

**J. ANTONIO ALDRETE, MD**  
**1 Perimeter Park South, Birmingham, AL 35243**  
**Mailing address: 2213 Sterlingwood Drive, Birmingham, AL 35243**  
**PHONE: (205)968-0068 FAX: (205) 968-8100**

**CURRICULUM VITAE**  
**J. ANTONIO ALDRETE, M.D., M.S.**

**PERSONAL**

Address: 2213 Sterlingwood Drive  
Birmingham, Alabama 35243  
Telephone: 1-800-978-0068  
Date of Birth: February 28, 1937

**EDUCATION AND CERTIFICATIONS**

1953 BS - University Center of Mexico, Mexico City  
1960 MD - National University of Mexico, Mexico City  
1967 MS - University of Colorado, Boulder CO  
1967 Board Certification – Anesthesiology  
1993 Certificate of Continued Demonstration of Qualification Awarded by American Board of Anesthesiology  
1993–2003 Certificate of Added Qualifications in Pain Management Awarded American Board of Anesthesiology

**INTERNSHIP**

1960-1961 Rotating Internship, St. Joseph Hospital, Flint, MI

**RESIDENCY**

1961-1962 Surgical Resident, Mercy Hospital, Denver, CO  
1962-1963 Surgical Resident, Charleston General Hospital, Charleston, WV  
1963-1965 Anesthesiology Resident, University Hospital of Cleveland, Cleveland, OH  
1965-1966 Anesthesiology Resident, University of Colorado Medical Center, Denver, CO

## **PROFESSIONAL SOCIETIES**

American Society of Anesthesiologists, 1963-2007  
Colorado Society of Anesthesiologists, 1965-1980  
American Medical Association, 1966-1968  
International Anesthesia Research Society, 1966  
Mexican Society of Anesthesiology, 1967  
American Society for the Advancement of Science, 1968  
Federation of Clinical Research, 1969-1986  
Federation of Clinical Researchers, 1969-1981  
Florida Association of Anesthesiologists, 1989  
Southern Medical Association, 1970-1986  
    Secretary, Anesthesiology Section, 1971  
    President, Anesthesiology Section, 1972  
American Geriatrics Society, 1971-1973  
Pan American Medical Association, 1972  
Society of Academic Anesthesia Chairman, 1972-1980  
Association of University Anesthesiologists, 1973-Present  
American Association of University Professors, 1973  
Transplantation Society, 1976-1981  
American Society of Regional Anesthesia, 1976  
New York Academy of Sciences, Active Member, 1977  
Sigma Xi (Research Society of North America), 1977  
The European Society of Regional Anesthesia, 1982-1985  
Closed and Low Flow Anesthesia Systems Society, 1984-1987  
American Society for Magnesium Research, 1985-1990  
Society for Education in Anesthesia, 1986-1990  
American Society of Critical Care Anesthesiologists, 1987-1991  
American Academy of Pain Management, 1989-1995  
American Society of Addiction Medicine, 2007-Present  
International Anesthesia Research Society, 2008-Present

## **NATIONAL PROFESSIONAL ACTIVITIES**

### **Committee Memberships and Special Activities:**

Veterans Administration Hospital, Denver, CO:  
    Drug and Therapeutic Committee, Chairman  
University of Miami School of Medicine:  
    Transplant Committee  
    Drug and Therapeutics Committee  
American Society of Anesthesiologists:  
    Committee on Panels, 1972  
    Committee on Medical Audit, 1972  
    Committee on Medical Schools, 1973-1975  
    Chairman, 1974-1975, 1978, 1979  
    Art Exhibit Committee, Chairman, 1977-1979

## **NATIONAL PROFESSIONAL ACTIVITIES (cont'd)**

Kentucky Medical Association:

Committee on Scientific Exhibits, 1972-1975

Norton Memorial Infirmary, Credentials Committee, 1974

Ecuadorian Society of Anesthesiologists, Honorary Member, 1974

University of Louisville School of Medicine:

