# Dr.med. Derliz Mereles, MD

Curriculum vitae

#### **Personal information**

Name: Derliz Ramón Mereles Tottil

Birth date: 19.05.1963

Birthplace: Asunción, Paraguay

Medical Doctor (M.D.) from the National University of Degrees:

Asunción and Doctoris medicinae (Dr.med.) from the University of Heidelberg, Germany

Specialty: Non-invasive Cardiology, Echocardiography

Email: derliz@dmereles.de Web: http://echobasics.org

http://echoforum.org

# **Current academic rank and position**

Senior Research Fellow, Head of the Echocardiography Laboratory and Echocardiography Research Group, Department of Cardiology of the Heidelberg University Hospital, Germany

> www.klinikum.uni-heidelberg.de/mereles www.klinikum.uni-heidelberg.de/Echokardiographie

## **Educational and academic background**

1969-1974	Primary school. Horqueta, Paraguay
1975-1980	High school. Concepción, Paraguay
1980-1981	High school exchange program. Shawnee Mission Northwest High School.
	Kansas City, Kansas, USA
1982-1987	Medical studies at the National University of Asunción (UNA), Paraguay

## Postgraduate training – academic activities

1983-1984	Academic assistant at the Cathedra of Histology and Embryology of the UNA
1985-1987	Academic assistant at the Cathedra of Pathological Anatomy of the UNA
1988-1989	Internship at the University Hospital, Asunción
1989-1991	Residence in internal medicine at the III Cathedra of Internal Medicine at the
	University Hospital, Asunción. Prof. Dr. Carlos Velazquez
1991-1993	Residence in cardiology and academic assistant of the Department of
	Cardiology at the III Cathedra of Internal Medicine, University Hospital of
	Asunción. Prof. Dr. Omar Sosa
1991-1993	Concomitant training in cardiology at a private cardiology diagnostic center.
	Training in non-invasive diagnostic methods in cardiology. Prof. Dr. Laurentino Barrios
1993-2015	Research fellow at the Department of Cardiology of the University Hospital of
	Heidelberg, Germany. Clinical cardiology, non-invasive cardiology, cardiac imaging,
	echocardiography. Prof. Dr. Wolfgang Kübler (former Chair) and
	Prof. Dr. Hugo A. Katus (current Chair)
2009-2016	Head of the Echocardiography Laboratory and Echocardiography Research Group,
	Department of Cardiology of the Heidelberg University Hospital. Germany

### Scientific work and publications | selection

Mereles D, Ehlken N, Kreuscher S et al. Exercise and respiratory training improve exercise capacity and quality of life in patients with severe chronic pulmonary hypertension. *Circulation* 2006;114:1482-89.

Greiner S, Jud A, Aurich M, Hess A, Hilbel T, Hardt S, Katus HA, <u>Mereles D</u>. Reliability of noninvasive assessment of systolic pulmonary artery pressure by Doppler echocardiography compared to right deart catheterization: analysis in a large patient population. *Journal of the American Heart Association 2014;3:e001103 doi:* 10.1161/JAHA.114.001103.

Aurich M, André F, Keller M, Greiner S, Hess A, Buss SJ, Katus HA, <u>Mereles D</u>. Assessment of left ventricular volumes with echocardiography and cardiac magnetic resonance imaging: real-life evaluation of standard versus new semiautomatic methods. *Journal of the American Society of Echocardiography* 2014; 27:1017-24.

Greiner S, Heimisch M, Aurich M, Heß JA, Katus HA, <u>Mereles D</u>. Multiplane two-dimensional strain echocardiography for segmental analysis of right ventricular mechanics: New-RV study. *Clinical Research in Cardiology* 2014;103:817-24.

Greiner S, André F, Heimisch M, Hess A, Steen H, Katus HA, <u>Mereles D</u>. Non-invasive quantification of right ventricular systolic function by echocardiography: a new semi-automated approach. *Clinical Research in Cardiology* 2013;102:229-35.

Chaves G, Brítez N, Maciel V, Klinkhof A, <u>Mereles D</u>. Prevalence of cardiovascular risk factors in an urban ambulatory adult population: AsuRiesgo study, Paraguay. *Revista Panamericana de Salud Publica* 2015;38:136-43.

Chaves G, Britez N, Munzinger J, Uhlmann L, Gonzalez G, Oviedo G, Chaparro V, Achon O, Bruckner T, Kieser M, Katus HA, Mereles D. Education to a Healthy Lifestyle Improves Symptoms and Cardiovascular Risk Factors – AsuRiesgo Study. *Arquivos Brasileiros de Cardiologia* 2015;104:347-55.

### **Current publication profile**

Scientific papers: 82
Citations: 2149
Hirsch-index: 21
i10-index: 32
G-index: 44

Cumulative Impact Factor: 457.30 Publication range: 2000-2016

#### **Awards**

2006 Research Award of the René-Baumgart Foundation for the work: "Exercise and respiratory training improve exercise capacity and quality of life in patients with severe chronic pulmonary hypertension". Award shared with coauthors.

2006 Frank-Majewski Award of the Southwest German Syndrome Conference for the work: "Primary arterial hypertension (PAH) in children: autosomal dominant and autosomal recessive cases". Award shared with coauthors.

2013 PH-DACH Symposium Award for the work: "Non-invasive quantification of pulmonary systolic artery pressure: a comparison between Doppler echocardiography vs. invasive measurements in a large patient population". Award shared with coauthors.

## **Scholarships**

AFS-Intercultural Programs: High school cultural exchange program to Kansas City, Kansas, USA. June, 1980 through July, 1981

Zentralstelle für den deutschsprachigen Chorgesang in der Welt: 4th and 5th international seminars for choir directors in Solingen, Germany. June, 1988 and June, 1990

Postgraduate scholarship of the Nacional University of Asunción to Heidelberg, Germany. August, 1993 through September, 1994

Research scholarship of the University of Heidelberg, Germany. October, 1994 through August, 1995

# Further information | miscellanea

1978-1981 1980 1981 1981 1980-1981	Music studies: piano, composition, choral direction Diploma 'Professor for Elementary Piano Education', Asunción, Paraguay Kansas Piano Competition, Lawrence, Kansas, USA: Première Arabesque, C. Debussy, grade II+ Member of the National Honor Society, Kansas City, Kansas, USA Member of the Concert Choir at the SMNW High School, Kansas
1985-1993	Director of the Marandú Choir, Asunción, Paraguay
1994-1995	Member of the choir Capella Palatina Heidelberg, Germany
1995	Public presentation of <i>las comodidades del infierno</i> , Asunción
2000	Photo exhibitions http://forma-imagen.de and http://random-lens.de
2004	Launch of a free of charge echocardiography tutorial: http://echobasics.de
Web	http://echobasics.org http://echoforum.org http://echocompact.de http://asuriesgo.org http://www.random-lens.de

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