Mauricio Daniel Garcia Jacques, MD

ACHE Institute of Houston was founded by Dr. Garcia Jacques, a Harvard University graduate, board certified in Pain Medicine, further specialized at the Cleveland Clinic. He is an expert in interventional pain medicine techniques including neuro-stimulation and is an advocate for multidisciplinary care for the patients with painful conditions. He is a former EMT from Monterrey Mexico who has a very diverse educational background that includes public health, biostatistics, global health and supply chain management, acupuncture, health information technology and he is board certified in anesthesiology and in pain medicine.

He has been part of the University of Harvard, Boston University, University of Texas, Cleveland Clinic, Tecnologico de Monterrey, among others. He has published in the fields of Pain Medicine, anaesthesiology, critical care medicine and cost effectiveness.

What is the product of combining these experiences? ACHE Institute of Houston. A center that wants to provide you with an alternative to pain management, that wants to give you a chance to heal!

Learning the [mechanism of injury](https://books.google.com/books?id=LPoXkd4yN1AC&pg=PA524&lpg=PA524&dq=mechanism+of+injury+importance+emt&source=bl&ots=VrWnrenDF0&sig=ECRAopOI4_jsQ2pO4AnByHMS6oY&hl=en&sa=X&ved=0ahUKEwjJyba91N_LAhVI2SYKHQ2yDFY4ChDoAQg1MAU%20%5Cl%20v=onepage&q=mechanism%20of%20injury%20importance%20emt&f=false) is one of the most discussed topics during EMT training. Understanding the flaws and limitations of [evidence based medicine](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1114973/) is essential to a biostatistician. [Population vs individual needs](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2698967/) and how to integrate them is the job of a public health specialist. [Emerging technologies](http://www.mckinsey.com/industries/healthcare-systems-and-services/our-insights/the-emerging-market-in-health-care-innovation) are allowing us to deliver low cost and high value services and means to communicate.

Present Position

**04/2016-Present Medical Director**

ACHE Institute of Houston

Houston, TX

EDUCATIONAL

**01/2009 –05/ 2010 Master of Public Health**

Boston University School of Public Health

Boston, MA

08/2002 – 02/2009 Medical Doctor

Tec de Monterrey (ITESM)

TRAINING (GME)

**7/14 – 6/15 Fellowship – Pain Medicine**

Anesthesiology and Pain Management

Cleveland Clinic

Cleveland, OH

**06/11-07/14** **Anesthesiology Residency**

Critical Care and Pain Medicine

Beth Israel Deaconess Medical Center

Harvard Medical School

Boston, MA

**07/13-8/13 Global Health Management Certificate**

Harvard School of Public Health

Boston, Ma

**06/10- 07/11 Internship**

Internal Medicine

Metrowest Medical Center

Framingham, MA

BOARD CERTIFICATION

**4/23/2015 – 12/31/2025 American Board of Anesthesiology**

**9/19/2015 – 12/31/2025 American Board of Anesthesiology Pain Medicine**

LICENSURE INFORMATION

**Ohio Unrestricted Medical License**

**Texas Medical Board Full Medical License**

PROFESSIONAL WORK HISTORY AND TEACHING EXPERIENCE

**07/15 – Present Assistant Professor**

Department of Anesthesiology

The University of Texas Medical Branch

Galveston, TX

**07/14 – 06/2015 Chief Fellow**

Department of Anesthesiology and Pain Medicine

Cleveland Clinic

9500 Euclid Avenue

Cleveland, OH 44195

COMMITTEE REPONSIBILITIES

International

State/Regional

School

**2010 – 2011 GME Representative**

Transitional Internship

Metrowest Medical Center

Framingham, MA

**2005 – 2006 Professional and Ethics Committee Member**

Tecnológico de Monterrey

**2004 – 2005 Vice President Student Government**

Tecnológico de Monterrey

Departmental

**2012 – 2013 Journal Club Representative**

Anesthesiology Critical Care and Pain Medicine

Beth Israel Deaconess Medical Center

Boston, MA

TEACHING RESPONSIBILITIES

Teaching of Students in Courses

**2012-2013 Biostatistics and Statistical Computing**

For Harvard Medical Students on Research elective

Beth Israel Deaconess Medical Center

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs):

**2011-2014 Anesthesia Skills Work Shop**

Students and Junior Residents

Beth Israel Deaconess Medical Center

Clinical Supervisory and Training Responsibilities:

**2011-2014 Supervise Medical Students during Anesthesia Clerkship**

Beth Israel Deaconess Medical Center

HONORS

**2014 Medical Student Teacher of the Year**

Harvard Medical School

**2014 Vascular Anesthesia Award**

and Beth Israel Deaconess Medical Center

2013 Boston, MA

**2012 Best Poster Presentation Award**

New England Anesthesia Resident Conference

Burlington, VT

ADDITIONAL INFORMATION

PUBLISHED ON:

**A. ARTICLES IN PEER-REVIEWED JOURNALS**

* Costandi, S., Garcia‐Jacques, M., Dews, T., Kot, M., Wong, K., Azer, G., ... & Mekhail, N. (2015). **Optimal Temperature for Radiofrequency Ablation of Lumbar Medial Branches for Treatment of Facet‐Mediated Back Pain.** *Pain Practice*.
* Loring, Stephen H., Mauricio Garcia-Jacques, and Atul Malhotra. **"Pulmonary characteristics in COPD and mechanisms of increased work of breathing."** *Journal of Applied Physiology* 107 .1 (2009): 309-314.