Space Utilization Committee, 1971-1972

Promotions Committee, 1971-1972

Curriculum Committee, 1971-1972

Medical Council, 1971-1972

Dean's Committee, VA Hospital, 1971-1975

Search Committee, Dean School of Medicine, 1973

Search Committee, Pharmacology Chairman, 1973

Committee on Emergency Medicine Structure, 1973

Continuing Medical Education Committee, 1973-1975

Student Admissions Committee, 1974-1975

Executive Committee, Humana Hospital, Destin, FL, 1991-1993

Committee on Pain Medicine, Florida Society of Anesthesiologists, 1994-1997

Executive Committee, Walton Regional Hospital, 1998-1999

Editorial Board, *Revista de la Sociedad Española del dolor*, 1999-present

### **Editorial Reviewer for:**

*Science*, 1978-1986

*Anesthesia and Analgesia*, Current Researches, 1976-1984

*Southern Medical Journal*, Anesthesiology, 1980-1986

*Journal of Clinical Anesthesia*, 1993-Present

*Acta Anaesthesiologica Scandinavica*, 1997-Present

*Revista Española de Dolor*, 1997-Present

*Pharmacology Research*, 2003-Present

*Revista Mexicana de Anestesiología*, 2004-Present

**Examiner:** American College of Anesthesiologists, 1972-1978

Vocal Suplente, Instituto Politécnico nacional Escuela superior de Medicina,

Sección de estudios de posgrado e investigación, México D.F., México,

December 5, 2006

### **University of Colorado Medical Center:**

Executive Committee of the Executive Faculty, 1975-1980

Executive Committee, Medical Board, 1975-1980

Dean's Committee, V.A.H., 1975-1980

Chairman, O.R. Committee, 1975-1980

Director, O.R. Services, 1975-1980

Medical Center Faculty Council, 1977-1980

Medical School Admissions Committee, 1976-1977

Faculty Assembly Council, 1978-1980

Faculty Practice Fund Committee, 1978-1980  
Curriculum and Promotions Committee, 1978-1980  
Dean's Search Committee, June 1978

#### **OTHER PROFESSIONAL ACTIVITIES:**

Consultant, Dreyfus Medical Foundation, 1979-1982  
Consultant, *Pharmacia*, 1980-1984  
Editorial Board of *Anesthesiology News*, January 1980-Present  
Editorial Board of *Current Reviews for Recovery Room Nurses*, January 1979–  
September 1983  
Editorial Board, *E.R. Reports*, January 1983-1986  
Editorial Board, *Revista A.M.E.R.A. Anestesiología* (Spanish), 1981-1983  
Consultant to State District Attorney of Colorado, 1980-1982  
Chief Editor, *The Circular*, 1984-1989  
Consultant, Hotline of Medic Alert Foundation on behalf of MHAUS, 1984-1993  
Executive Committee, Humana Hospital, Destin, FL, 1990-1992  
Editorial Board, *Revista Mexicana de Anestesiología*, 1984-1988  
Editorial Advisory Board, *American Journal of Pain Management*, 1992-1995  
Pain Program Accreditation (On-Site Reviewer), American Academy of Pain  
Management, 1992-1996  
President, Foundation for the Advancement of Arachnoiditis, 1996-Present  
Editorial Board, *Revista Española de Dolor*, 1997-Present  
Invitado extranjero en el Comité de Redacción de la Revista Argentina de  
Anestesiología

#### **OTHER HONORS**

Fellow, American College of Anesthesiologists, 1965  
Diplomat, American Board of Anesthesiologists, 1967  
Foreign Correspondent, Sociedad Mexicana de Anestesiología, 1967  
Honorary Member, “Consejo Mexicano de Anestesiología, A.C.,” Mexico City, Mexico,  
1976-Present  
Foreign Correspondent, Anesthesiology Society of Chile, 1977  
II District, Population Action Group  
Foreign Correspondent, Revista Argentina de Anestesiología, 1980  
Honorary Member, Sociedad Panamena de Anestesiología, 1981  
Extraordinary Professor, University of Barcelona, 1982  
Honorary Head, Division of Anesthesiology of the Department of Surgery at  
Faculdade de Ciências de Santa Casa de Sao Paulo, 1983  
Honorary Member, The Salvadorean Society of Anesthesiology, 1983  
Founder, The Closed and Low Flow Anesthesia Society, 1984-1989  
Editor-in-Chief, *The Circular*, 1984-1989  
Notable Names in Anesthesia, 2002.  
Editorial Board *Revista Mexicana de Anestesiología*, 2004  
1° Jornada Internacional de Educacion en Anestesia “Dr. Jorge Antonio Aldrete”,  
Universidad Catolica de Santiago de Guayaquil, Guayaquil, Ecuador, May 14 – 15, 2004.

## **OTHER HONORS (cont'd)**

MacMartin Klobucha C: Jorge Antonio Aldrete, MD, MS: Pioneering Anesthesiologist continues to shape his field. *Anesthesiology News* January 2005.

Senior disability analyst and diplomate, American Board of Disability Analysts, 2005

Doctor Honoris causa Universidad de Buenos Aires, Buenos Aires, Argentina, 2005

Miembro Honorario Extrajero Nacional Academy of Medicine “Buenos Aires”, Buenos Aires, Argentina, 2005.

