

# c u r r i c u l u m v i t a e

LUCIANO BATTIONI, MD  
Cardiologist  
Heart failure, Heart transplant  
and MCS specialist  
Ultrasound specialist

## Biographical information.

**Current office:** 15rd street N 669. Postal code 6600.

Mercedes, Buenos Aires, Argentina

TEL +541166050506

Email [lucianobattioni@gmail.com](mailto:lucianobattioni@gmail.com)

## A. Education.

### 1.Degrees.

2015 Clinical Cardiology, Universidad de Buenos Aires, Ciudad Autónoma de Buenos Aires, Argentina.

2010 MD, Primary Care physician, Universidad Nacional de Rosario, Rosario, Argentina.

2007 Epidemiology Technician, Universidad Nacional de Rosario, Rosario, Argentina.

2006 Health Promotion Technician, Universidad Nacional de Rosario, Rosario, Argentina.

2003 BSc, La Salle-Jobson school, Santa Fe, Santa Fe, Argentina.

## **2.Fellowships**

2019-2020                      Cardiovascular ultrasound fellowship. Trinity hospital, Buenos Aires, Argentina. Supervisor: Dr Martin Lombardero

2016-2017                      Clinical Fellowship, Heart failure, heart transplantation and mechanical circulatory support. University of Toronto, Toronto General Hospital, Toronto, Ontario, Canada, Supervisor: Dr Michael McDonald.

## **3.Residency**

2015-2016                      Chief of Residents, Cardiology, Instituto Cardiovascular de Buenos Aires. Supervisor: Alberto Albes de Lima

2011-2015                      Cardiology Resident, Instituto Cardiovascular de Buenos Aires, Buenos Aires, Argentina.

## **4.Postgraduate Medical Courses**

2021                              Online Carotid doppler ultrasound. Argentinian Society of cardiology

2021                              JACC case reports mentoring program. Journal of American College of cardiologist. Director: Dr Julia Grapsa

2020                              SISIAC Heart failure and imaging course.

2019-2020                      Postgraduate course in cardiac sonography. Argentinian Association of Medicine. Buenos Aires, Argentina

2011-2015                      Universitarian Cardiologist, Instituto Cardiovascular de Buenos Aires joint with Universidad de Buenos Aires, Buenos Aires, Argentina.

## **5.Postgraduate Research and Data Analyst Courses**

2009                              Post graduate course in Epidemiology. Littoral national university. Santa Fe, Argentina

2004                              Course in research methodology, College of Physicians of Santa Fe, Santa Fe, Santa Fe, Argentina.

2018                              Online Spss level 2 course. CONICET, online learning Centre. Universidad Nacional de la Plata

2018                              Metanalysis and systematic reviews online course. IECS

2020                              Introduction to Coding with Python. EANTECH

2020                              Python Data Analytics. EANTECH

- 2020 Online R course. CONICET, online learning Centre. Universidad Nacional de la Plata
- 2021 Online Spss level 3 course. CONICET, online learning Centre. Universidad de la Plata
- 2021 Python intermediate level. Technological university. Buenos Aires, Argentina
- 2021 Machine learning, Technological university. Buenos Aires, Argentina.
- 2022 Neural networks, Technological university. Buenos Aires, Argentina.

## **6.Certifications and Licenses**

- 2019 Cardiac sonographer, Argentinian association of Medicine. Buenos Aires, Argentina
- 2019 GCP, NIDA clinical trials network
- 2017 Cardiologist, College of physicians of Buenos Aires. Buenos Aires, Argentina
- 2017 Heart transplant, heart failure and mechanical circulatory support specialist. University of Toronto. Toronto, On, Canada. Independent operator for heart biopsies and right heart catheterizations, vasoreactivity tests
- 2015 Cardiologist, National Ministry of Health, Argentina.
- 2010/2012/2014 ACLS provider.

## **7.Languages**

Spanish, Native language

English, expert level.

TOEFL 2020 certification (Reading 29, listening 30, speaking 26, writing 27)

German, Basic degree.

