

CURRICULUM VITAE

NAME

Morales, Celina

Office Address:

Cardiovascular Pathophysiology Institute. Department of Pathology
Faculty of Medicine, University of Buenos Aires.
J. E. Uriburu 950, 2nd floor, Sector B
1114. Buenos Aires, Argentina.

1. PRESENT PROFESSIONAL POSITIONS

a) Head Professor of Pathology, Department of Pathology.

Faculty of Medicine, University of Buenos Aires.

b) Under-Director of Cardiovascular Physiopathology Institute

Faculty of Medicine, University of Buenos Aires

c) Research Professional Positions

1- Researcher category 2. Faculty of Medicine. University of Buenos Aires

2- Co-Researcher and Assessor of Cardiovascular Biomechanics Laboratory.

Department of Biomedical Engineering. Indiana University Purdue.

University Indianapolis (IUPUI). USA

2. EDUCATION

a. Graduate:

1- Physician. Faculty of Medicine. University of Buenos Aires

2- Pathology Specialist. National Ministry of Health, Argentine Republic

3- Doctor of Medicine (PhD). Faculty of Medicine. University of Buenos Aires

4- Associate Professor of Pathology . Department of Pathology, Faculty of Medicine
University of Buenos Aires

3. PROFESSIONAL TRAINING

- 1- Pathology Resident. Pathology Unit, "Juan A. Fernández" Hospital, Buenos Aires
- 2- Research Fellow National Academy of Medicine Pathology Unit, Institute of Cardiology. "Hermenegilda Pombo de Rodríguez", National Academy of Medicine Buenos Aires.

a. Major Visiting Appointments

1. Jiménez Díaz Foundation, Department of Pathology, University of Madrid, Spain
2. Broussais Hospital. Department of Pathology, Paris, France
3. Southmead Hospital. Department of Pathology, Bristol, England
4. Stanford Hospital. Department of Pathology (Heart transplant) Stanford University, U.S.A.

4. OTHER PROFESSIONAL ACTIVITY

Founder and Charman of the Experimental Pathology Unit. Institute of Cardiology, Favaloro Foundation. Buenos Aires.

5. PROFESSIONAL SOCIETIES AND ACTIVITIES

1. Active Member of many National and International Professional and Scientific Societies
2. Reviewer of Scientific Papers and Presentations
3. Guest speaker for several Professional and Scientific Organizations.
4. Member of the Organizing Committee of various National and International Congresses.

6. HONORS AND AWARDS

1. Biennial "Mariano Castex" Award in Internal Medicine, National Academy of Medicine Argentina
2. Rosalía Feldblit de Garfunkel Award, National Academy of Medicine Buenos Aires, Argentina
3. Argentina Federation of Cardiology Award". Buenos Aires, Argentina
4. Argentina Biochemistry Society Award". Buenos Aires, Argentina

5. Award for the Best research work in Basic Sciences, School of Medicine, National University of Cuyo, Mendoza, Argentina
6. Award for the Best.research work in Basic Sciences School of Medicine of Rosario, National University of Santa Fe, Argentina
7. Accesit Award: "National Academy of Pharmacology and Biochemistry" . Buenos Aires, Argentina
8. Award for the "Best research work in Basic Sciences. Cardiology Society of Argentine.
9. Award for the "Best research work in Basic Sciences . Scientific Societies of Medicine Students. Mazatlán, Sinaloa, México
10. Dr. Oscar Orías award in Echocardiography. Cardiology Society of Argentine. Buenos Aires