Premio al Mérito Científico “Acad. Dr. Gonzalo Castañeda” segundo lugar por trabajo “Evaluación de la neurotoxicidad producida por la administración crónica subdural, del agonista de los receptores adrenérgicos: alfa 2 (clonidina) en ratas tipo Wistar”. Academia Mexicana de Cirugía, México D.F. Mexico, October 13, 2005.

J. Antonio Aldrete Award for Excellence in Pain Medicine, annual reward given at the University of Alabama at Birmingham, Birmingham, AL, 2006.

## **SPECIAL MISSIONS**

Leader, Medical Group to assist the Mexican Red Cross after the 1985 Earthquake

Leader, Medical Group to assist the Salvadorean Red Cross after the 1986 Earthquake

Leader, Transfer of Medical Supplies and Equipment from Colorado Medical Society to the Secretaria de Salubridad in Mexico after the destruction of hospitals in the 1985 Earthquake

## **SPECIAL ASSIGNMENTS**

Sabbatical Leave: University of Uppsala and Pharmacia Laboratories, Uppsala, Sweden. June to November, 1980.

Sabbatical Leave: Katholieke Universiteit of Nijmegen, Nijmegen, The Netherlands. August to December 1982.

Sabbatical Leave: Hospital Italiano, Buenos Aires, Argentina. April to May, 1984.

## LECTURES AND PRESENTATIONS

Ohio Medical Society, Cleveland, Ohio: "Management of the Asthmatic Under Anesthesia," May 26, 1966.

American Society of Anesthesiologists, Philadelphia, Pennsylvania: "Effects of Prolonged Inhalation of Hydrocarbon Gases on the Hemopoiesis of Rats," October 4, 1966.

International Anesthesia Research Society Congress, Miami, Florida: "Prolonged Inhalation of Inert Gases by Rats," March 6, 1967.

XIII Mexican Congress of Anesthesiology, Acapulco, Mexico: "Efectos de la Inhalación Prolongada de Gases Anestésicos Sobre el Sistema Hematopoyético," November 4, 1967.

VII Congress of Spanish Hospital, Mexico City: "Anesthetic Management and Metabolic Care of Patients Undergoing Liver Transplantation," November 1, 1968.

XIV Mexican Congress of Anesthesiology, Acapulco, Mexico: "Anesthesia Para Asmáticos," November 1, 1968.

43<sup>rd</sup> Congress of International Anesthesia Research Society, Miami, Florida: "Experiences in Anesthesia for Liver Transplants," March 4, 1969.

Gineco Obstetric Hospital, Centro Médico Nacional, Mexico City, Mexico: "Allergy to Local Anesthetics," April 25, 1969.

General Hospital of the Centro Médico Nacional, Mexico City, Mexico: "Anesthetic Techniques for Patients Undergoing Liver Transplants," April 29, 1969.

General Hospital of the Centro Médico Nacional, Mexico City, Mexico: "Anesthesia for Patients Receiving Organ Transplants," May 3, 1969.

University of Nebraska, Omaha, Nebraska: "Allergy to Local Anesthetic Drugs," June 14, 1969.

Sociedad Mexicana de Anestesiología, Mexico City, Mexico: "Uso del Óxido Nitroso a Una Milla de Altura" and "Transtornos Ácido Básicos y Hemodinámicos Durante Transplantes Hepáticos en el Humano," September 7, 1970.

Centro Médico La Raza, Mexico City, Mexico: "Valoración de la Recuperación Post-Anestésica" and "Utilidad del Magnesio en el Manejo de la Paciente Toxémica," September 10, 1970.

Sociedad Mexicana de Anestesiología, Mexico City, Mexico: "Hiperpirexia e Hiper-Rigidez Trans-Anestésicas," September 10, 1970.

## LECTURES AND PRESENTATIONS (cont'd)

Southern Medical Association, Anesthesiology Section, Dallas, Texas: "Evaluation of Patients with Allergy to Local Anesthetics," November 16, 1970.

Sixth Annual Advanced Practical Course in Emergency Care and Transportation of the Sick and Injured: "Drowning—Emergency Care," Miami Beach, FL, December 4, 1970.

Coloquio Latinoamericano, Department of Anesthesiology, University of Miami, Miami, Florida: "Prevención de la Insuficiencia Respiratoria Post-Anestésica Inmediato" and "Accidentes por Anestésicos Locales," January 13, 1971.

Biennial Cataract Surgical Congress: "New Medications and Techniques for Local and General Anesthesia for Cataract Surgery," February 10, 1971.

Southern Society of Anesthesiologists, Houston, Texas: "Prevention of Hypoxemia During the Immediate Postoperative Period," March 4, 1971.

Association of University Anesthetists: "Effects of Inhalational Halogenated Hydrocarbons on the Enzyme Activity of Rat Liver Lysosomes," March 13, 1971.