## **B. Employment.**

### **1.Current Appointment.**

- 2023 Postgraduate director "AI applied to health sciences". FCM, UNL
- 2022 CardioWest cardiac imaging manager. CardioWest board member.
- 2021 Professor assistant. Python programming and data analytics for medical students elective. Universidad nacional del Litoral. Santa Fe, Santa Fe, Argentina

2020 Member of the heart failure council. Argentinian Society of Cardiology.  
Buenos Aires, Argentina

## **2.Previous Appointments**

### **Hospital**

2021 -2022 Cardiologist Staff. Deutsche Hospital. Buenos Aires, Argentina

2017-2022 Hemodynamic cardiac monitoring in OR. Mater Dei Hospital. Ciudad Autónoma de Buenos Aires, Argentina

2021-2022 Echocardiography Staff at Deragopyan institute, Buenos Aires, Argentina

2019 -2021 Cardiology Staff, “Diagnostico Maipu”, Pilar, Buenos Aires, Argentina

2019-2021 Cardiovascular ultrasound fellowship. Holy Trinity hospital. Buenos Aires, Argentina

2020-2021 Cardiology admin at Medbinars.com

2018-2019 Critical Cardiological Care, Cardiovascular institute of Buenos Aires, Buenos Aires, Argentina

2018-2019 Heart failure, heart transplant and MCS Staff. Cardiovascular institute of Buenos Aires. Buenos Aires, Argentina

2017 - 2018 Coronary Care Unit Staff. Las Lomas de San Isidro Hospital. San Isidro, San Fernando, Buenos Aires State

2016-2017 Clinical Fellow in Advanced Heart Failure, cardiac transplantation and Mechanical Circulatory Support, Toronto general hospital. Toronto, Ontario, Canada

2015-2016 Chief of Cardiology Residents, Instituto Cardiovascular de Buenos Aires, Ciudad Autónoma de Buenos Aires, Argentina.

2015-2016 Intraoperative hemodynamic monitoring, Mater Dei hospital, Ciudad Autónoma de Buenos Aires, Argentina.

### **University.**

2008-2009 Instructor, First year medicine School, Program for continuity within University, Universidad Nacional del Litoral, Santa Fe, Santa Fe Argentina

2009 Instructor, Internal Medicine, Universidad Nacional del Litoral, Santa Fe, Santa Fe Argentina.

## **C. Professional Affiliations and Activities.**

### **1. Professional Associations.**

Titular member of the Argentinian Society of Cardiology.

### **2. Administrative Activities.**

#### **NATIONAL.**

2015 Sub investigator, Outcomes: Evaluation of Cardiovascular Outcomes After an Acute Coronary Syndrome During Treatment With Alirocumab (ODISSEY).

2015 Sub investigator, A Study to Compare the Safety of Rivaroxaban Versus Acetylsalicylic Acid in Addition to Either Clopidogrel or Ticagrelor Therapy in Participants With Acute Coronary Syndrome (GEMINI ACS 1).

2018 Sub investigator, STAND UP HF.

2018 Sub investigator, GALACTIC trial

2018 Sub investigator, SOLOIST trial

2018 Sub investigator, AFFIRM trial

#### **REGIONAL.**

#### **CONAREC (Consejo Nacional Argentino de residentes de Cardiología).**

2015-2016 Member scientific committee, CONAREC, Buenos Aires Argentina

(my role during this appointment was to gather, assess and approve the content of CONAREC material that would be presented in National Scientific Organizations. I was responsible also for the selection, design and implementation of the Scientific Program of the 2015 CONAREC congress, that took place in Mar Del Plata, Buenos Aires, Argentina).

2014-2015 Editor, CONAREC magazine, Buenos Aires, Argentina.

2013 Organizer, Post operative care after Cardiac surgery course

#### **ICBA (Instituto Cardiovascular de Buenos Aires).**

2015 Data entry, Heart Failure database, Instituto Cardiovascular de Buenos Aires.

### **Hospital regional Ricardo Nancer.**

2009 Designer of database, Respiratory infections in children from 0-5 years, Ricardo Nancer Hospital, Santo Tome, Santa Fe, Argentina.

## **D. Publications.**

### **1. Distinction and Research Awards.**

2023 “Dr Pedro Cossio” award, best research in clinical cardiology. “Initial diuretic efficiency as a predictor of diuretic resistance and clinical outcomes in acute heart failure”. 2023 Argentine congress of cardiology.

2014 Best Poster by a Resident, Electrocardiographic differences between Takotsubo and Acute Anterior Myocardial infarction.

