SOMECI —Latam

HFadvanced CARDIOVASCULAR ACADEMY

ENDORSED BY The International Society for Heart & Lung Transplantation

DIPLOMA PROGRAM 2027 / SECOND EDITION

Advanced Heart Failure Management

START DATE

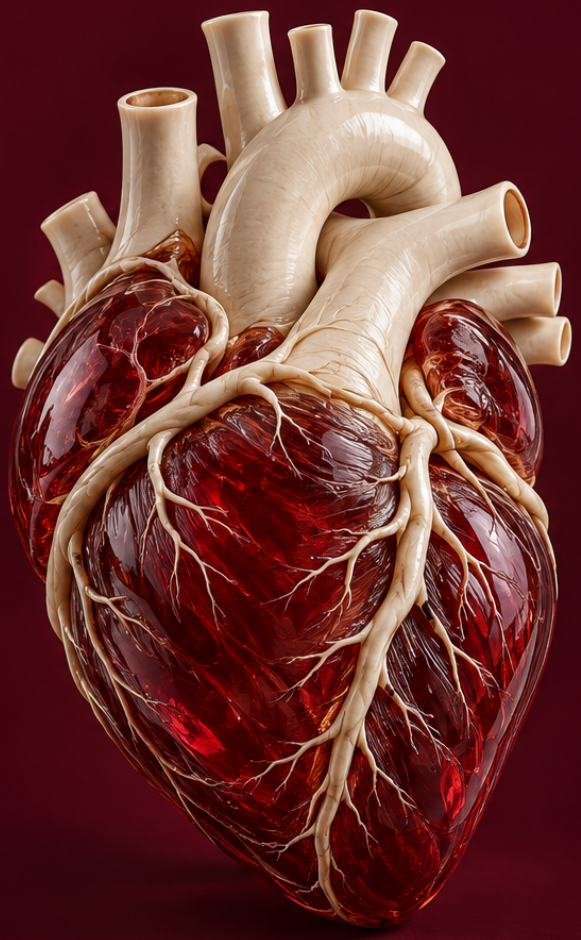
15 February 2027

INCLUDED WITH ENROLLMENT

3 textbook eBooks

At no additional cost

Volumes I, II and III



100% online · Taught in Spanish

Recorded classes and live activities

120	HOURS	9	MODULES	50	LESSONS

ACADEMIC PROGRAM

Overview and objectives

The Advanced Heart Failure Management Program provides comprehensive training in the care of patients with advanced heart failure, from identification, risk stratification, and medical treatment to mechanical circulatory support, durable ventricular assist devices, heart transplantation, and palliative care.

Through nine modules and interactive activities, the program aims to strengthen clinical reasoning, hemodynamic interpretation, complex decision-making, and multidisciplinary teamwork in highly complex clinical settings.

Intended audience

Cardiologists, intensivists, cardiovascular surgeons, cardiovascular anesthesiologists, and all health professionals who work or intend to work in heart failure or mechanical circulatory support.

Brochure contents

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Institutional endorsement for the 2027 edition

Endorsed by the International Society for Heart and Lung Transplantation.

ISHLT endorsement does not constitute accreditation, CME approval, certification, or independent validation of the diploma or faculty credentials.

The endorsement applies to the educational program. The organizers and authors are responsible for the content, presentations and opinions expressed by the speakers.

ADVANCED CLINICAL EDUCATION

Program objectives

01

Understand the clinical foundations of advanced heart failure, its classification, risk stratification tools, and selection criteria for definitive therapies: heart transplantation, durable ventricular assist devices, or palliative care.

02

Optimize pharmacological and hemodynamic management in patients with advanced disease, with an emphasis on the rational use of inotropes, neurohormonal therapies, and diuretics.

03

Integrate the principles of temporary circulatory support and vasoactive management in critical care as a bridge to ventricular assist devices or heart transplantation.

04

Master the clinical and technological foundations of durable ventricular assist devices, including patient selection, perioperative management, and early follow-up.