International Anesthesia Research Society: "Clinical Application of the Lactic Dehydrogenase Zymogram in Anesthesia," March 20, 1971.

First International Symposium of Magnesium Deficit in Human Pathology, Vittel, France: "Serum Magnesium Changes During Organ Transplant," May 12, 1971.

Sociedad de Anestesiólogos de Estado de Chihuahua, Chihuahua, Mexico: "Uso Clínico de Óxido Nitroso," "Factores que Influencian la Hipoxemia Postoperatoria," and "Método de Valoración de Pacientes Después de la Anestesia," August 7, 1971.

Florida Society of Anesthesiologists: "Anesthetic Technique of Organ Transplantation," August 18, 1971.

IV Latin American Congress, Rio de Janeiro, Brazil: "Manejo Anestésico en las Grandes Hemorragias," October 5, 1971, and "Reacciones a los Anestésicos Locales," October 9, 1971.

Clínica Anestesiológica en São Paulo, Brazil: "Ventiladores, Función y Mecanismos," October 10, 1971.

Hospital de Clínicas, Montevideo, Uruguay: "La Escala Aldrete de Recuperación Post-Anestésica," October 11, 1971.

XIII Argentinean Congress, Buenos Aires: "Alergia a los Anestésicos Locales Hecho o Ficción," October 13, 1971.

## LECTURES AND PRESENTATIONS (cont'd)

American Society of Anesthesiologists, Atlanta, Georgia (Refresher Course Lecturer): "Anesthesia for Organ Transplantation," October 17, 1971.

American Society of Anesthesiologists, Atlanta, Georgia (Clinical Workshop): "Drugs and Regional Anesthesia," October 18, 1971.

Tercer Coloquio Interamericano de Anestesiología, Panel: "El Síndrome de Embolia de Grasa," January 4, 1972.

Ninth Annual Postgraduate Seminar in Anesthesiology, Miami, Florida: "Clinical Implications of Magnesium Therapy," January 7, 1972.

American College of Surgeons Sectional Meeting: "Studies in Fat Embolism," Trauma Panel, January 18, 1972.

Visiting Professor, University of Campinas, São Paulo, Brazil: "Anesthetic Techniques for Organ Transplantation," August 8, 1972.

II Jornadas Municipales de Anestesiología, Buenos Aires, Argentina: "Education of Anesthesiologists in the U.S.A." and "Preoperative Evaluation of High Risk Patients," August 9, 1972.

Fifth World Congress of Anesthesiologists, Kyoto, Japan: "Correlation of Arterial Oxygen Tension Changes with Postoperative Recovery Score," September 19, 1972.

American Society of Anesthesiologists, Boston, Massachusetts: "Anesthetic Considerations for Patients with Cirrhosis and Portal Hypertension," Panel, "Anesthesia and the Kidney," September 30-October 3, 1972.

V Congreso Venezolano de Anestesiología, Caracas, Venezuela: "Evaluación Clínica Objetiva de la Recuperación Anestésica," "Embolia Grasa," Panels, "Intoxicaciones" and "Aspectos Metabólicos de la Anestesia," November 29-December 2, 1972.

International Anesthesia Research Society: "Influence of Cigarette Smoking on the Changes Produced by the Spinal Anesthesia on Expiratory Forced Volumes and Flow Rates," March 14, 1973.

Visiting Professor, Cook County Hospital, Chicago: "Anesthesia for Organ Transplantation" and "Interactions of Magnesium and Anesthetic Agents," April 5, 1973.

Visiting Professor, Stritch School of Medicine, Loyola University, Chicago, Illinois: "Assessing the Physical Status of Patients Recovering from Anesthesia" and "Anesthetic Management of Patients Having Kidney Homografts," April 6, 1972.

## **LECTURES AND PRESENTATIONS (cont'd):**

Kentucky Association of Nurse Anesthetists, Louisville, Kentucky: "Anesthesia in the Asthmatic Patient," April 16, 1972.

XII Latin American and Colombian Congress of Anesthesiology, Bogotá, Colombia: "Calculating Anesthetic Vapor Concentrations with Logic," "Acid Base Balance and Arterial Blood Gases," "New Anesthetic Agents," "Respiratory Care," and "Care of the Critically Ill," August 21-27, 1973.

Annual Meeting, Kentucky Medical Association, Louisville, Kentucky: "Shaking the Shivers After Anesthesia," September 18-20, 1973.

Annual Meeting, American Society of Anesthesiologists, San Francisco, California: Moderator: Panel on New Drugs, October 15-16, 1973.

