUCATION AND CAPACITY BUILDING

Operating room teaching, lectures, model-based practice, and multidisciplinary discussion addressed robotic workflow, bedside assistance, surgical judgment, and perioperative care. The goal is sustained local clinical capability and continuing care after each visiting mission.



MEDICAL DONATIONS AND PROGRAM DEVELOPMENT

We assembled equipment and supplies to support cardiovascular surgery at Dos de Mayo. The planning list included stabilizers, endoscopic vein-harvesting equipment, retractors, arms, cannulas, and surgical supplies. Attach a reconciled donation inventory, delivery record, and grant expenditure statement when available; planned items are not presented here as confirmed donations.

MISSION IMPACT

- Twelve (12) operations documented in the September surgical register.
- Five (5) robot-assisted operations, including four coronary procedures.
- First reported robotic-assisted MIDCAB in Peru.
- Seven (7) conventional CABG and valve operations.
- Education for residents and nurses with lectures and models.
- Ongoing partnership between Hospital Nacional Dos de Mayo and Salvando Corazones.

ACKNOWLEDGMENTS

We thank the patients and their families; Dr. Julio Peralta and the entire Hospital Nacional Dos de Mayo team; The Thoracic Surgery Foundation and the Society of Thoracic Surgeons; Baylor Scott & White Health; and every visiting professional, supporter, and donor. This milestone reflects sustained local leadership and the full team's shared work.

LOOKING FORWARD

Salvando Corazones will continue to support the Dos de Mayo cardiac surgery program through collaboration, education, surgical care, and follow-up. The 19th mission completed 12 successful operations with zero mortality. The teams will continue case review, follow-up, and education to sustain the program.



REPORT ON CARE FOR PATIENTS EVALUATED FOR CARDIOVASCULAR SURGERY

Cardiovascular Evaluation and Treatment Mission

During the 19th mission, the team treated 12 patients with coronary artery disease, aortic or mitral valve disease, tricuspid insufficiency, or atrial septal defect. The case summaries include each patient's age, sex, recorded origin, diagnosis, and procedure, without medical record numbers. All 12 procedures were completed successfully, and no deaths occurred during the mission.

Six patients were recorded as coming from Lima, but their province was not specified. One patient came from Huaral, which is in Lima Department. The remaining patients came from Arequipa (2), Piura (1), Ucayali (1), and Cusco (1). Because the six Lima entries do not identify a province, they cannot be further classified as Metropolitan Lima or other parts of Lima Department.

CASE 1: Hurtado Valenzuela, Luzmila

Date of Surgery: 09/14/2026

Age: 69 years

Gender: Female

Place of Birth: Lima

Diagnosis

Atrial septal defect (ostium secundum, 11.2 mm); NYHA class III symptoms; LVEF 60%.

Procedure Performed:

Robot-assisted atrial septal defect closure using a bovine pericardial patch.



CASE 2: Mamani Chambi, Carlos

Date of Surgery: 09/14/2026

Age: 49 years

Gender: Male

Place of Birth: Arequipa

Diagnosis

Multivessel coronary disease with hypertension and diabetes; LVEF 56%.

Procedure Performed:

CABG ×2 via median sternotomy: LIMA to mid LAD and an SVG to the Obtuse marginal.



CASE 3: Chumpitaz Sarmiento, Alejandro

Date of Surgery: 09/15/2026

Age: 58 years

Gender: Female

Place of Birth: Lima

Diagnosis

Severe proximal LAD disease; diabetes; LVEF 48%.

Procedure Performed:

Robot-assisted LIMA to proximal LAD coronary revascularization.



CASE 4: Carrasco Vergaray, Celso

Date of Surgery: 09/15/2026

Age: 76 years

Gender: Male

Place of Birth: Huaral

Diagnosis:

Severe aortic regurgitation with aortic stenosis; LVEF 48%.

Procedure Performed:

Mini-upper sternotomy AVR with mechanical valve, Medtronic #23 mm



CASE 5: Alvarado N, Jose

Date of Surgery: 09/16/2026

Age: 65 years

Gender: Male

Place of Birth: Lima

Diagnosis

Severe LAD and RCA disease; LVEF 21%.