05

Understand the complete heart transplantation process, from candidate evaluation to immunosuppression and initial postoperative follow-up.

06

Strengthen decision-making and teamwork skills through advanced clinical simulation, addressing critical and complex scenarios in advanced heart failure.

MODULE 1

Fundamentals of advanced heart failure

Academic period March 1-7, 2027.

Learning objectives

- Define and classify advanced heart failure using clinical and functional criteria.
- Identify key tools for prognostic assessment and severity stratification.
- Recognize the appropriate time to consider advanced treatment strategies.

Lessons

01 Definition, identification and classification of advanced heart failure

Analyze the diagnostic criteria for advanced heart failure based on the latest European Society of Cardiology (ESC) consensus.

02 Advanced heart failure assessment and risk scores

Analyze the main risk prediction scores used to assess patients with advanced heart failure, including the Seattle Score, MAGGIC Score and MECKI Score, among others, and their clinical applicability.

Content: echocardiographic and hemodynamic criteria.

03 When to consider advanced therapies in patients with heart failure

Determine when to propose durable left ventricular assist device (LVAD) therapy as a bridge to transplantation or as destination therapy.

04 Psychosocial assessment of candidates for advanced therapies

Identify psychological criteria for assessing transplant waiting-list candidates.

MODULE 2

Medical management of advanced heart failure

Academic period March 8-14, 2027.

Learning objectives

- Implement strategies to optimize medical treatment in advanced heart failure.
- Identify effective approaches to congestion and perfusion management in patients with reduced cardiac output.
- Analyze the impact and application of neurohormonal therapy in disease management.

Lessons

05 Management of refractory congestion in INTERMACS profile 4 patients

Analyze protocols for effective decongestion, including evidence from the CARRESS-HF and SMART trials.

Understand sequential and total nephron blockade approaches to refractory congestion.

06 Inotropic support in patients with low cardiac output and INTERMACS profile 3

Analyze the inotropes most commonly used in advanced heart failure and their effects on hemodynamic stability.

07 The role of neurohormonal therapy in heart failure

Determine the limits of optimization and upward titration of neurohormonal therapy in patients with advanced heart failure.

08 The role of nursing in the heart failure day clinic

Understand the role of telemonitoring during the vulnerable period after hospital discharge in patients with heart failure.

Simulation activity

Workshop 1 with the SOMECI LATAM simulator on Friday, March 12, at 8:00 p.m. Principles of hemodynamics.

MODULE 3

Interventional treatment in advanced heart failure

Academic period March 15-21, 2027.

Learning objectives

- Evaluate the role of interventional procedures in heart failure treatment.
- Analyze the utility of procedures such as MitraClip and myocardial revascularization.
- Determine the role of right heart catheterization in advanced assessment.

Lessons

09 MitraClip in heart failure management and evidence from the COAPT trial

Identify clinical and technical criteria for MitraClip implantation, as well as its contraindications.

10 Myocardial revascularization in advanced heart failure

Analyze the impact of revascularization on mortality and hospitalization in patients with advanced heart failure based on evidence from the STICH and REVIVED trials.

Content: benefits and limitations.

11 Heart failure in aortic valve disease and the limits of TAVI

Evaluate the indications, benefits and limitations of TAVI in patients with heart failure.

12 Right heart catheterization in advanced heart failure

Identify normal values and the main hemodynamic indices used in right heart catheterization.

13 The role of cardiac rehabilitation in heart failure

Analyze the importance of cardiac rehabilitation in improving functional capacity and quality of life in advanced heart failure.

MODULE 4

The electrophysiologist's role in advanced heart failure

Academic period March 22-28, 2027.

Learning objectives

- Analyze the impact of cardiac resynchronization therapy on advanced heart failure management.
- Evaluate the efficacy of atrial fibrillation ablation and arrhythmogenic substrate modification in the treatment of ventricular tachycardia.