Clínica del Parque, Chihuahua, Mexico, Guest Lecture: "Problems Associated with Massive Blood Transfusions," "Arterial Blood Gases and Acid Base Balance" and "Diagnosis and Treatment of Respiratory Failure," February 15-16, 1974.

21<sup>st</sup> Annual Air Force Anesthesiology Review Course, San Antonio, Texas: "Preoperative Evaluation of Patients with Chronic Lung Diseases," June 10-14, 1974 and "Recovery Room: The Prodigious Son of Anesthesia," June 17, 1974.

IV European Congress of Anesthesiology, Madrid, Spain: "Pulmonary Morbidity in Patients Unconscious from Overdose," September 5-11, 1974.

Seminar: Challenges in Teaching of Local Anesthesia to Dentists and Dental Students, Worcester, Massachusetts: "Allergies and Local Anesthetics," September 30-October 1, 1974.

XVI Jornadas Médicas Nacionales y VIII de Especialidades, Guayaquil, Ecuador: "Asma y Anestesia," "Inmunización Profiláctica en la Unidad de Terapia Intensiva," "Pulmón de Choque," "Novedades en la Sala de Recuperación," Moderator, "Terapia Intensiva y Anestesia," October 29-November 1, 1974.

1974 Fall Conference, Kentucky Thoracic Society, Louisville, Kentucky: "Pulmonary Infection in Patients with Aspiration Pneumonitis," October 4-5, 1974.

II Annual Symposium on Acute Respiratory Insufficiency, University of Louisville School of Medicine, Louisville, Kentucky: "Preoperative Evaluation of the Patient with Lung Disease," October 25-26, 1974.

Visiting Professor, Parkland Memorial Hospital, Dallas, Texas: "New Concepts on Reactions to Local Anesthetics," February 20, 1975.

## **LECTURES AND PRESENTATIONS (cont'd)**

Visiting Professor, Medical College of Ohio, Toledo, Ohio: "Anesthetic Management of Patients Receiving Kidney Homografts," March 13, 1975.

Montana Society of Anesthesiologists: "Practical Aspects of Assessing Pulmonary Cripples Before Surgery," June 11, 1975.

American Society of Anesthesiologists Meeting, Chicago, Illinois: "Reverse Carotid Blood Flow: A Cause of Neurotoxicity from Injections of Local Anesthetics in the Head and Neck Area," October 1975.

Colorado Association of Nurse Anesthetists, Denver, Colorado: "Reactions to Local Anesthetics," March 21, 1976.

VI World Congress of Anesthesiology, Mexico City, Mexico: Presentation – Symposium: "Malignant Hyperthermia," Chairman, "Biochemical Studies," "Anesthetic Pollution in Operating and Recovery Rooms," "Evaluation of the Patient with Pulmonary Pathology," April 24-30, 1976.

Colorado Society of Anesthesiologists, Denver, Colorado: "Modern Concepts on Reactions to Local Anesthetics," April 1976.

Itasca Clinic, Grand Rapids, Minnesota: "Cigarette Smoking and the Surgical Patient" and "Recovery Room Scoring," August 1976.

Colorado Society of Anesthesiologists, Colorado Springs, Colorado: "Operating Room Contamination: Fact or Fiction?," September 1976.

Kansas Association of Nurse Anesthetics, Topeka, Kansas: "Post-Anesthetic Recovery Score," November 13, 1976.

Washington State Society of Anesthesiologists, Seattle, Washington: "Current Status of the Post-Anesthetic Recovery Score," December 4-5, 1976.

Los Angeles County Society of Anesthesiologists, Los Angeles, California: "New Concepts on Reactions to Local Anesthetics," April 18, 1977.

Visiting Professor, Stritch School of Medicine, Loyola University, Chicago, Illinois: "Exposure to Anesthetics: A Problem – A Solution" and "New Concepts to Reactions to Local Anesthetics," April 19-20, 1977.

Colorado Society of Hospital Pharmacists, Denver, Colorado: "Use, Actions, and Reactions of Anesthetic Agents," April 26, 1977.

## LECTURES AND PRESENTATIONS (cont'd)

Roche Laboratories Seminar, Denver, Colorado: "The Use of Diazepam in Anesthesia," May 18, 1977.

XIV Basic Science – Symposium on Anesthesiology and Critical Care Medicine, New York, New York: "Shock Lung," June 6-10, 1977.

Recovery Room Nursing Workshop, University of Colorado School of Medicine, Denver, Colorado: "Evaluation of Post-Anesthetic Patients, Including Post-Anesthesia Recovery Score," September 17, 1977.

American Hospital Association Symposium on Waste Anesthetics in the Operating Room, Chicago, Illinois: "Feasibility of Low Flow Gas Techniques to Minimize Waste Anesthetic Levels," September 21-22, 1977.