Procedure Performed:

Robot-Assisted Harvesting of LIMA with LIMA to the proximal LAD and SVG to the proximal RCA via full sternotomy.



CASE 6: Chiroque Adanaque, Luis Gustavo

Date of Surgery: 09/16/2026

Age: 37 years

Gender: Male

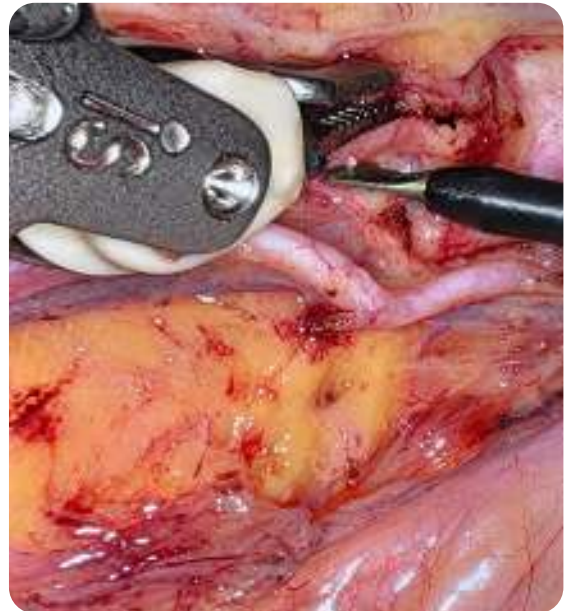
Place of Birth: Piura

Diagnosis

Three-vessel coronary disease and in-stent restenosis; LVEF 42%.

Procedure Performed:

CABG ×3 via median sternotomy: LIMA to proximal OM, SVG to LAD, and SVG to proximal RCA.



CASE 7: Rengifo Sinti, Delfia

Date of Surgery: 09/17/2026

Age: 58 years

Gender: Female

Place of Birth: Lima

Diagnosis

Severe proximal LAD and first diagonal disease; LVEF 55%.

Procedure Performed:

Robot-assisted LIMA-to-proximal LAD coronary revascularization.



CASE 8: Yllatopa Peña, Ciro

Date of Surgery: 09/17/2026

Age: 61 years

Gender: Male

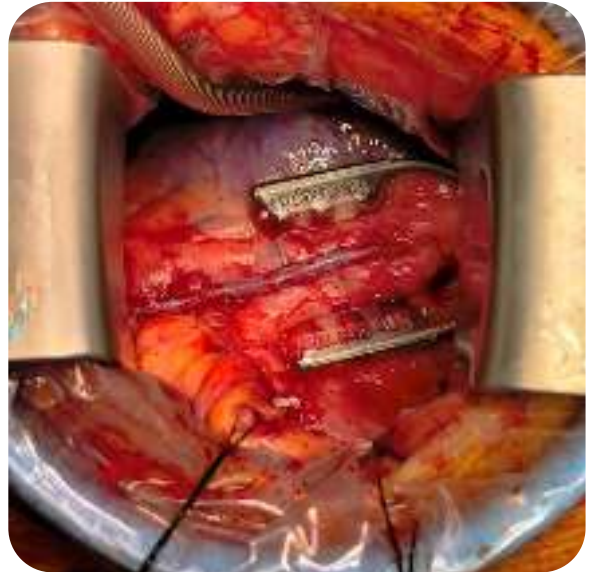
Place of Birth: Ucayali

Diagnosis

Critical calcific aortic stenosis (AVA 0.38 cm²); LVEF 59%.

Procedure Performed:

Mini-upper sternotomy AVR with mechanical valve, GKS #23 mm



CASE 9: Butron Del Carpio, Juan Guillermo

Date of Surgery: 09/18/2026

Age: 71 years

Gender: Male

Place of Birth: Arequipa

Diagnosis

Severe LAD and circumflex disease; LVEF 52%.

Procedure Performed:

Robot-assisted LIMA-to-mid LAD coronary revascularization.



CASE 10: Vargas Huaranga, Luis Alberto

Date of Surgery: 09/18/2026

Age: 58 years

Gender: Male

Place of Birth: Lima

Diagnosis

Severe mitral and tricuspid regurgitation; LVEF 66%.