Lessons

14 Cardiac resynchronization therapy and its clinical utility

Understand the indications and contraindications for cardiac resynchronization therapy, as well as the technical and clinical considerations.

15 Atrial fibrillation ablation in advanced heart failure

Understand the indications and contraindications for atrial fibrillation (AF) ablation in advanced heart failure, as well as key technical and clinical considerations for its application.

16 Arrhythmogenic substrate modification in ventricular tachycardia

Understand the indications and contraindications for arrhythmogenic substrate modification in ventricular tachycardia, as well as essential technical and clinical considerations during the procedure.

17 Frailty assessment in candidates for advanced therapies

Understand the different frailty assessments and their sensitivity and specificity in patients with cardiovascular disease.

MODULE 5

Deterioration along the heart failure trajectory

Academic period March 29-April 4, 2027.

Learning objectives

- Identify effective strategies for managing clinical deterioration in advanced heart failure.
- Establish key criteria for medical optimization and the use of advanced support in heart failure treatment.
- Address and manage critical situations, such as electrical storm, in advanced heart failure.

Lessons

18 Managing deterioration in the patient with advanced heart failure

Following the heart failure trajectory. Achieve hemodynamic and ventilatory stabilization in patients with advanced heart failure while optimizing available resources.

19 Electrical storm in advanced heart failure

Understand the clinical definition of electrical storm in advanced heart failure and strategies for its immediate management.

20 Mechanical ventilation in the deteriorating patient

Analyze the role of noninvasive mechanical ventilation in advanced heart failure, including PS-CPAP, CPAP and high-flow nasal cannula (HFNC).

MODULE 6

ICU admission and mechanical circulatory support

Patients with low cardiac output who require mechanical circulatory support

Academic period April 5-18, 2027.

Learning objectives

- Apply mechanical circulatory support strategies in refractory cardiogenic shock to optimize perfusion and hemodynamic stability.
- Distinguish the characteristics, indications and limitations of different support devices: intra-aortic balloon pump (IABP), CentriMag and venoarterial ECMO.
- Evaluate clinical criteria for selecting the most appropriate device and plan transitions between support systems according to the patient's clinical course.

Lessons

21 Use of the intra-aortic balloon pump IABP

Understand how the intra-aortic balloon pump works, including console interpretation and correct insertion technique.

Understand IABP indications, contraindications, monitoring strategies and weaning criteria in patients with advanced heart failure.

22 Use of CentriMag in advanced heart failure

Understand how the CentriMag system works, including the console display and key monitoring variables.

23 VA ECMO in the INTERMACS profile 1 patient

Patients in shock with profound circulatory failure. Recognize patients in INTERMACS profiles 1 and 2 who require immediate restoration of perfusion to prevent multiorgan deterioration.

MODULE 6 CONTINUED

ICU admission and mechanical circulatory support

Lessons

24 Left ventricular assist device LVAD after bridging with ECMO

Understand the clinical and functional criteria for reassessing and relisting patients on mechanical support for heart transplantation.

25 Biventricular support in the critically ill patient

Strategies and decisions. Identify clinical indications for right ventricular assist device (RVAD) support in advanced heart failure or severe right ventricular dysfunction.

26 ECMO circuit monitoring and emergency management

Perform comprehensive, systematic ECMO circuit monitoring in the daily care of critically ill patients.

Recognize the main mechanical, hemodynamic and blood gas emergencies that may occur during extracorporeal support.

Apply systematic strategies for the safe and timely resolution of circuit adverse events, prioritizing patient stability and system integrity.

Implement response algorithms for oxygenator, pump or cannulation failure in accordance with international ELSO guidelines and recommendations.

Simulation activity

Workshop 2 with the SOMECI LATAM simulator on Friday, April 16, at 8:00 p.m. Venoarterial ECMO.

MODULE 7

Heart transplantation

Academic period April 19-May 2, 2027.

