

Dr. MANUEL OCHOA M.D

Cardiovascular and Thoracic Surgeon



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AREAS OF INTEREST

- Cardiac Surgery Adults (CABG, Mitral valve repair and Aortic valve Tech.)
- Pediatric Cardiac Surgery (Congenital Heart Disease)
- Minimally Invasive Thoracic Surgery (VATS)
- Heart Transplantation, Extracorporeal Life Support (ECMO) and Ventricular Assist



WORK EXPERIENCE

- April 2011 to date: Clinica Cardiovascular, Hospital Pacífica Salud Hospital / Clinica San Fernando .

Cardiovascular and Thoracic Surgeon

Coordinator of the Heart Transplant Program Hospital Pacífica Salud.

Coordinator of the Congenital Cardiac Program at Hospital Pacífica Salud.

Co-Director of the ECMO Pacifica Center Cardiopulmonary Support Program

- May 2011 to 2023 Complejo Hospitalario C.S.S Dr. Arnulfo Arias Madrid. Panama, Panama.

Sub-specialist Surgeon Attached to the Cardiovascular and Thoracic Surgery Service.

Director of the CSS Heart Transplant Program.

- May 2011 to 2023 Pediatric Specialties Hospital C.S.S Panama, Panama.

Sub-specialist Surgeon Attached to the Congenital Heart Disease / Cardiovascular Surgery Service.



EDUCATION

- Oct 1st – Nov 1st 2013: Training in the Medical-Surgical Program for **Heart Transplantation and Ventricular Assistance, Cedars-Sinai Advanced Heart Disease Section, CSMC Beverly Hills CA.**
- Dec 15, 2010 – Feb 15, 2011: Mexican Institute of Social Security (I.M.S.S.) Hospital de Especialidades Cardiológicas No.34 Monterrey, Nuevo León. Mexico. **Advanced Cardiac Surgery and Heart Transplantation.**
- March 2004 – March 2008: Mexican Social Security Institute (I.M.S.S.) Hospital de Alta Especialidades Cardiológicas No. 34 Monterrey, Nuevo León. Mexico.
Fellow in Cardiovascular and Thoracic Surgery (Adults and Pediatrics)
International Rotations
C.S Mott Children's Hospital, (Congenital Heart Surgery) Ann Arbor Michigan. US, May 2008
Texas Heart Institute at St. Luke's Hospital, Houston, TX. US. April 2007
- March 2002 – Feb. 2004 Mexican Social Security Institute (I.M.S.S.) Western National Medical Center Guadalajara, Jalisco. Mexico **Fellow in General Surgery Specialty (2nd and 3rd year)**
- March 2001– Feb. 2002 Mexican Social Security Institute (I.M.S.S.) Regional General Hospital No. 46. Guadalajara, Jalisco. Mexico. **Fellow in General Surgery Specialty (1st year)**
- 1994 – 2000 **Faculty of Medicine of the Autonomous University of Guadalajara, Jalisco, Mexico Title of Medical Doctor.**

ACCREDITATIONS AND AFFILIATIONS

- Member of the Latin American Association of Cardiac & Endovascular Surgery
- Member of the World Society for Congenital Heart Surgery
- Member of European Association Cardio-thoracic Society (EACTS)
- Volunteer Surgeon International Children's Heart Foundation
- Humanitarian Activities in collaboration with the World Pediatric Project. (from 2010)
- Member of the Panamanian Society of Cardiovascular and Thoracic Surgery
- Certification in Heart Transplant by the National Transplant Committee
- Member of the Mexican Society of Cardiac Surgery
- Member of the Latin American Society of Cardiovascular Surgery
- Member of the Latin American Society of Pediatric Cardiovascular Surgery
- ECMO specialist Certified by ELSO (Extracorporeal Life Support Organization)

SCIENTIFIC ACTIVITIES AND RESEARCH

- **Research:** (Principal Investigator) Evaluation of the Minimally Invasive Ventouch System in the **treatment of functional mitral valve regurgitation (FMR)**.
Protocol CT007 Nov 2019, Mardil Medical INC. plymouth. MN USA
- **Publication:** (Author) **Use of CytoSorb in a septic patient with complicated mitral and aortic valve endocarditis and brain abscess.** (CytoSorb Review Case of the week) April 2019
- **Speaker:** **Obstructive Hypertrophic Cardiomyopathy, surgical management.**
Presented at: Heart Disease Forum, Hospital Pacifica Salud, 29 Sept. 2018. Panama City, Panama.
- **Co-Author:** **Endoventricular Remodeling type DOR + CABG + AVR, in a patient with post-MI ventricular aneurysm-** (1st Place Award in Poster-type Scientific Session).
Presented at: I Inter-American Congress of Heart Failure July 2018, Panama City, Panama.
- **Author:** **Congenital Heart Disease in Panama, Current Surgical Treatment**
Presented at: Congress of the International Society of Neonatology, Aug 2016 Panama City, Panama.
- **Merit:** **Realization of the First Heart Transplant in Panama** March 2016 Hospital Punta Pacifica and CSS / Ministry of Health of Panama.
- **Author:** **Surgical alternative in the treatment of Taussig-Bing Heart with Aortic Arch Hypoplasia.** (1st Place Award in Scientific Session).
XIV Annual Congress of the Mexican Society of Cardiac Surgery (SMCC) & VIII Congress of the Latin American Society of Cardiovascular and Thoracic Surgery. Acapulco, Mexico Apr. 8th-11th 2015