Procedure Performed:

Mechanical mitral valve replacement with a 29 mm GKS mechanical prosthesis, subvalvular preservation, and De Vega tricuspid annuloplasty.



CASE 11: Pastor Reto Maria, Julia

Date of Surgery: 09/19/2026

Age: 75 years

Gender: Female

Place of Birth: Lima

Diagnosis:

Severe distal left main and ostial RCA disease; LVEF 40%.

Procedure Performed:

Off-pump CABG ×1, LIMA to mid LAD, with cardiopulmonary bypass on standby.



CASE 12: Castro Navarro, Gabriel

Date of Surgery: 09/19/2026

Age: 64 years

Gender: Male

Place of Birth: Cusco

Diagnosis:

Severe rheumatic mitral stenosis with mild regurgitation and left atrial appendage thrombus; LVEF 43%.

Procedure Performed:

Mechanical mitral valve replacement with a 31 mm GKS prosthesis via median sternotomy.



CLINICAL SUMMARY AND NEXT STEPS

The surgical register documents 12 operations: one robotic ASD closure, four robot-assisted coronary revascularization procedures, three conventional CABG operations, two mechanical aortic valve replacements, and two mechanical mitral valve replacements. One mitral operation also involved tricuspid annuloplasty. These totals reconcile to the 12 case pages above.

All 12 operations were successful, and the mission had zero mortality.



MEDICAL EDUCATION AND ACADEMIC CAPACITY BUILDING

Residents and nurses attended lectures and model-based training in robotic cardiac surgery, complemented by case discussions and operating room participation. Dr. Shruthi Nammalwar, a resident in the cardiac surgery program at Cedars-Sinai Medical Center, brought experience in robotic cardiac surgery. The mission built on the established robotic program at Dos de Mayo and the Salvando Corazones work completed in May 2026. Future reports can document the number of learners, session titles, faculty, and evaluations. This report does not assign numbers or academic credits that were not supplied.