American Society of Anesthesiologists Annual Meeting, New Orleans, Louisiana: "Intra-Arterial Injection as a Possible Route for CNS Toxicity from Local Anesthetic Drugs," October 15-19, 1977.

Pediatric Anesthesiology and Critical Care Symposium (VI Annual Paul R. Hackett Memorial Symposium), Denver, Colorado: "Current Concepts of the Etiology and Pathogenesis of Shock Lung," November 18, 1977.

Management of Patients with Thermal Injuries, Colorado Committee on Trauma of the ACS, Denver, Colorado: "Anesthesia for the Burn Patient." Symposium and Workshop, "Care in the Operating and Recovery Room," December 15-17, 1977.

Horizons in Surgery, Vail, Colorado: "The Anesthesiologist's Viewpoint," January 15-20, 1978.

The Hidden Dimensions: Emotional Responses to Surgery and Anesthesia, "Psychological Issues in Anesthesia for Transplant Surgery," March 14-18, 1978.

Care of the Critically Ill and Injured, Denver, Colorado: "Anesthesia for the Critically Injured," March 20-22, 1978.

Hawaii Society of Anesthesiologists, Queen's Medical Center, Honolulu, Hawaii: "Protection of the Brain Against Hypoxia," March 28, 1978.

Seventh Obstetric Anesthesia Conference, Waikiki, Hawaii: "Magnesium Toxicity," "Possible Protective Mechanisms Involved by Anesthesia," and "Systemic Toxicity of Local Anesthetics – Maternal Effects," March 28-29, 1978.

Low Flow/Closed System Anesthesia Symposium, Denver, Colorado: "From the High to Low Flows" and "Is Chronic Exposure a Real Danger?," April 7-9, 1978.

## **LECTURES AND PRESENTATIONS (cont'd)**

Lectures in Basic Pharmacology, University of Colorado Health Science Center, Denver, Colorado: "Local Anesthetics" and "General Anesthetics," May 11-14, 1978.

Controversial Topics in Anesthesia, Vail, Colorado: "What to Do About Waste Anesthetic Gases," July 15-16, 1978.

Midwest Osteopathic Society of Anesthesiologists Semi-Annual Conference, Denver, Colorado: "Anesthesia for Patients with Renal Disease," August 4-6, 1978.

Curso Internacional de Postgrado en Anestesiología en Santiago, Chile: "Insuficiencia Renal y Anestesia," "Captación y Distribución de los Anestésicos por Inhalación," "Riesgo Profesional Derivado de Exposición Crónica a los Anestésicos: Hecho or Ficción," "Estado Actual de la Hipertermia Maligna," November 26-29, 1978.

Consejo Mexicano de Anestesiología, A.C., Curso I de Actualización en Farmacología, Mexico, D.F.: "Farmacocinética de los Narcóticos I," "Farmacocinética de los Narcóticos II," "Captación y Distribución de los Anestésicos de Inhalación I," "Protección Farmacológica del Cerebro a la Hipoxia," "Farmacología de los Anestésicos Locales," "Evaluación de Actividades Clínicas y Didácticas de Residentes en Anestesiología," December 1-3, 1978.

Clinical Judgement in Anesthesiology, Vail, Colorado: "Renal Failure," "Allergy to Local Anesthetics," and "Protecting the Brain Against Hypoxia," January 15-19, 1979.

Symposium on Epidural Anesthesia for Obstetrics: "Pharmacology of Local Anesthetics," "Reaction to Local Anesthetics," and "Local Anesthetics in Obstetrical Practice," February 1979.

4<sup>th</sup> Annual Meeting, Regional Anesthesia in Surgery, Disney World, Florida: "Pharmacologic Concerns for Regional Anesthesia," March 8-11, 1979.

International Symposium on Intravenous Anesthesia, Denver, Colorado: "Pentazepam" and "Preventing Psychotropic Reactions after Ketamine," April 19-20, 1979.

The Current Status of Intravenous Anesthesia, Charleston, South Carolina: "Intravenous Anesthesia for the Hypertensive Patient," May 31-June 3, 1979.

3<sup>rd</sup> Annual Colorado Anesthesiology Seminar, Current Trends in Anesthesia-1979: "Monitoring: What Should We Monitor and What Does It Mean?," July 21-22, 1979.

Specialized Course in Anesthesiology, Hospital Italiano, Buenos Aires, Argentina: "Actualización en Anestesia," October 3, 1979.

