

2402 Cornerstone Blvd.

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## CURRICULUM VITAE

# RAUL A. MARQUEZ, M. D.

Orthopedic Surgeon  
Specializing in Sports Medicine & Total Joint Reconstruction

**Date of Birth:** July 8, 1955  
**Place of Birth:** Mexico City, Mexico  
**Languages:** English, Spanish, Italian

**Education:** M.D., La Salle University  
Mexico City, Mexico, 1978

**Training:** Internship, American British Cowdray Hospital  
Mexico City, Mexico  
July 1, 1977-June 30, 1978  
Residency, Orthopaedic Surgery, University of Toronto  
Toronto, Canada  
July 1, 1981-June 30, 1986  
Research Fellowship, Department of Orthopaedic  
Orthopaedic Surgery/ Spinal Cord Monitoring  
Neurophysiology  
Gordon Armstrong, MD  
University of Ottawa, Canada  
Ottawa Civic Hospital  
July 1, 1980-June 30, 1981

**Academic Appointments:** Cornerstone Regional Hospital  
Chief of Staff, October 1998  
Board of Managers President, 1998-Current  
Edinburg, Texas  
Edinburg Medical Hospital  
Chief of Surgery, January 1994  
Edinburg, Texas  
Midwest Medical Center  
Vice Chairman of Orthopedic Department  
Indianapolis, Indiana  
May 1988-1992  
St. Vincent Hospital  
Indianapolis, Indiana  
May 1988-1992  
Humana Hospital  
October 1986-1990  
Mexico City, Mexico  
German Diaz Lombardo Hospital  
Chief of Teaching Department  
August 1986-September 1987  
Mexico City, Mexico

**Private Practice  
Associates:**

George F. Rapp, M.D.  
Edinburg, Texas  
May 1988—1992  
Solo Practice, Ortopedia y Traumatologia  
Ave. Benjamin Franklin  
Mexico City, Mexico  
October 1987– April 1988  
Eduardo Luque, M. D.  
Nelson Cassis, M.D.  
Mexico City, Mexico  
August 1986—September 1987

**Professional  
Activities:**

Research Fellowship, Orthopaedic Surgery/Spinal Cord Monitoring  
E. H. Simmons, MD  
University of Toronto, Canada  
Toronto East General Hospital  
July 1, 1981—June 30, 1982  
Research Fellowship, Department of Orthopaedic  
Orthopaedic Surgery/ Spinal Cord Monitoring  
Neurophysiology  
Gordon Armstrong, MD  
University of Ottawa, Canada  
Ottawa, Civic Hospital  
July 1, 1980—June 30, 1981  
Social Service, Medical Department of Investigation and Teaching  
American British Cowdray Hospital  
Mexico City, Mexico  
July 1, 1978—June 30, 1979

**Professional  
Societies:**

The American Association of Orthopaedic Medicine  
Texas Society of Sports Medicine  
Ontario Medical Associates  
Academy of Medicine– Toronto, Canada  
Asociacion Medica La Salle  
Marion County Medical Society  
American Medical Association  
Seventh District Medical Society  
The American Fracture Association Member  
Publications Committee  
Intra– American College of Physicians and Surgeons  
Southern Medical Association  
Hidalgo—Starr County Medical  
American College of Healthcare Executives,  
ACHE, March 2008  
American Board of Forensic Medicine  
American College of Forensic Examiners  
Arthroscopy Board of North America

**Professional  
Activities:**

American Back Society  
American Academy of Pain Management/ Diplomat  
OMNI Physician's Association  
National Board Member Arthritis Foundation, March 2003  
Sports Medicine Association of South Texas  
    President 1992-1994  
Mexican Board of Orthopaedics and Traumatology  
    March 1987

**Professional  
Societies:**

Indiana State Medical Association  
International Intradiscal Therapy Society  
Texas Medical Foundation  
The American Academy of Neurological & Orthopaedic Surgeons  
    (Fellow)

**Related  
Experience:**

Designated Physician, State of Texas TWCC  
    Recertification August 1999  
Sports Authority Rio Grande Valley  
    Appointed June 1999  
Assistant, Physician Assistant Studies Program  
    University of Texas Medical Branch at Galveston  
    1992– Current  
Team Physician, Professional Soccer Team  
    CHIVAS, Guadalajara, Jalisco, Mexico  
    Current  
    UT Pan American Broncs  
    PSJA Alamo North Raiders  
    PSJA South Bears  
    Mission Eagles  
    La Joya Coyotes  
    Rio Grande City Rattlers  
    Roma Gladiators  
    Indianapolis Indiana, 1988—1992  
Physician Consultant for:  
    Edinburg Bobcats  
    Edinburg North Cougars  
    Edcouch Elsa Yellow Jackets  
    Donna Redskins  
    Current  
Education Committee, St. Vincent Hospital  
    1991  
Orthopaedic Consultant, Peruvian Air Force Central Hospital  
    Fuerza Aerea Del Peru, August 1991

