

MARIA LUISA GARCIA, M.D.

GENERAL AND NEUROSURGICAL ANAESTHESIOLOGIST

Tijuana, Baja California, Mexico

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EDUCATION

Doctor of Medicine Degree, M.D. With Honors (GPA 3.8), Universidad Anahuac, Mexico City, 1994-2000.

POST-GRADUATE TRAINING

Neuroanesthesiology (GPA 3.7). National Institute of Neurology and Neurosurgery. Mexico City. 3/2004-2/2006.

Neuroanesthesiology. Department Residents' chief. 3/2005-2/2006.

Fellow in Neurocritical Care Unit, in University Clinical Hospital's Santiago de Compostela, Galicia, Spain 3-6/2005.

Anesthesiology (GPA 4.0). National Institute of Medical Sciences and Nutrition. Mexico City. 3/2001-2/2004. Third level Hospital, well known for its **Bariatric's Center**.

Anesthesiology's Department Residents' chief. 3/2003-2/2004.

Surgical Residency & Internship: Clinica del Parque Hospital, Chihuahua, Mexico. 1998-1999.

PROFESSIONAL EXPERIENCE

Private General Anesthesia and Neuroanesthesiologist Practice in Tijuana, Mexico. 2006-Present.

Administer general, regional, local anesthetics, sedation, and awake patient neuroanesthesia.

Determine anesthetics to be used, considering such factors as patient's condition and operation to be performed.

Record observations while administering anesthetics.

Coordinate administration of anesthetics with surgeons during operation.

Maintain life support.

Manage anesthesiological services.

Manage neurofunctional monitoring.

Formulate plans and procedures for anesthesiological services.

Serve as consultant on anesthesiology. As well as for respiratory physiology problems, difficult airway management and ventilator management for intensive care facilities.

General Hospital Tijuana, Mexico, Anesthesiology's Department's Staff. 1-2014-present.

Education and Investigation Department's Chief of The General Hospital Tijuana, México, 11/2012-12/2013.

Anesthesiologist's Chief in The Anesthesiology's Department of The General

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Hospital Tijuana, Mexico, 2/2009-10/2012.

Professor of Anesthesiology's Speciality Course, Tijuana, México, 2/2009-2/2011.

Social Security Mexican Institute. Clinic 1. Anesthesiology's Department's Staff.

Tijuana, BC 7/2006-4/2007.

National Institute of Neurology and Neurosurgery. Subspecialty's Residency's Program. Mexico City. 3/2004-2/2006.

National Institute of Medical Sciences and Nutrition. Speciality's Residency's Program. Mexico City. 3/2001-2/2004.

Anesthesiology & Neuroanesthesiology (Residencies - under the supervision of experienced Neuroanesthesiologist and Anesthesiologist).

Administered anesthetic or sedation during medical procedures, using local, intravenous, spinal or caudal methods.

Monitored patient before, during, and after anesthesia and counteract adverse reactions or complications.

Monitored invasively critical patients.

In neurosurgery, provide neurofunctional monitoring, and performed awake patient neurosurgeries.

Provided and maintained life support and airway management, and helped prepare patients for emergency surgery.

Recorded type and amount of anesthesia and patient condition throughout procedure.

Examined patient, obtained medical history and used diagnostic tests to determine risk during surgical, obstetrical, and other medical procedures.

Decided when patients have recovered or stabilized enough to be sent to another room or ward or to be sent home following outpatient surgery.

AFFILIATIONS

World Federation of Societies of Anaesthesiologists (WFSA), membership 03-2006-present.

American Society of Anesthesiologist (ASA) membership, 01-2014-present.

Confederation of Latino American Societies of Anaesthesiology (CLASA), membership 03-2006-present.

Mexican Federation of Anaesthesiology, membership 03-2006-present.

Tijuana's Anesthesiologist College, membership 03-2006-present.

Tijuana Doctor's College, membership 03-2006-present. And member of its Academic Committee, 01-2014-present.

National Institute of Neurology and Neurosurgery's Graduates' Society, membership 03/2006-present.

National Institute of Medical Sciences and Nutrition's Graduates' Society, membership 03/2004- present.

CERTIFICATION

3/2012: Synod of Anesthesiologist's Certification Test. By Mexican Anesthesiology's Council. Tijuana, México.

3/2011: Synod of Anesthesiologist's Certification Test. By Mexican Anesthesiology's

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Council. Tijuana, México.