Learning objectives

- Analyze the full logistics of heart transplantation, from donor selection to graft allocation.
- Recognize key aspects of heart transplant surgery and postoperative management, with emphasis on early rehabilitation.
- Identify and manage critical postoperative complications, such as immune rejection and primary graft dysfunction, using advanced monitoring and treatment strategies.

Lessons

27 History of heart transplantation

Identify key historical milestones in the development of heart transplantation, from the earliest attempts to the most recent advances.

28 Databases and waiting-list organization

Waiting lists and recipient selection criteria. Understand the functioning and structure of key organizations involved in heart transplantation, such as UNOS (United Network for Organ Sharing) and ISHLT (International Society for Heart and Lung Transplantation), and their impact on clinical practice.

29 Donor assessment, organ procurement and traceability

Describe current heart donor assessment criteria, including donation after brain death (DBD) and controlled donation after circulatory death (DCD), to support appropriate organ selection and optimization.

Review cardiac procurement and preservation strategies, comparing conventional cold transport with ex vivo preservation systems, including their indications and outcomes.

Recognize key elements of heart transplant traceability and logistics to ensure safety, quality and continuity throughout the process from donor to recipient.

MODULE 7 CONTINUED

Heart transplantation

Lessons

30 Surgical and perioperative factors in heart transplantation

Surgical and perioperative factors influencing early heart transplant outcomes. Perioperative complications and the effects of ischemia and surgical technique according to ISHLT.

31 Heart transplantation in a hostile surgical field

Surgical strategies in complex reoperative patients. Identify the specific challenges presented by patients with previous cardiac surgery at the time of transplantation, including adhesions, anatomical distortion and bleeding risk.

32 Postoperative management after heart transplantation

Understand hemodynamic and ventilatory monitoring strategies in patients after heart transplantation.

33 Transplant immunology and principles of allosensitization

Speaker: Dr. Renzo Paolo García Márquez.

Understand the immunological basis of transplant rejection. Analyze the cellular and humoral mechanisms involved in recognizing the graft as foreign, including types of rejection (hyperacute, acute and chronic) and HLA antigens.

34 Induction and maintenance therapy in heart transplantation

Identify clinical situations in which induction therapy is indicated in heart transplantation, along with the risks and benefits associated with its use.

35 Post-transplant complications

Rejection, primary graft dysfunction and other complications. Understand the pathophysiology, diagnosis and management of cellular and humoral rejection in heart transplantation.

36 Cardiac rehabilitation in heart transplant recipients

Recognize the fundamental role of the occupational therapist in functional recovery and adaptation to activities of daily living after transplantation.

MODULE 8

Durable left ventricular assist device LVAD support

Academic period May 3-16, 2027.

Learning objectives

- Understand the biotechnology and bioenergetic principles underlying durable ventricular assist devices.
- Evaluate the clinical indications for LVAD implantation and key aspects of postoperative management.
- Identify and manage the most common complications of prolonged ventricular support, including thromboembolic events, infection and device dysfunction.

Lessons

37 LVAD biotechnology and bioenergetics

Understand the operating principles of fully magnetically levitated centrifugal pumps, including their design and energy efficiency.

Interpret the H-Q curve (the relationship between flow and pressure) and its relationship to power consumption, as well as its clinical implications in different hemodynamic scenarios.

38 Surgery and surgical factors influencing LVAD implantation

Understand the fundamental role of the cardiovascular surgeon in candidate selection, planning and implantation of durable left ventricular assist devices (LVADs).

39 Anesthesia and hemodynamic optimization in patients with an LVAD

Understand key aspects of preanesthetic assessment in patients with an LVAD, as well as the role of advanced monitoring during surgery.

40 Immediate postoperative management in patients with an LVAD

Apply hemodynamic and ventilatory management strategies specific to patients with an LVAD in the immediate postoperative period.

MODULE 8 CONTINUED

Durable left ventricular assist device LVAD support

Lessons

41 Right ventricular failure in patients with an LVAD

Understand right ventricular physiology and ventricular interdependence in the setting of LVAD support.