### **2. Most relevant publications.**

**Initial diuretic efficiency as a predictor of diuretic resistance in acute decompensated heart failure patients.** Scaturale, E. C., Battioni, L, Guazzone A, Esperon G, Corsico L, Costas P. A., Grancelli, H. O. Rev Argent Cardiol 2024; 89: 397-406

**Detection of determinants of PHQ 9 score for major depressive symptoms in health workers during the COVID-19 pandemic using machine learning techniques.** Battioni, L; Scatularo, E. C.; Bellia, S; Lescano A; Pereiro, S.M; Giorgini J. Arch Cardiol Mex. Ahead of print

**Predictors of major depression and generation of a screening score in the SARS-CoV-2 pandemic. Sub analysis of the survey ImPPaCTS-SAC20.** Battioni, L; Scatularo, E. C.; Bellia, S; Sara Costa de Robert; Ma de las nieves Gatti, Racky, M; Soracio, G; Lescano A, Giorgini J; Pereiro, S.M. Arch Cardiol Mex. Ahead of print

**Temporal evolution of the Psychophysical impact of the COVID-19 pandemic in healthcare workers in Argentina. IMPPACT-SAC.20 sub analysis.** Bellia, S; Battioni, L; Scatularo E. C.; Armando, C.G.; Giorgini, C.G.; Lescano, A; Pereiro, S.M. Rev Argent Cardiol 2021;89:507-512

**Psychophysical impact of the COVID-19 pandemic in healthcare workers in Argentina. The IMPPACT-SAC.20 survey.** Cristhian E. Scatularo, Luciano Battioni, Sebastián Bellia, Sara Costa de Robert, María de las Nieves Gatti, Mario Racki, Guillermina Soracio, Adrián Lescano, Julio Giorgini, Stella M Pereiro. Argentinian journal of cardiology. Volume 89 Issue 3, 2021

**Decompensated Heart Failure in Patients with Aortic Valve Stenosis.** Talavera, ML; Vrancic, JM; Battioni, L; Candiello, A; Baro, R; Burgos, L; Diez, M. Curr Probl Cardiol 2019; 00: 1-9

**Pathological Correlation Between Apical Core Biopsies at the Time of Left Ventricular Assist Device Implantation and Excised Heart at Time of Transplant or Autopsy.** M. Alhussein; L.

Battioni; K. Runeckles; J. Duero Posada; Y. Moayed; J. Lombardi; H.J. Ross; F. Billia; V. Rao; J. Butany; M. McDonald. JHLT. Vol 37, 4, 305-307, 2018

**Implantable cardiac defibrillator and mortality in non ischaemic cardiomyopathy: an updated meta-analysis** Ana C Alba, Farid Foroutan, Juan Duero Posada, Luciano Battioni, Toni Schofield, Mosaad Alhussein, Thomas Agoritsas, Frederick A Spencer, Gordon Guyatt. Heart 2017;0:1-7

**Electrocardiographic differences between takotsubo and Anterior myocardial infarction.** Battioni, L; Costabel J.P, Mondragon L.I.; Russo, A; Villarino B.S; Lamelas P.M. Revista federacion Argentina de cardiologia 2015. Vol 44 (1).

**Triage in cardiovascular emergency service: usefulness and validity of emergency severity index 4.** Costabel, J.P; Battioni, L; Bazan, N; Chiappe, C; Guardia, W; Navarro, C; Diaz, Canadian Journal of Cardiology. 2015 Feb; 31 (2), 228e3-228e4.

**Is there unstable angina in the era of high sensitivity troponin?** Kohan, S.A; Battioni, L; Seoane, L.A; Furmento, J.F; Trivi, M. Revista de la federacion Argentina de Cardiologia. 2017; Vol 46 (1).

### 3.Journal articles

**Oversupply of webinars during COVID19 pandemic and the evaluation to organize them. New problems require new solutions.** Battioni, L; Porto, A; Tomas, L; Asension C; Prieu, F. Rev Arg de Ed Med 2021, 3:38-44

**Restrictive Cardiomyopathy consensus. Radiotherapy induced restrictive cardiomyopathy.** Fernández AA, Pereiro González SM, Costabel JP, Straitenberger G, Aguirre MA, Ratto R, et al. Sociedad Argentina de Cardiología. Rev Argent Cardiol 2021;89 (Suplemento 7):1-92

**Electrocardiography during the third trimester of pregnancy: description of its characteristics.** Battioni,L; Eidelman G; Entiquez B; Herscovich N, Arismendi; De Viggiano A. Rev Argent Cardiol 2021;88:131:135

**Argentinian Society of Cardiology webinars assistants. Variables related to audience size and its tendency.** Battioni, L; Tomas, L; Ascencion, C; Prieu, F; Porto, A.Rev Argent Cardiol 2020;88:482484.