5/2009: RECERTIFICATION, BY MEXICAN ANESTHESIOLOGY'S COUNCIL AND MEDICAL NATIONAL CERTIFICATION'S COUNCIL. NUMBER 5782. Expiration on may 2014.

2/2004: MEXICAN ANESTHESIOLOGIST'S CERTIFICATION, BY MEXICAN ANESTHESIOLOGY'S COUNCIL, NUMBER. 5782. Expiration on may 2009.

SCIENTIFIC PUBLICATIONS

2/2013: Gonzalez, O. and **Garcia, M.** "**Comparative Analysis of the administration of low doses of Fentanyl vs lidocaine vs placebo to reduce the risk of cough during the anesthesia's induction time**". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Anesthesiology's Specialist, General Hospital Tijuana.

2/2013: Hernandez, R. and **Garcia, M.** "**Quality Evaluation of the Anesthesiology's Department**, during 2011". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Anesthesiology's Specialist, General Hospital Tijuana.

2/2013: Escobar, E. and **Garcia, M.** "Vaginal delivery after Csection. Experience in General Hospital Tijuana. Terminal Thesis' Tutor and Methodological Advice, to get the degree of Gynecology and Obstetrician's Specialist, General Hospital Tijuana.

2/2013: Zepeda, A. and **Garcia, M.** "**Inhospital Evolution of the patients diagnosed with acute heart attack, Experience in General Hospital Tijuana**". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Emergency's Specialist, General Hospital Tijuana.

2/2013: Espinosa, J. and **Garcia, M.** "Ecocardiographic's findings by FAST ultrasound and post surgical correlation in close abdominal trauma, experience in General Hospital Tijuana. Terminal Thesis' Tutor and Methodological Advice, to get the degree of Emergency's Specialist, General Hospital Tijuana.

3/2012: Reyes, V., Carrillo, A. and **Garcia, M.** "**Associated Factors with morbimortality in The Critical Care Unit's Patients, whose incoming from Emergency's Department**". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Emergency's Specialist, General Hospital Tijuana.

3/2012: De la Rosa, L., Avila V. and **García M.** "Which is the prevalence of the pelvic's organ's prolapse and its clinical manifestations in the Hospital General Tijuana's Population?". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Gynecology and Obstetrician's Specialist, General Hospital Tijuana.

3/2012: Orendain, S., García G. and **García M.** "**Overweight and obesity's effect in Mothers and products in General Hospital Tijuana**." .Terminal Thesis' Tutor and Methodological Advice, to get the degree of Gynecology and Obstetrician's Specialist, General Hospital Tijuana.

10/2011: Urrea, M. and **García, M.** "Scalpig's Blockade with Ropivacaine alone vs Ropivacaine plus clonidine, as adyuvant of analgesic management during trans and postoperative period in patients undergoing to supra or infratentorial neurosurgery". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Anesthesiology's Specialist, General Hospital Tijuana.

10/2011: Barron, L., Cordero E. and **García, M.** "Effectiveness of subarachnoid dexmedetomidina, in lower abdominal and lower extremities's surgery". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Anesthesiology's Specialist, General Hospital Tijuana.

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10/2011: De la Peña, I., Cordero E. and **García, M.** "Comparison between general intravenous anesthesia vs conscient's sedation in uterus's drain and curettage". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Anesthesiology's Specialist, General Hospital Tijuana.

1/2011: Martínez, V., Carrillo A. and **García M.** "Cetoacidosis evolution in Emergency's Department in General Hospital Tijuana" Terminal Thesis' Tutor and Methodological Advice, to get the degree of Emergency's Specialist, General Hospital Tijuana.

1/2011: Pérez, R., Carrillo A. and **García M.** "Spontaneous Brain's Hemorrhage associated to High Blood Pressure in the Emergency's Department, Hospital General Tijuana. Terminal Thesis' Tutor and Methodological Advice, to get the degree of Emergency's Specialist, General Hospital Tijuana.

1/2011: Velez, C., Carrillo A. and **García M.** "Resuscitation Area in the Emergency's Department. How does it work?". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Emergency's Specialist, General Hospital Tijuana.

1/2011: García, J., Carrillo A. and **García M.** "Central Vein's Catheterization, Immediate Complications in Emergency's Department, Hospital General Tijuana". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Emergency's Specialist, General Hospital Tijuana.