42 Infections in patients with an LVAD

Understand the definition and classification of LVAD-related and non-LVAD-related infections, highlighting the main infectious complications in these patients.

43 Management and follow-up of patients with an LVAD

Understand outpatient clinical monitoring strategies for patients with an LVAD, including regular assessment of device function and the patient's overall condition.

44 Myocardial recovery in patients with an LVAD from a clinical perspective

Understand the pathophysiology of myocardial remodeling and the differences between myocardial remission and recovery in patients with an LVAD.

45 Myocardial recovery in patients with an LVAD from a surgical perspective

Analyze surgical and clinical criteria for selecting patients with potential for myocardial recovery. Identify preoperative and postoperative factors that predict possible functional myocardial recovery in patients with a left ventricular assist device (LVAD).

46 The role of nursing in LVAD patient coordination

Understand the fundamental role of the LVAD coordinator in preimplantation patient care, including initial assessment, education and preparation for the procedure.

Simulation activity

Workshops 3 and 4 with the SOMECI LATAM simulator on Fridays, May 7 and 14, at 8:00 p.m. Left and right ventricular support.

MODULE 9

Palliative care and ethics in advanced heart failure

Academic period May 17-23, 2027.

Learning objectives

- Identify palliative management strategies in end-stage heart failure, focusing on symptom relief, pain control and improved quality of life.
- Address ethical aspects of withdrawing mechanical circulatory support, including respect for patient autonomy, family consensus and appropriate clinical decisions.
- Integrate a multidisciplinary approach to advanced heart failure care, promoting collaboration among physicians, nurses, psychologists, social workers and other professionals in decision-making and comprehensive patient management.

Lessons

47 Palliative management in advanced heart failure

Recognize when not to escalate advanced support, considering the clinical, prognostic and quality-of-life factors that guide decisions not to continue invasive treatments.

48 Ethics in mechanical circulatory support

Understand the ethical dilemmas involved in decisions about treatment escalation or palliation in patients receiving mechanical circulatory support (MCS), weighing life prolongation against quality of life.

49 Comprehensive care of patients receiving mechanical circulatory support

Understand the role of physical rehabilitation in the comprehensive care of patients receiving mechanical circulatory support (MCS), focusing on improvements in mobility, strength and quality of life.

50 Understanding death and the role of psychology in palliative care decisions

Understand the role of psychology at the end of life, focusing on the emotional and psychological care of patients with chronic heart failure in its terminal stages and within the natural history of the disease.

Simulation activity

Workshop 5 with the SOMECI LATAM simulator on Friday, May 21, at 8:00 p.m. Integrated mechanical circulatory support workshop.

SIMULATION PROGRAM

Workshops with the SOMECI LATAM simulator

The five workshops use the SOMECI LATAM Cardiovascular Atlas and Simulator. These live, interactive sessions take place on Fridays at 8:00 p.m. and recordings remain available afterward.

Atlas & Simulador AVANZADO

Workshop 1 Introduction to the SOMECI LATAM simulator and principles of hemodynamics

Date Friday, March 12, 2027, 8:00 p.m. (Peru).

- Integrate the principles of preload, afterload, contractility and cardiac output when interpreting hemodynamic profiles.
- Analyze the effects of interventions on key hemodynamic variables in patients with advanced heart failure.
- Correlate hemodynamic findings with clinical assessment and risk stratification in candidates for advanced therapies.

Workshop 2 Venoarterial ECMO VA

Date Friday, April 16, 2027, 8:00 p.m. (Peru).

- Identify clinical and hemodynamic criteria for initiating venoarterial ECMO in refractory cardiogenic shock.
- Analyze the effects of VA ECMO on systemic perfusion, ventricular afterload and ventricular-arterial interaction.
- Recognize pathophysiological complications associated with VA support and their relevance to the clinical course.

SIMULATION PROGRAM CONTINUED

Workshops with the SOMECI LATAM simulator

Workshop 3 Left ventricular support LVAD and Impella

Date Friday, May 7, 2027, 8:00 p.m. (Peru).