## LECTURES AND PRESENTATIONS (cont'd)

XIX Congreso Mexicano de Anestesiología, Monterrey, Mexico: “Actualidad de la Anestesia Endovenosa,” “Resurgimiento del Circuito Cerrado y Flujos Bajos,” “Hipertermia Maligna,” “Prevención de los Efectos Psicomotores de la Ketamina,” and “Transplantes de Órganos: Historia y Ética,” October 10-13, 1979.

Utah State Society of Anesthesiologists, University of Utah: “Closed System Anesthesia Update,” November 7, 1979.

Congreso Nacional de Residentes y Ex-Residentes del Centro Médico de Occidente del Instituto Mexicano del Seguro Social, Guadalajara, Jalisco, Mexico: “Resucitación del Cerebro Isquémico trans Arresto Cardíaco,” “Transplante de Órganos, Presente y Futuro,” November 26-December 1, 1979.

IX Congreso Chileno de Anestesiología, Portillo, Chile: “Reacción Adversa a los Anestésicos Locales,” “Recuperación Anestésica,” and “Tratamiento del Adulto Crítico,” 1979.

73<sup>rd</sup> Denver Midwinter Meeting, Denver, Colorado: “How Local Anesthesia Fits Into the Spectrum,” January 13-16, 1980.

The Current Status of Intravenous Anesthesia, San Francisco, California: “IV Anesthesia for the Hypertensive Patient,” “Some New (And Not So New) IV Drugs,” “A Method of Assessment of Recovery from IV Anesthesia,” and “Management of Intra-Operative Metabolic Problems,” January 18-20, 1980.

Northwest Anesthesia Seminars: Pharmacology in Anesthesia – Review and Update, Reno Nevada: “Narcotic Analgesics,” “Review of Meperidine, Morphine, Fentanyl and Butorphanol,” “Evaluation of the Place for Stadol in Balanced Anesthesia,” and “Clinical Experience Using Stadol in Anesthesia,” March 7-9, 1980.

Curso de Actualización en Anestesia y Trauma, La Federación de Sociedades de Anestesiología de la República Mexicana: “Valoración Anestésico Quirúrgica del Traumatizado Adulto,” “Anestesia Endovenosa vs. Anestesia Inhalatoria en el traumatizado,” “Hipertensión Endocraneana en el Politraumatizado,” “Anestesia Regional en el Traumatizado” and “Protección del Cerebro Durante el Paro Cardíaco,” May 5-9, 1980.

3<sup>rd</sup> Annual Spring Seminar in Anesthesiology, Rochester, New York: “Low Flow and Closed System Anesthesia: Getting Back to Basics,” and “Assessment of Recovery after Anesthesia,” May 10, 1980.

Gulf Stream Society of Anesthesiologists, Port Arthur, Texas: “Butorphanol, A New Anesthetic,” May 22, 1980.

## **LECTURES AND PRESENTATIONS (cont'd)**

Sociedad de Anestesiólogos de Oriente, Ponce, Puerto Rico: "New Analgesics," June 3, 1980.

Hospital de Maestro, San Juan, Puerto Rico: "El Score de Aldrete," June 4, 1980.

Asker Hospitallet and Ulleva Hospitallet, Oslo, Norway: "Resuscitation of the Traumatized Patient," August 25, 1980.

Riks Hospitallet, Oslo, Norway: "Resuscitation of the Ischemic Brain," August 26, 1980.

Universitat Hospitallet, Trondheim, Norway: "Cerebral Protection in the Arrested Patient," August 28, 1980.

Lund University Hospital, Lund Sweden: "New Developments in Malignant Hyperthermia," September 3, 1980.

Brain Research Laboratory, Lund University, Lund Sweden: "Resuscitation of the Ischemic Brain with Dilantin (Phenytoin)," September 4, 1980.

University of Uppsala, Uppsala, Sweden: "Clinical Use of Pentazepam," September 12, 1980.

7<sup>th</sup> World Congress of Anaesthesiologists, Hamburg, Germany: Chairman Panel on Low Flow and Closed System Anesthesia, Presented: "Humidity, Cost and/or Pollution in Closed System Anesthesia," September 14-20, 1980. Presented: "Comparison of the Hemodynamic Effects of Butorphanol and Morphine for Cardiac Surgery," September 17, 1980. Member, "Panel on Butorphanol: A New Agonistic-Antagonistic Analgesic," September 18, 1980.

University of Rotterdam, Rotterdam, The Netherlands: "The Practical Use of Low Flow and Closed System Anesthesia," September 23, 1980.

Hospital de la Universidad Samaritana, Bogotá, Colombia: "Resuscitation Cerebral," Hospital Militar, "Hemodilución con Colloides," October 23, 1980.

Hospital San Juan de Dios, Bogotá, Colombia: "Flujos Bajos, Circuito Cerrado," October 23, 1980.