2/2010: Mercado M., **García M.** "Comparison of Effectivity, analgesia and length of the subarachnoid block with Bupivacaina plus Fentanilo in Csection in patients drug-addicted vs no drug-addicted". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Anesthesiology's Specialist, General Hospital Tijuana.

2/2010: Carloz, J., **García M.** "Perioperative Morbimortality in diabetic patients undergoing to lower extremity amputation, in General Hospital Tijuana, in the period between 2006-2008". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Anesthesiology's Specialist, General Hospital Tijuana.

2/2010: Gutiérrez, E., Carrillo A. and **García M.** "Tomographic Findings in patients with cranoencephalic trauma, in Emergency's Department of the General Hospital Tijuana". Terminal Thesis' Tutor and Methodological Advice, to get the degree of Emergency's Specialist, General Hospital Tijuana.

9/2007 **García M.** Chapter: Neurofunctional Monitoring. Annual Refresher Course of European Federation of Anesthesiology's Learning, pp 25-33.

6/2007 **García M.** Chapter: Intravenous liquids and electrolites in Neurosurgery. Neuroanesthesia and Neurological's Critical Care. Editorial Afil, 2007, 1st edition, pp 91-7.

3/2007 **García M.** Chapter: Intravenous liquids in Neurosurgery. In Anesthesiologist's Mexican Clinics. Jan-mar 2007, 3:71-81.

9/2005 **García M.** Preictus biespectral index coorrelated positively with the duration of the electroconvulsive therapy comparing propofol vs sodic thiopental. Thesis publication.

9/2003 **García M.** Perioperative's Risks Factors related with Acute Respiratory Distress Syndrome in post-esophageal's surgery patients. Thesis publication.

6/2003: **García M.** Postpunction Cephalea in HIV positive patients. Rev. Mex. Anest. 2003. 26(2).

9/2002: **García M.** Perioperative's Risks Factors related with Acute Respiratory Distress Syndrome in post-esophageal's elective surgery patients. Anesthesiologist Mexican Federation. XXXVI Anesthesiologist Mexican Congress.

9/2002: **García M.** Muscle Relaxants' metabolism as predictor of early hepatic function during orthotopic liver transplantation. Summaries in The XXXVI Anesthesiologist Mexican Congress.

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6/2002: **Garcia M.** Application of the dynamic concept of Sepsis progression in anesthesia patients. An epidemiological focus. Rev. Mex. Anest. 2002. 25 (2): 94-100.
8/2002: **Garcia Perez Maria Luisa.** Orotracheal Intubation and Difficult Airway management. Manual of Procedures in the Critical Care Patient. INCMNSZ.
11/2001: **Garcia M.** Transtracheal Jet Ventilation, by supraglottic airway with tube's interchanger in severe tracheal stenosis. Case Presentation and literature analysis. XXXV Anesthesiologist Mexican Congress.

CONFERENCES & COURSES

3-2014: **Course: Networks in Anesthesiology, for laparoscopic surgery.** Guadalajara, Mexico. Attendance Certificate.
2-2014: **Speaker: "Quality in Anesthesia",** Performed in Tijuana's Anesthesiologist College.
11/2013: **Course-workshop: Guidelines for Good Clinical Practice. Based on International Conference on Harmonization (ICH) of Technical Requirement for Registration of Pharmaceuticals for Human Use.** General Hospital Tijuana, Accreditation and approval.
10/2013: **American Society of Anesthesiologist, 2013 Annual Meeting, CME Credit and Attendance Certificate. Awarded 15.5 AMA PRA Category 1 credit.**
8/2013: **Course: Advance Support in Acute Pain,** Endorsed by The Mexican Association for the Study and Treatment of Pain, IASP, Chapter Mexico. **Accreditation and approval. Expiration 8-2016.**
2/2013: **Speaker: "Anesthetic Management of the Obese Patient".** Performed in the IV General Hospital Tijuana Congress.
2/2013: IV General Hospital Tijuana Congress. Coordinator and attendance certificate.
2/2013: 1st On Line Congress of The Mexican Federation of Anaesthesiology. Accreditation. (30 hours, 3 points for recertification's purpose).
10/2012: **UCSD Perioperative Ecocardiography Visiting Preceptorship at Thornton Hospital, La Jolla CA. Awarded with 31,0 AMA PRA Category.**
2/2012: III General Hospital Tijuana Congress. Attendance certificate.
2/2012: **ACLS Provider Re-Certification by American Heart Association. Expiration 2/2014.**
3/2011: **Speaker: "Role of the Neuroanesthesiology in the Medicine",** in The Medical College of Tijuana.
6/2011: **Speaker: "Thromboprophylaxis in obesity patient",** performed in 1st Course of Current Affairs in Perioperative Medicine, Certified by the Mexican Federation of Anesthesiology and The Tijuana's Anesthesiology's College.
2/2010: **Lecturer: Organ Donor Treatment,** Conference performed in 1st Congress of Hospital General Tijuana.
12/2009: **Speaker: Anesthesia for Obesity Surgery; Gastric Sleeve's Minifellowship.** Certified by The Mexican Society of Endoscopic Surgery.
11/2009. **Speaker: Neuroanesthesia monitoring.** Conference performed in XLIII Mexican Anesthesiology Congress.
11/2009. **Speaker: Organ Donor Treatment.** Conference performed in XLIII Mexican Anesthesiology Congress.
11/2009. **Speaker: Neurofunctional monitoring.** Conference performed in XLIII Mexican Anesthesiology Congress.