Research publications acknowledged and named collaborator as a member of the United States Critical Illness and Injury Trials Group: Lung Injury Prevention Study Investigators

* Gajic, Ognjen, et al. "**Early identification of patients at risk of acute lung injury: evaluation of lung injury prediction score in a multicenter cohort study."** *American journal of respiratory and critical care medicine* 183.4 (2011 ): 462.

* Chang, Ste1.en Y., et al. **"Contemporary ventilator management in patients with and at risk of ALI/ARDS."** *Respiratory care* 58.4 (2013): 578-588.

* Karnatovskaia, Lioudmila V., et al. **"The Influence of Prehospital Systemic Corticosteroid Use on Development of Acute Respiratory Distress Syndrome and Hospital Outcomes\*."** *Critical care medicine* 41.7 (2013): 1679-1685.

* Karnatovskaia, Lioudmila V., et al. **"Prehospital amiodarone may increase the incidence of acute respiratory distress syndrome among patients at risk."** *Journal of critical care* 27.5 (2012): 447-453.

* Festic, Emir, et al. **"Prehospital Use of Inhaled Corticosteroids and Point Prevalence of Pneumonia at the Time of Hospital Admission: Secondary Analysis of a Multicenter Cohort Study."** *Mayo Clinic Proceedings.* Vol. 89. No. 2. Elsevier, 2014.

* Festic, Emir, et al. **"Sp02/Fi02 Ratio on Hospital Admission Is an Indicator of Early Acute Respiratory Distress Syndrome Development Among Patients at Risk."** *Journal of intensive care medicine* (2013): 0885066613516411.

* Kor, Daryl J., et al. "**Association of pre-hospitalization aspirin therapy and acute lung injury: results of a multi center international observational study of at-risk patients."** *Critical care medicine* 39.11 (2011 ): 2393.

* Costandi, S., Garcia‐Jacques, M., Dews, T., Kot, M., Wong, K., Azer, G., & Mekhail, N. (2015). **Optimal Temperature for Radiofrequency Ablation of Lumbar Medial Branches for Treatment of Facet‐Mediated Back Pain.** *Pain Practice*.

**B. OTHER**

     Book Chapters

* S. Patrick Bender MD, **Mauricio Garcia Jacques M.D,MPH** *Ecocardiografia Emergente y Dinamica,* in *Medicina Intensiva en Cardiologia Critica,* Dr. Jose de Jesus Rincon Salas, Editor. 2013, ZarPra

**C. ABSTRACTS**

**2013** Calculation of the Cost Effectiveness Threshold of a Highly Desirable Preventive Intervention in Acute Lung Injury

Brigham and Women’s Hospital, New England Anesthesia Resident Conference

Best Abstract Presentation Finalist. Oral Presentation.

**2012** Expiratory Abdominal Rounding and its association to Heart Failure Exacerbation Fletcher Allen Medical Center, Burlington VT. (Best Poster Award)

**2012** Attributable Cost of Developing ARDS, a Matched Comparison of Cases and Controls of Patients at Risk of Acute Lung Injury

Harvard Anesthesia Research Poster Night, Boston MA

**2012** Expiratory Abdominal Rounding and its association to Heart Failure Exacerbation Harvard Anesthesia Research Poster Night, Boston MA.

**2011** Expiratory Abdominal Rounding and its association to Heart Failure Exacerbation Harvard Anesthesia Research Poster Night, Boston MA.

**INTERNATIONAL**

**2014** Preoperative White Blood Cell Count Is Strongly Associated With An Increased Risk Of Renal Failure And Mortality Among Patients Undergoing Cardiac Valvular Surgeries. Society of Cardiovascular Anesthesiologists 36111 Annual Meeting, New Orleans, LA

**2014** Correlation between Doppler Indices of Diastolic Dysfunction with Left Atrial Volume In The Perioperative Period.

Society of Cardiovascular Anesthesiologists 36111 Annual Meeting, New Orleans, LA

**2013** Attributable Cost of Developing ARDS, a Matched Comparison of Cases and Controls of Patients at Risk of Acute Lung Injury

Society of Critical Care Medicine 4211d Critical Care Conference, San Juan, Puerto Rico

**2012** Hemodynamic and End-Organ Effects of High PEEP Strategy Titrated to Transpulmonary Pressure; American Thoracic Society International Conference, San Francisco, Ca

**2012** Expiratory Abdominal Rounding and its association to Heart Failure Exacerbation American Thoracic Society International Conference, San Francisco, Ca