- Understand the physiological principles of LVAD support and its interaction with native ventricular function.
- Develop clinical decision-making skills in simulated critical situations.

Workshop 4 Right ventricular support RVAD

Date Friday, May 14, 2027, 8:00 p.m. (Peru).

- Identify characteristic hemodynamic findings of right ventricular dysfunction across clinical scenarios.
- Analyze the impact of pharmacological and mechanical support on pulmonary circulation and cardiac output.
- Understand ventricular interdependence and its importance in patients receiving mechanical circulatory support.

Workshop 5 Integrated mechanical circulatory support workshop

Date Friday, May 21, 2027, 8:00 p.m. (Peru).

Devices covered: IABP, ECMO, Impella and LVAD.

- Integrate clinical, hemodynamic and longitudinal criteria to select temporary mechanical circulatory support strategies.
- Analyze escalation and transition scenarios involving devices such as IABP, ECMO and ventricular assist devices.
- Strengthen complex clinical decision-making in the management of patients with advanced heart failure.

DIPLOMA PROGRAM TUTORS

Academic guidance



Dra. Isabel Cristina Cárdenas Moreno

Cardiologist, Universidad El Bosque, Colombia. Heart failure specialist. PCHF, University of Zurich.

Master's degree in Pulmonary Hypertension, Universidad Francisco de Vitoria.

Former SCC Vice President, 2024-2026. President of the SCC Chapter of Heart Failure, Pulmonary Hypertension and Heart Transplantation, 2026-2028.

Hospital Universitario San Rafael.



Dra. Paola Alejandra Morejón Barragán

Cardiologist and subspecialist in advanced heart failure, heart transplantation, mechanical circulatory support and cardiovascular critical care, with training at Fundación Favaloro in Buenos Aires.

Past Chair of ISHLT en Español. She has contributed to establishing and strengthening the heart transplantation and advanced cardiovascular therapies program in Ecuador.

Professional education, international lectures, scientific work and initiatives to strengthen cardiovascular medicine in Latin America.

SECOND EDITION 2027

Our faculty



Dra. Isabel Cristina Cárdenas Moreno



Dra. Adriana Torres Navas



Dra. María Juliana Rodríguez



Lic. Fabián Enrique Abril Luna



Dra. Catalina Gallego Muñoz



Lic. Rosalynn Denisse Bazán Gallardo



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Lic. Karen Tatiana Cepeda Flórez



Lic. Cristhian Emigdio López Pacheco

SECOND EDITION 2027

Our faculty



Dra. Paola Alejandra Morejón Barragán



Dr. Jiovany Jhan Carlos Saldaña Gastulo



Dr. Christian Inocente Soplopuco Palacios



Dra. Valentina Pinzón Martínez



Dr. Gabriel Iván Sánchez Fonseca



Dra. Julie Pauline Lasso Perdomo



Dr. Guillermo Parodi



Dra. Mónica Delia Gilbert Oros



Dr. Renzo Paolo García Márquez

SECOND EDITION 2027

Our faculty



Dr. Leonardo Adrián Seoane



Lic. Anyi Marcela Barrera Amaris



Dr. Franz Soplopuco Palacios



Dr. Jaime Hernández-Montfort



Dr. Luis Eduardo Echeverría



Dra. Lorena Montes Villalobos



Dra. Clara Inés Saldarriaga Giraldo



Lic. Sandra Ximena Hernández Cristancho

SUPPLEMENTARY MATERIAL 1

Academic calendar 2027

Teaching period February 15 to May 23, 2027. The schedule of activities and assessments extends through May 24.

Certified workload 120 teaching hours over four months.