- **Author:** Surgery in congenital heart disease, current status.
- **Author:** Hybrid Treatment of Complex Dissection of the Aortic Arch
XXIII Annual Congress of the Mexican Society of Cardiac Surgery (SMCC) Apr 23-26, 2014. Merida,, Mexico
- **Author:**
 - Transcatheter Aortic Valve Implantation (TAVI), subclavian approach: an alternative for Hostile femoral accesses (1st Place Award scientific session).
 - Anomalous Origin of the Right Pulmonary Artery Associated with Interrupted Aortic Arch and Window
 - Aorto-Pulmonary Trap-Door Technique for Pulmonary Anastomosis (Scientific Session)
XXII Annual Congress of the Mexican Society of Cardiac Surgery (SMCC) Jal.Mx April 3-6th 2013
- **Author:** Congenital Heart Disease Surgical Program in Panama
Scientific Session of the Hospital Pediatric Specialties CSS Panama. January 26th 2013
- **Author:** Thoracotomy and Micro-neurosurgery. Surgical management of Dumbell's tumor. (Video)
1st Place Award. XXVI Central American and Caribbean Congress of Pneumology and ThoracicSurgery. Panama March 28 2012.
- **Speaker:** Humanitarian Missions in the Management of Congenital Cardiopathies (International Children's Heart Foundation). Panama Rotary Club, Union Club, Panama October 13, 2009.
- **Author:** Experience in the Management of Post-Sternotomy Mediastinitis. (Postgraduate Thesis)
- **Author:**
 - Mediastinitis in Cardiac Surgery: Risk Factors and Management Experience
 - Late Innominate Artery Pseudoaneurysm, Secondary to Closed Thoracic Trauma
- **Co-author**
 - Early results of the Anatomical Correction of the TGV: comparison of two techniques Neo-Lung Reconstruction.
 - Cystic Adenomatoid Malformation of the Lung is a rare entity, Results and medium-term follow-up. Reoperation in Tetralogy of Fallot, comprehensive experience in our environment
Presented: XVI National Congress of Cardiac Surgery. Mexican Society of Cardiac Surgery. Quintana Roo, Mexico. April 11 2007.
- **Coauthor:** Off-Pump Myocardial Revascularization in Awake Patient. Report of three cases and review of the literature.
Published: Argentine Journal of Surgery Volume, No. 2, June, July, August 2007, pages. 98 - 102
** Presented: XVIII Congress of the Spanish Society of Thoracic and Cardiovascular Surgery. Valencia Spain. June 7 to 10, 2006

- **Author:** Aortic Coarctation, Surgical Management and Results: Experience in 87 cases.
I Latin American Congress of Cardiovascular and Thoracic Surgery. XV National Congress of Surgery

Cardiac. Latin American Society of Cardiovascular and Thoracic Surgery. Mexico DF.

April 19 to 22 2006.

- **Co-author**
 - Tracheal Surgery, institutional experience, Cardiothoracic Surgery Service
 - Surgery in Pulmonary Coccidioidomycosis: Comprehensive Experience in our environment
 - Mitral Valve Repair: Facts and Hope
 - Surgery for congenital anomalies of the coronary arteries: Experience and current evolution.
 - Graft patency in the short and medium term in myocardial revascularization
 - Primary Sarcoma of the Diaphragm, Case report and review of the literature
 - Cystic Adenomatoid Malformation, Case Report

I st Latin American Congress of Cardiovascular and Thoracic Surgery. XV National Congress of Surgery Cardiac. Latin American Society of Cardiovascular and Thoracic Surgery. Mexico DF. 19 to 22 April 2006.

- **Coauthor:** Surgery for Chronic AF: Isolation of the Pulmonary Veins. Experience of 94 cases
XXIV National Congress of Cardiology and XX Inter-American Congress of Cardiology.
Cancun Q.R January 28 to February 1, 2006

- **Author and Lecturer:** Paroxysmal Pulmonary Hypertension and complications after DVATP correction.

- **Co-author:**
 - Left Ventricular Aneurysm Surgery. Experience and Current Evolution.
 - Reconstruction of Ventriculo-Pulmonary Bypass with autologous tissue ("Peel" operation) for replacement of an extracardiac conduit: report of a case. (TL)
 - Complications in the Intensive Care Unit in Patients undergoing Canal Correction Atrioventricular. (TL)

XIV International Congress of Cardiac Surgery. Monterrey, Nuevo Leon, Mexico. March 29 – April 2, 2005