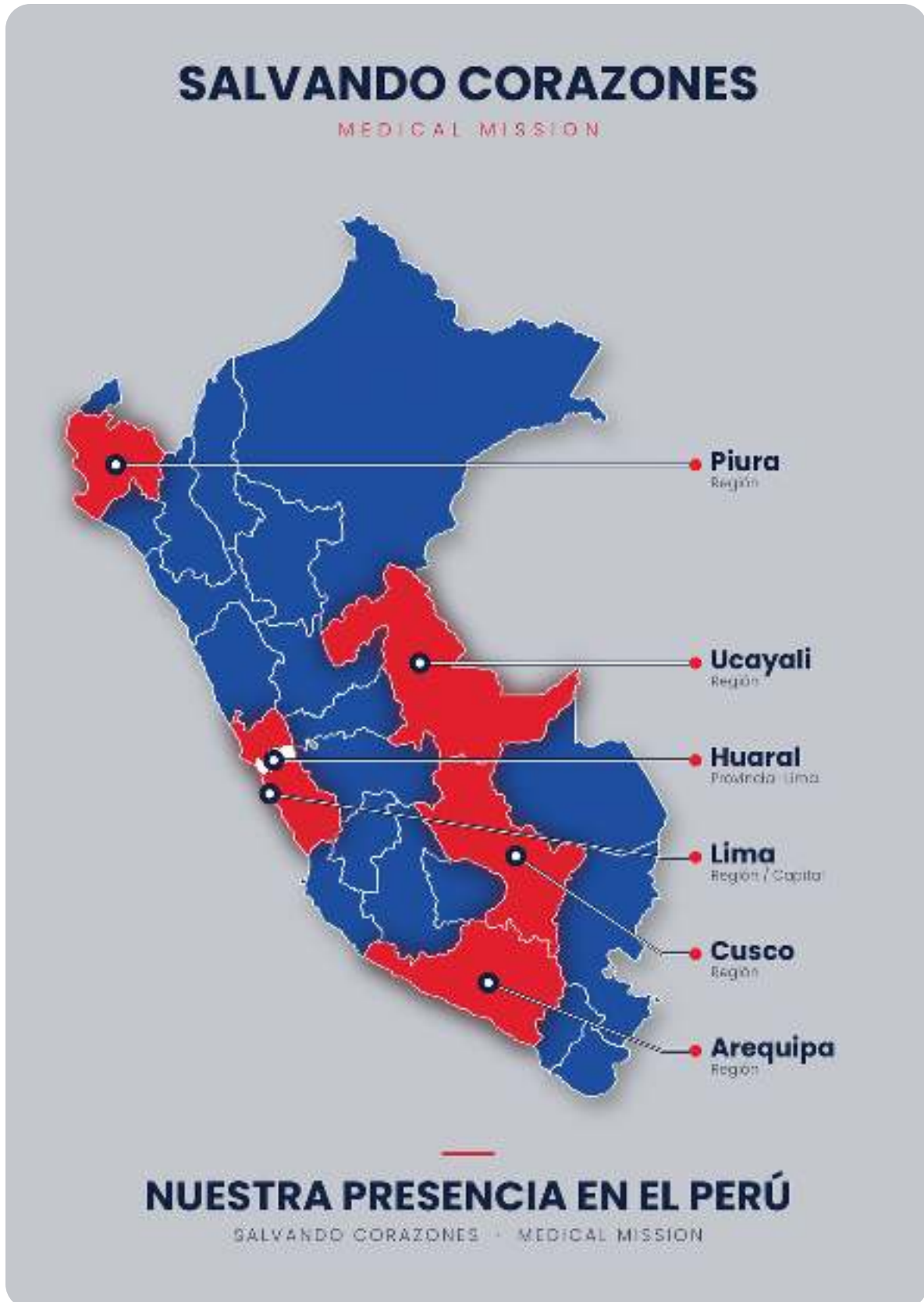
PREVIOUS AND NEW MEDICAL MISSION ACHIEVEMENTS

- 2013 — Early minimally invasive valve and complex aortic surgery milestones at Dos de Mayo recorded in previous reports.
- 2015 — First reported right-minithoracotomy minimally invasive AVR and MVR in Peru by Drs. Rafael and Peralta.
- 2018 — Hands-on transplantation and LVAD course; TSF international outreach recognition.
- 2022 — First AtriClip left atrial appendage closure at Dos de Mayo.
- 2023 — First VA-ECMO implantation and first TAVR at Dos de Mayo.
- 2024 — Surgical critical care fundamentals course with Salvando Corazones and the Society of Critical Care Medicine.
- September 2025, 17th mission — Participation in Dos de Mayo's first heart transplant.
- May 2026, 18th mission — First two robotic cases reported during a Salvando Corazones mission at Dos de Mayo.
- September 2026, 19th mission — First reported robotic-assisted MIDCAB in Peru; five robot-assisted cases and 12 total operations in the supplied surgical register.



GEOGRAPHIC ORIGIN OF PATIENTS

The map is a reusable reference showing Peru's departments. The September 2026 register records Arequipa 2, Cusco 1, Piura 1, Ucayali 1, Huaral in Lima department 1, and Lima of unspecified province 6.



ACKNOWLEDGMENTS AND CONTINUING COLLABORATION

We are grateful to the patients and families who trusted the team, Dr. Julio Peralta, and every colleague at Hospital Nacional Dos de Mayo, the Thoracic Surgery Foundation, the Society of Thoracic Surgeons, Baylor Scott & White Health, Salvando Corazones volunteers, and all mission supporters. The visiting and local cardiac surgeons, residents, anesthesiologists, perfusionists, nurses, and technical specialists worked together in patient care and education. Dr. John DeGraft-Johnson contributed as a cardiac surgeon, supporting the team's continued development in robotic cardiac surgery. Dr. Shruthi Nammalwar brought her experience as a cardiac surgery resident from Cedars-Sinai Medical Center. The mission reflects the shared work of the entire Dos de Mayo and Salvando Corazones teams.

Dr. Rafael's preparation benefited from mentorship and observation with Dr. Ricardo Terra and Dr. Rodrigo Ribeiro in Brazil, Dr. Evelio Rodriguez in Nashville, and Dr. Justin Shaffer in Plano. The central achievement of the September mission remains the shared patient care, the established institutional capacity, and the work of the entire Dos de Mayo and Salvando Corazones teams.





**THANK YOU
FOR BELIEVING
IN US.**

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