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11/2009. Speaker: New neuroprotection strategies. Conference performed in XLIII Mexican Anesthesiology Congress.

6/2009. ACLS Provider Re-Certification by American Heart Association.

4/2009. Speaker: Anesthesia for Obesity Surgery; Gastric Band's Minifellowship. Certified by The Mexican Society of Endoscopic Surgery.

2/2009. Speaker: Anesthesia for Obesity Surgery; Gastric Sleeve's Minifellowship. Certified by 2/2009. The Mexican Society of Endoscopic Surgery.

12/2008. Speaker: Anesthesia for Obesity Surgery; Gastric Band's Minifellowship. Certified by The Mexican Society of Endoscopic Surgery.

6/2008. Speaker: Anesthesia for Obesity Surgery; Gastric Band's Minifellowship. Certified by The Mexican Society of Endoscopic Surgery.

5/2008. Speaker: Management of Muscle Relaxants in Bariatric Surgery; Northwestern Region Anesthesiology's Course. Certified by The Mexican Federation of Anesthesiology.

5/2008. Speaker: Anticoagulation in Bariatric Surgery; Northwestern Region Anesthesiology's Course. Certified by The Mexican Federation of Anesthesiology.

3/2008. Speaker: Anesthesia for Obesity Surgery; Gastric Band's Minifellowship. Certified by The Mexican Society of Endoscopic Surgery.

12/2007. Speaker: Anesthesia for Obesity Surgery; Gastric Band's Minifellowship. Certified by The Mexican Society of Endoscopic Surgery.

11/2007. Speaker: Anesthesia for Obesity Surgery; Gastric Sleeve's Minifellowship. Certified by The Mexican Society of Endoscopic Surgery and The Obesity's Surgery Mexican Society.

10/2007. Speaker: Anesthesia for Obesity Surgery; Gastric Band's Minifellowship. Certified by The Mexican Society of Endoscopic Surgery.

9/2007. Speaker: Anesthesia for Patients with Neuromuscular Diseases. Annual Refresher Course of European Federation of Anesthesiology's Learning.

9/2007. Speaker: Neurofunctional Monitoring. . Annual Refresher Course of European Federation of Anesthesiology's Learning.

4/2007. Speaker: Neuroprotection Strategies; academic sessions. Tijuana's Anesthesiologist College.

9/2005. 2nd. Monographic International Course of Trans-surgical monitoring. Certified by the Mexican Society of Neurophysiology. Attendance Certificate.

6/2005. Mexican Annual Anaesthesiologist Congress. Attendance Certificate.

2/2005. Fundamental Critical Care Support (FCCS). Approval and attendance certificate.

11/2004. 5th Congress of Critical Medicine and Anesthesia. Attendance Certificate.

5/2004. Difficult airway management; workshop coordinator. Mexico.

9/2002. Anesthesiologist Mexican Congress. Case presentation: Perioperative's Risks Factors related with Acute Respiratory Distress Syndrome in post-esophageal elective surgery patients.

11/2001. Anesthesiologist Mexican Congress. Case presentation: Transtracheal Jet Ventilation by supraglottic airway with tube's interchanger in severe tracheal stenosis.

2/2001. Acute Cardiopulmonar Life Support (ACLS). Approval and attendance certificate.

6/1998. Advanced Trauma Life Support (ATLS). Approval and attendance certificate.

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LANGUAGES

Fluent in Spanish. English 95% (TOEFL 595).

DATE: May 27, 2014.

SIGNATURE:  _____