7. MAJOR TEACHING EXPERIENCE

Research training: Many Postdoctoral fellows and Predoctoral Students

8. BOOK CHAPTERS

1. Comparison of the effects of ACE inhibition with those of Angiotensin II receptor antagonism on systolic and diastolic myocardial stunning in isolated rabbit heart. Myocardial and Reperfusion, Ed. Michael V. Cohen, James Downey, Ricardo J. Gelpi y Ján Slézák. Kluwer Academic Publisher, pag: 117-121, 1998.
2. Collagen distribution and systolic stress in end stage failure in idiopathic dilated and ischemic cardiomyopathy in humans. Ed: Monduzzi Editore, International Proceedings Division, Pag 137-142, 1998. Brasil
3. Remodelamiento Ventricular y Sistema Renina Angiotensina. En Fisiopatología Cardiovascular. Bases Racionales para la Terapéutica. ISBN: 950-9030-02-3. Pag.151-168 Rosario, Editorial Corpus, 2010. (Spanish edition).
4. Remodelamiento posinfarto de miocardio". En Fisiopatología Cardiovascular. Bases Racionales para la Terapéutica. Editorial Corpus ISBN: 950-9030-02-3.Pag.123-150. Rosario, Editorial Corpus, 2010. (Spanish edition).
5. Periodontitis y Enfermedad Coronaria. En:Patologías Regionales y Sociales. ED.Guanabara Koogan, Brasil, ISBN 978-277-1709-0. Pag 207-211. 2011. (Spanish edition).

9. SPECIALTY COURSES

1. National and International Training Assistant Specialty Courses
2. National and International Instructor Specialty Courses

10. PRESENTATIONS IN CONGRESSES

Formal Paper Presentations at National and International Meetings

11. GRANT SUPPORT

- National Agency of Scientific and Technical Promotion
- CONICET
- University of Buenos Aires

11. HOSPITAL APPOINTMENTS

Assessor of Cardiovascular Pathology

1. Heart Transplant Sections. Cardiology Departments:
 - a. GEVE, Galicia Institute, Montevideo, Uruguay
 - b. Mitre Clinic, Buenos Aires. Argentina
 - c. High Complexity Hospital, Formosa, Argentina
 - d. Austral University Hospital. Pilar, Buenos Aires. Argentina
 - e. Cardiovascular Institute of Buenos Aires. Argentina
2. Argentinian Forensic Medical Corps (Cardiovascular Pathology Training). Buenos Aires. Argentina

12. SELECTED PUBLICATIONS, ABSTRACTS AND FULL TEXT

Delgado D, Arazi HC, Sellanes M, Caceres M, Cardenas C, Morales C, Bortman G, Nojek C. Study of early corticosteroid withdrawal in cardiac transplantation. *Transplant Proc*; 31(6):2524-5, 1999

Gelpi RJ, Morales C, Cohen MV, Downey JM. Xanthine oxidase contributes to preconditioning preservation of left ventricular developed pressure in isolated rat hearts: developed pressure may not be an appropriate end-point for studies of preconditioning. *Basic Res Cardiol.*, 97:40-46, 2002

Morales C, González GE, Rodríguez M, Bertolasi CA, Gelpi RJ. Histopathologic time course of myocardial infarct in rabbit hearts. *Cardiovascular Pathology*, 11(6): 318-324, 2002

Abbate A, Scarpa S, Santini D, Palleiro J, Vasaturo F, Miller J, Morales C, Vetovec GW, Baldi A. Myocardial expression of survivin, an apoptosis inhibitor, in aging and heart failure. An experimental study in the spontaneously hypertensive rat. *Int J Cardiol.*; 111(3):371-6. 2005

González GE, Palleiro J, Monroy S, Pérez S, Rodríguez M, Masucci A, Gelpi RJ, Morales C. Effects of early administration of losartan on functional and morphological aspects of post-myocardial infarction ventricular remodeling in rabbits. *Cardiovasc. Pathol*, 14 (2): 87-94, 2005.

Rancich AM, Pérez ML, Morales C, Gelpi RJ. Beneficence, Justice, and lifelong learning expressed in medical oaths. *The Journal of Continuing Education in the Health Professions* 20:211-220. 2005

González GE, Rodríguez M, Donato M, Palleiro J, D'annunzio V, Morales C, Gelpi RJ. Effects of low calcium reperfusion and adenosine on diastolic behavior during the transitory systolic overshoot of the stunned myocardium in the rabbit. *Can J Physiol Pharmacol*, 84(2):265-272, ISSN 1205-7541, 2006

Berrocal D, Morales C, Gonzalez GE, Grinfeld L, Gelpi RJ. Local Delivery of Irinotecan With Drug-Eluting Stents Inhibits Neointimal Proliferation in Hypercholesterolemic Rabbits. *Catheter Cardiovasc Interv*, 68(1):89-96, 2006.