**Related Experience:** Translator, “Patient Education” video  
Indianapolis, Indiana  
March 1988  
National Examination of Medical Knowledge  
November 1979  
Mexico City, Mexico  
Evaluating Examination of the Medical Council of Canada  
January 1980  
ECFMG, January 1982  
Anatomy Instructor  
University of Toronto  
July 1981—December 1981

**Licensure & Certifications:** Texas, U.S.A., No. J1302 June 17, 1992  
Mexico, No. 604521 March 24, 1980  
Indiana, U.S.A., No. 01036674 April 21, 1988  
Board Certified by Consejo Mexicano De Ortopedia  
& Traumatologia, A.C., Mexico, DF, March 1987  
Board Certified by Arthroscopy board of North America  
Board Certified Fellow American Academy of Neurological  
& Orthopaedic Surgeons, July 4, 1993  
Board Certified, Diplomat-American Academy of Pain Mgmt.  
Recertification AANOS, November 1998  
Advanced Trauma Life Support  
Federal Licensing Examination, June 1983

**Awards:** Aesculap Implant Systems Recognition Award  
500 Navigated Joints  
May 2010  
Aesculap Implant Systems Recognition Award  
International OrthoPilot Navigation Reference Center  
Best Practices and Expertise in using the OrthoPilot  
Navigation System  
August 13, 2007  
B. Braun Recognition Award  
100 Navigated Columbus Knee Endroprostheses  
February 2007  
Physician Recognition Award/ American Medical Association  
January 1989  
Honorary Member AMOT, Asociasion Mexicana de Ortopedia  
& Traumatologia

**Publications:** “Rackytanski Kuster Hauser Mayer Syndrome”: A Presentation of  
Three Cases: Marquez, R. A. , Moreno, R. Rubio, B., Annals of  
the American British Cowdray Hospital, Mexico City, Mexico,  
April 1980  
“Spinal Cord Monitoring: An alternative Method” Marquez, R.A.,  
Armstrong, G. W., Ottawa Civic Hospital Journal, May 1981.

**Publications:**

- “An Analysis of the Indications and Results of Dwyer instrumentation of the Spine for Treatment of Idiopathic Scoliosis” Marquez, R, Simmons, E.H., Johnson, J.R., Orthopaedic Transactions, “Spasmodic Torticollis”  
Marquez, R.A., Simmons, E.H., Orthopaedic Transactions, Vol. 7 No. 1, Spring, 1983, p 122.
- Spanish Translation of “ Patient Education Booklet”: by Dr. Eugene Norby, Published by Boots Co. PLC, 1989
- “Carbon Dioxide Laser Arthroscopy”: A new Dimension in Knee Surgery  
Duckworth, Monica, R.N., C.N.O.R., Marquez, R.A. AORN, Vol. 54, No. 4, October 1991.
- “Arthroscopic Surgery”  
Marquez, R. A., Surgical Laparoscopy and Endoscopy, Vol. 2, No. 1, 1992.
- “Arthroscopic Laser Surgery: Clinical Applications”: 10.6 mm CO<sub>2</sub> Arthroscopic Laser Surgery of the Knee: Practical and Useful Applications, Raul Marquez, M.D., Springer-Verlag New York, Inc., Edited by Allen T. Brillhart, M.D., 1995. Chapter 30.
- “Mobile Bearing Knee-New System”, Raul Marquez, M.D., Orthopedics Today, Volume 19, Number 8, August 1999  
High School Sports Magazine 1999
- “Surgical Technique– Total Knee Arthroplasty”  
Designer Surgeon, Raul A. Marquez, M.D.  
Encore RAM TKA  
March 2001, Austin Texas

**Presentations:**

- Faculty: “Streamlining Navigation Applying MIOS Technique”  
Total Knee Implantation Training 2009, Aesculap Orthopedics Edinburg, Texas, April 2009
- Faculty: “Streamlining Navigation Applying MIOS Technique”  
Knee Expert Training 2007, Aesculap Orthopaedics Vianna, Austria, July 5-6, 2007
- Lecturer: Tehcnological Advances in total Joint Arthroplasty  
“RAM MBR: Acomparision prospective study of three types of Mobile Bearing Knees”  
San Jose del Cabo, Los Cabos, Mexico, Nay 2004
- Lecturer: Arthritis Foundation, “Arthritis and Joint Replacement Surgery”  
McAllen, Texas, June 17, 2001
- Faculty: Twelfth International Symposium on Joint Reconstructin, “Modular Total Knee System”  
Presented at Laguan Niguel, California, April 2001