**Acute myocardial infarction associated with hypercoagulopathy due to neoplastic lung disease.** Battioni, L; Costabel. J.P; Alves de Lima A. Rev Argen Cardiol. 2013; 81: 180-181.

**Papillary muscle rupture associated to essential thrombocytosis.** Avegliano, G; Conde, D; Battioni, L; Kuschnir, P; Castro, F; Ronderos, R. Am J Emerg Med 2014; 32 (12): 1556-1556.

**Correlation between High sensitivity troponin assay and echocardiographic wall motility score index in patients with ST elevation acute myocardial infarction.** Battioni, L; Campos,

R; Spaletta, P; Pedernera, G; Conde, D; Costabel J.P. Argentine Journal of Cardiology 2016, 84 (2): 154-156.

**Carotid Stenting: current evidence and controversy.** Battioni, L; Belcastro, F. Rev CONAREC 2013; 4: 0168- 0173.

**Cardiac Amyloidosis Mimicking Hypertrophic Cardiomyopathy.** Battioni, L; Sciancalepore, A; Costabel, J.P. Rev Federacion Argentina de cardiología 2015. 44(4).

**Complete atrioventricular block associated with topical ophthalmic use of timolol.** Burgos, L.M; Galizia Brito V.P; Battioni, L; Costabel, J.P. Revista de la federacion Argentina de Cardiologia. Vol 46 (1) 2017.

**Evaluation of Burnout Syndrome in Medical Residents Following a “Rest After Shift” Intervention.** Burgos, L.M, Battioni, L, Costabel, J.P, Alves de Lima A. Rev Argent Cardiol 2018;86:126-130.

**Usefulness of a single measurement of high-sensitivity troponin T to rule out acute myocardial infarction, acute coronary syndrome or death by any cause in patients admitted to the thoracic pain unit.** Juan P. Costabel, Cristian M. Garmendia, Roberto Campos, Luciano Battioni, Marcia M. Cortes, Silvana Resi, Rosina Arbucci, Alberto Alves de Lima, Marcelo Trivi. Rev Federacion Argentina de Cardiologia 2018; Vol 47

**Long-term prognostic value of inducible myocardial ischemia in patients with severe ventricular dysfunction undergoing coronary artery bypass graft surgery.** Burgos LM, Parodi JB, Brito VG, Sigal A, Battioni L, Diez M, Benzadon M, Navia D, Seoane L. FAC magazine Vol 4 2018 N 4

## D. Lectures

### Invited lectures.

Advanced heart failure in Argentina and the World, what data do we have?. Argentinian congress of cardiology. 2023

Diabetes, Heart Failure and something else. Clinical Cardiometabolism course. Universidad ICESI of Cali, Colombia 2021

Heart Failure with preserved Ejection Fraction. Chairman, heart failure meeting, Argentinian Society of cardiology 2021

Advanced Heart Failure roundtable. Chairman. Argentinian cardiology congress 2021 Argentinian society of cardiology

Diabetes and Heart Failure the basic, the epidemiological and the practical. Clinical Diabetology course. Universidad del pacífico, Paraguay 2021

Diabetes, Heart Failure and something else. Clinical Diabetology course. Universidad del Jareviana of Cali, Colombia 2021



Diastolic function assessment. IX Cardiac imaging course. 2021. Director Dr Martin Lombardero

Diabetes, Heart Failure and something else. Clinical Diabetology course. Universidad del Pacífico 2020

Heart failure and cardiac imaging. Heart failure and transplant council. Argentinian society of cardiology. Bs As 2020

Diastolic Dysfunction evaluation. Precise report in the fake news era. X Update course in Cardiac Imaging. June 2020. Director: Dr Martin Lombardero

Classification of Cardiomyopathies and therapeutic approach. University of Buenos Aires. Interventional cardiologist career. may 2019

XXXIII Cardiology Residency meetings. CONAREC 2013. Chair: Aortic Valvulopathy in Special clinical scenarios.

XV Argentinian Congress of Cardiology. Argentinian Society of Cardiology 2013. Cardiac Insufficiency in the XXI century. Dissertation: Surgical Treatment of Cardiac insufficiency.

XVI Argentinian Congress of Cardiology. Argentinian Society of Cardiology 2014. Chair: Atrial Fibrillation joint session CONAREC-SAC.

XXXIV Cardiology Residency meetings. CONAREC 2014. Chair: Acute Coronary Syndromes with ST segment elevation.

XXXIV Cardiology Residency meetings. CONAREC 2014. Judge for best clinical research done by cardiology residents award.