Weekly learning schedule

Week	2027 period	Block
1	February 15-21	PRE
2	February 22-28	PRE
3	March 1-7	Module 1
4	March 8-14	Module 2
5	March 15-21	Module 3
6	March 22-28	Module 4
7	March 29-April 4	Module 5
8	April 5-11	Module 6
9	April 12-18	Module 6
10	April 19-25	Module 7
11	April 26-May 2	Module 7
12	May 3-9	Module 8
13	May 10-16	Module 8
14	May 17-23	Module 9

Final review period and campus access

After the third examination, the campus will remain open for four additional weeks. During this period, participants may review recorded lectures, tutorials, and workshops before access closes.

Milestone	Date
Third examination	May 22, 2027
Third examination closes	May 24, 2027
Campus closes	June 21, 2027

ACADEMIC CALENDAR

Tutorial and workshop calendar

Schedule 8:00 p.m., Peru time (UTC-5). Tutorials on Thursdays and workshops on Fridays.

Live tutorials

Thursday in 2027	Module	Topic
March 4	Module 1	Foundations of advanced HF
March 11	Module 2	Medical management
March 18	Module 3	Interventional therapies
March 25	Module 4	Electrophysiology
April 1	Module 5	Clinical deterioration
April 8	Module 6 I	ICU and low cardiac output
April 15	Module 6 II	Circulatory support
April 22	Module 7 I	Heart transplantation
April 29	Module 7 II	Heart transplantation
May 6	Module 8 I	LVAD
May 13	Module 8 II	LVAD
May 20	Module 9	Palliative care and ethics

Tutorial format: case discussions, real-time questions, and faculty guidance. The recording will subsequently be posted on the campus.

Workshops with the SOMECI LATAM simulator

No.	Friday in 2027	Topic
1	March 12	Introduction to the SOMECI LATAM simulator and principles of hemodynamics
2	April 16	Venoarterial ECMO
3	May 7	Left ventricular support with LVAD and Impella
4	May 14	Right ventricular support with RVAD
5	May 21	Integrated mechanical circulatory support workshop

ACADEMIC CALENDAR

Assessment calendar

Assessments take place on the virtual campus after every three modules. Each test opens on a Saturday at 8:00 p.m. and closes the following Monday at 8:00 p.m., Peru time (UTC-5).

Assessment	Coverage	Opens in 2027	Closes in 2027
Test 1	Modules 1, 2, and 3	March 20	March 22
Test 2	Modules 4, 5, and 6	April 17	April 19
Test 3	Modules 7, 8, and 9	May 22	May 24

Conditions A 48-hour window and only one attempt per assessment.

Resit examination

Opens on Saturday, June 5, 2027, at 8:00 p.m. and closes on Monday, June 7, 2027, at 8:00 p.m. It becomes available two weeks after Test 3, with only one attempt.

Official channels

Schedule updates and access information will be communicated through the campus, the WhatsApp group, and email.

SUPPLEMENTARY MATERIAL 2

Official assessment guide

This guide establishes consistent, transparent, and verifiable rules for the three tests and the resit examination. It covers grading, participation procedures, incidents, and academic recovery.

General conditions Three tests, a 0-100 scale, a 48-hour window, and only one attempt.

Test calendar

Assessment	Coverage	Opens in 2027	Closes in 2027
Test 1	Modules 1, 2, and 3	March 20	March 22
Test 2	Modules 4, 5, and 6	April 17	April 19
Test 3	Modules 7, 8, and 9	May 22	May 24

Each assessment opens and closes at 8:00 p.m. (Peru time). The 48-hour window is the period available to start the assessment. Once the attempt has begun, participants must complete it within the time configured on the campus.

Before during and after the test

Before entering. Check your connection, battery, browser, login credentials, and time availability. Close unnecessary applications.

At the start. Confirm that you are accessing the scheduled test. Entering the test starts your only attempt.

During the test. Read each question, manage your time, and avoid refreshing or closing the window unnecessarily.

At the end. Submit your answers and verify the confirmation message. Keep evidence of submission.

Results. Review your grade when it is published. Direct any questions through the official channel.

Integrity. Do not share questions, screenshots, answers, or login credentials. The assessment must be completed individually.