**Presentations:**

- Lecturer: The Spectrum of Orthopaedics, "Mobile Bearing Knee"  
Presented at Vail, Colorado, January 2001
- Lecturer: Bio Mechanical Principles in Total Knee Arthroplasty/  
Mobile Bearing Knee  
Presented at Saudi Arabia, October 2000
- Lecturer: The Spectrum of Orthopaedics, "Trauma and Spine"  
Mobile Bearing Knee Concepts  
Hilton Head, South Carolina, April 2000
- Lecturer: "10th Medical Conference", Dr. Fernando Hiromuro CICOM  
2000; Guadalajara, Jalisco, January 2000  
Lecture: I. Osteochondral Transfers, New Concepts  
II. Meniscal Transplants
- Lecturer: "Meniscal Transplant and Arthroscopic Treatment of the  
Knee Pathologies"  
International Arthroscopy Congress, Feb. 1999
- "Osteochondral Transfers/ A Useful Alternative"  
International Congress of Knee Surgery, June 1997
- Surgical Solutions Seminar  
"Total Knee Arthroplasty: Cemented or Press-fit", November  
1996; Presented at Knee Society, Cancun Mexico
- "Anterior Cruciate Ligament Repair", August 1995  
Patellar Tendon vs. Hamstrings Reinforced  
Presented by AAONOS
- Lecturer: "Sports Medicine Update"; May 1994  
Presented at Licensed Vocational Nurses' Association of Texas
- Lecturer: "Knee Injuries"  
First Annual Sports Medicine Association of South Texas  
July 31, 1993
- "Sideline Manners in Sports Medicine"  
Presented at the First Annual Sports Medicine Association  
Of South Texas, July 31, 1993
- "The U.S. Olympic Team Experience: A Model for Sports Medicine"  
Continuing Medical Education Course  
U.S. Olympic Committee, January 1992
- "Sports Medicine Update, 1992"  
Presented at Licensed Vocational Nurses' Association of Texas
- " Laser Arthroscopic Surgery, Does it Work?" 258 Cases  
Peruvian Air Force Hospital, August 1991
- "Meniscal Tears-Should They All be Repaired?"  
General Hospital, Mexico City, Mexico, September 1991
- "Anterior Cruciate Ligament Repair-An Intraarticular Technique"  
Peruvian Orthopaedic Society  
Lima Peru, August 1991

**Presentations:**

- “Diagnostic and Therapeutic Arthroscopy”  
Advanced Laparoscopic Surgery, The International Experience  
Indianapolis, Indiana, May 1991
- “Arthroscopic Surgery– A New Perspective”  
St. Vincent Hospital, Indianapolis, Indiana, April 1990
- “Surgical Treatment of Spinal Deformities”  
St. Vincent Hospital, Indianapolis, Indiana, June 1990
- “Laser Arthroscopy Update”  
Association of Operation Room Nurses  
Indianapolis Chapter, November 1990
- “Arthroscopic Surgery of the Knee”  
Shriners Hospital for Crippled Children,  
Mexico City, Mexico  
October 1990
- “Arthroscopic Surgery of the Elbow”  
Shriners Hospital for Crippled Children,  
Mexico City, Mexico  
October 1990
- “Long Term Prognosis of Os-Calcis Fractures”  
Presented at Kennedy Day  
May 1985, University of Toronto, Canada
- “Failed Acromioplasty: A Critical Analysis”  
Presented at Kennedy Day  
May 1986, University of Toronto, Canada
- “Docotrs Teaching Course in Chymonucleolysis”  
Atlanta, Georgia-Oct 1987 & March 1988  
Published by the International Intradiscal Therapy Society
- “CO2 Laser in Arthroscopic Knee Surgery”  
Synergy, 1989-1992
- “Spasmodic Torticollis”  
Presented at the Cervical Spine Society  
December 4, 1982, New York
- “An Analysis of the Indications and Results of Dwyer Instrumentation  
Of the Spine for Treatment of Idiopathic Scoliosis”  
Presented at ht he Spine for Treatment of Idiopathic Scoliosis,  
Scoliosis Research Society  
September 25, 1982 Denver, Colorado
- “Spinal Cord Monitoring: An Alternative Method”  
Seventh Annual Clinical Day of Ottawa Civic Hospital  
May 1981, Ottawa Ontario

**Chief Designer:**

- I. Navigation Technique for OrthoPilot System, Columbus Total Knee  
Arthroplasty, 2006-Present
- II. Mobile Bearing Total Knee Replacement, Cornerstone Knee  
Developed in conjunction with Encore Orthopaedics  
Austin, Texas 1999

**Community Outreach:** Host: "Your Active Life", Television Educational Community Program  
KGBT4, Rio Grande Valley  
August 2007-Dec 2007  
Host: "Tu Vida Activa", Spanish Television Educational Community Program, XERV Televisa, Rio Grande Valley  
August 2007-Dec. 2007  
HOPE International - Haiti  
Volunteer after January earthquake  
Feb. 13-19, 2010