Abbate A, Morales C, De Falco M, Fedele V, Biondi Zoccai GG, Santini D, Palleiro J, Vasaturo F, Scarpa S, Iluso G, Severino A, Balde F, Crea F, Biasucci LM, Vetovec GW, Gelpi RJ, Baldi A. Ischemia and apoptosis in an animal model of permanent infarct-related artery occlusion. *Int J Cardiol*, 121(1):109-11, 2007.

Abbate A, De Falco M, Morales C, Gelpi RJ, Prisco M, De Luca A, Palleiro J, Fedele V, Feroce F, Baldi F, Vetovec GW, Baldi A. Electron microscopy characterization of cardiomyocyte apoptosis in ischemic heart disease. *Int J Cardiol*, 114(1):118-120, 2007.

Donato M, D'annunzio V, Berg G, Gonzalez GE, Schreier L, Morales C, Wikinski RL, Gelpi RJ. Ischemic postconditioning reduces infarct size by activation of A1 receptors and k⁺atp channels in both normal and hypercholesterolemic rabbits. *J Cardiovasc Pharmacol*, 49(5):287-292, 2007.

Cavallero S, González GE, Puyó AM, Rosón MI, Pérez SG, Morales C, Hertig CM, Gelpi RJ, Fernández BE. Atrial natriuretic factor behavior and myocyte hypertrophic profile in combined pressure and volume-induced cardiac hypertrophy. *J Hypertens*, 25(9):1940-50, 2007.

Pérez NG, Piaggio MR, Ennis IL, Garcarena CD, Morales C, Escudero EM, Cingolani OH, Chiappe de Cingolani G, Yang XP, Cingolani HE Phosphodiesterase 5A inhibition induces Na⁺/H⁺ exchanger blockade and protection against myocardial infarction. *Hypertension*. 49(5):1095-103. 2007

Berrocal DH, González GE, Fernández A, Perez S, Wilensky L, Morales C, Grinfeld L, Gelpi RJ. Effects of overexpansion on stents' recoil, symmetry-asymmetry and neointimal hyperplasia in aortas of hypercholesterolemic rabbits. *Cardiovasc Pathol*. 17(5):289-96.; 2008.

González G, Palleiro J, Seropian I, López Verrilli MA, Gironacci M, Krieger L, Tomasi VH, Rodríguez M, Gelpi RJ, Morales C. Effect of early vs late AT1 receptor blockade with losartan on Post Myocardial infarction ventricular remodeling in rabbits. *Am J Physiol Heart Circ Physiol*. 297(1):H375-86, 2009.

Guo X, Mattar S, Morales C, Navia JA, Kassab GS. Novel gastric sleeve magnetic implant: safety and efficacy in rats. *Surgery for Obesity and Related Diseases* 5:66, 684-691, 2009.

González D, Basso N, Gelpi RJ, Morales C. Cardiac Remodeling and Renin-Angiotensin System. *Physiological Mini-Reviews* 4: 19-28, 2009.

Cavallero S, Gonzalez GE, Seropian IM, Cerrudo CS, Matorra F, Morales C, Hertig CM, Puyo AM, Fernández BE, Gelpi RJ. Ventricular function and natriuretic peptides in sequentially combined models of hypertension. *Am J Physiol Heart Circ Physiol*. 298(4):H1290-9, 2010.

Jenny S. Choy, Mark Svendsen, Xiao Lu, Hai Zheng, Matthew S. Sulkin , Anjan K. Sinha , Celina Morales , Issam Moussa , José A. Navia and Ghassan S. Kassab.
Selective autoretroperfusion preserves myocardial function during coronary artery ligation in swine
Acute Cardiac Care, 2011; Early Online, 1–10

Verónica D'Annunzio, Martín Donato, Andrea Fellet, Bruno Buchholz , Valeria G. Antico Arciuch, Mariía C. Carreras, Laura Valdez , Tamara Zaobornyj, Celina Morales, Alberto Boveris, Juan J. Poderoso, Ana M. Balaszczuk, Ricardo J. Gelpi. Diastolic function during hemorrhagic shock in rabbits. *Mol Cell Biochem*, in press, 2011, DOI 10.1007/s11010-011-1011-2

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