Only one attempt: do not start the assessment until you are ready.

ASSESSMENT GUIDE

Grading and the resit examination

Grading and standard passing requirements

The arithmetic mean of the three tests is calculated as follows:

Average = (Test 1 + Test 2 + Test 3) / 3

Requirement	Criterion
Test average	Strictly greater than 70 points out of 100.
Tutorial attendance	At least 6 recorded tutorial attendances.
Workshop attendance	At least 2 recorded attendances at workshops with the SOMECI LATAM simulator.

To pass through the standard assessment route, all three requirements must be met simultaneously. A high grade does not compensate for failure to meet minimum attendance requirements.

Example. Test 1: 72; Test 2: 78; Test 3: 75. Average: 75. If both minimum attendance requirements are also met, the participant passes through the standard route.

Resit examination

Condition	Rule
Eligibility	Participants who did not achieve the required standard average.
Opens	Saturday, June 5, 2027, at 8:00 p.m., two weeks after Test 3.
Closes	Monday, June 7, 2027, at 8:00 p.m.
Attempts	One.
Minimum grade	70/100 or higher.
Certificate	One week after the examination, provided minimum attendance requirements are also met.

The resit examination provides another opportunity to meet the academic requirement. It does not replace or compensate for minimum attendance at tutorials or workshops.

ASSESSMENT GUIDE

Incidents and review

In the event of technical problems or justified queries, participants must follow this procedure and use the diploma program's official channels.

Failure before starting. Do not enter the attempt. Gather evidence and report the incident immediately.

Interruption during the test. Do not make additional attempts. Record the time, take a screenshot, and describe the event.

Campus problem. The team will check the technical logs and communicate the applicable action.

Question review. Submit a substantiated academic request identifying the test and question without sharing the question publicly.

Decision. The coordination team will assess the evidence and respond through an official channel.

Minimum evidence required in the report

- Full name.
- Date and time of the incident.
- Device and browser used.
- Precise description of the problem.
- Screenshot.

The report must be submitted while the assessment is open or immediately after the incident.

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SUPPLEMENTARY MATERIAL 3

Passing and certification requirements

Mandatory academic criteria for passing and obtaining certification in the Diploma Program in Advanced Heart Failure Management, second edition 2027.

Standard passing requirements

Mandatory requirement	Condition
Tutorial attendance	Record attendance at a minimum of six tutorials scheduled during the diploma program.
Workshop attendance	Record attendance at a minimum of two workshops with the SOMECI LATAM simulator scheduled during the diploma program.
Test average	The arithmetic mean of the three tests must be strictly greater than 70 points. Each assessment uses a scale of 0 to 100.

Calculating the final average

Average = (Test 1 + Test 2 + Test 3) / 3

Standard passing threshold: average > 70/100.

Passing requires both minimum attendance and the established academic average to be met simultaneously. All three requirements are mandatory.

Module release dates

Modules and their content will become available on the dates specified in the official academic calendar.

PASSING AND CERTIFICATION REQUIREMENTS

Academic recovery and certification

Resit examination

Participants who do not achieve the required standard average will have one opportunity to take a resit examination. A score of 70/100 or higher is required to pass it.

The resit examination will become available two weeks after Test 3. Access information will be published through the diploma program's official channels.

As stated in the assessment guide, the resit examination provides another opportunity to meet the academic requirement and does not replace or compensate for minimum attendance at tutorials or workshops.

Notification of changes

If a scheduled activity changes, participants will be notified promptly through all three official channels: the campus, the WhatsApp group, and email.

Certification schedule

The issue date depends on the assessment route through which the participant passes.

Milestone	Timing
Standard final assessment	Test 3.
Certificate through the standard route	One week after Test 3.
Resit examination opens	Two weeks after Test 3.
Passing through the resit examination	The certificate will be issued one week after the resit examination.

Certification requires the academic criteria and minimum attendance established in these requirements to be met.