Hospital Universitario de Caracas: "Hemodilución Intencional" and "Simplicidad de los Flujos Bajos y el Circuito Cerrado," October 20, 1980.

Hospital Militar, Quito, Ecuador: "Hemodilución Preoperatoria" and "Anestesia con Circuito Cerrado," October 24, 1980.

## LECTURES AND PRESENTATIONS (cont'd)

Clínica Gil, Guayaquil, Ecuador: "El Rol de los Colloides en Cirugía y Anestesia," October 25, 1980.

Sociedad Chilena de Anestesiología: "Hemodilución Preoperatoria," October 27, 1980.

Hospital Militar de Santiago, Chile: "Como Ahorrar Sangre con Hemodilución," October 28, 1980.

Hospital Suarez Mejia, Buenos Aires, Argentina: "Resucitación del Cerebro Isquémico Hipóxico," November 3, 1980.

V. Jornadas y III Congreso Internacional de Anestesiología, A.M.E.R.A. H.G., Cancún, Quintana Roo, Mexico: "Conceptos Recientes en el Farmacología de los Anestésicos Locales" and "Reacciones a los Anestésicos Locales, Realidad o Ficción?," November 18-25, 1980.

Curso de Anestesiología y Medicina Crítica, Queretaro, Qro. Mexico: "Riesgo del Paciente Traumatizado," "Resucitación del Cerebro Isquémico," "Posición del Paciente Quirúrgico Durante la Anestesia," "Pneumonitis por Aspiración," "Complicaciones Pulmonares en el Postoperatorio," "Relaciones Emocionales a la Cirugía y Anestesia," "Sesión General, Hábito del Tabaquismo," and "Riesgos en Anestesia," December 1-5, 1980.

Visiting Professor, University of Kentucky, Lexington, Kentucky: "Intentional Hemodilution," "The Aldrete Recovery Score," and "Low Flow and Closed System Anesthesia in Practice," January 26-30, 1981.

Visiting Professor, Wayne State University, Detroit, Michigan: "Clinical Experience with New Agonist-Antagonist Analgesics," February 5, 1981.

Visiting Professor, Vanderbilt University, Nashville, Tennessee: "Hemodilution" and "Clinical Use of Butorphanol," March 5-7, 1981.

Sociedad de Anestesiología de la Laguna, XXV Aniversario: "Hemodilución," "Captación y Distribución de Anestésicos Inhalados," "Reacción a los Anestésicos Locales," and "Evaluación del Paciente Traumatizado," March 20-21, 1981.

Asociación de Anestesiólogos de Jalisco, A.C., Simposio Internacional, "Uso Práctico de la Hemodilución," March 29-31, 1981.

Guatemalan Society of Anesthesiology: "Resucitación del Paciente Traumatizado," "Hemodilución," and "Colloides vs. Cristaloids," April 2-3, 1981.

## LECTURES AND PRESENTATIONS (cont'd)

El Primer Simposio Latinoamericano Sobre Recientes Adelantos en Anestesiología, San Antonio, Texas: "Bases Inmunológicas y Farmacológicas de Preservación, Transplante y Protección de Órganos," May 3-6, 1981.

I Congresso Brasileiro de Medicina Intensiva, Rio de Janeiro, Brazil: "Resuscitao de Traumatizado," May 10-13, 1981.

Hospital Universitario, Rio de Janeiro, Brazil: "Hemodilution" and "Brain Resuscitation," May 11, 1981.

Hospital Servidores do Estado, Rio de Janeiro, Brazil: "Hemodilution," May 13, 1981.

Hospital Samaritano, São Paulo, Brazil: "Hemodilution," May 14, 1981.

Hospital Universitario, Ribeirao Preto, Brazil: "Hemodilution," May 15, 1981.

Sociedad Poblana de Anestesiología, A.C. Simposio: Medicina Crítica y Anestesia, República Mexicana: "Hemodilución", "Resucitación del Cerebro Isquémico," "Riesgo del Paciente Traumatizado," "Anestesia para Cirugía Oftalmológica," and "Hipertermia Maligna," May 22-23, 1981.

Asociación de Anestesiólogos de la Ciudad de Mexico, A.C., Curso Internacional de Actualización en Anestesiología: "Flujos Bajos y Circuito Cerrado en Anestesia," "Reacciones Emocionales en el Paciente Sometido a Anestesia," "Reacciones Tóxicas de los Anestésicos Locales," "Hemodilución," "Nuevo Enfoque Sobre los Efectos de la Ketamina," "Resucitación del Cerebro Isquémico," "Farmacocinética de los Analgesics Narcóticos vs. No Narcóticos," and "Hipertermia Maligna," May 25-29, 1981.

Poster Presentation at the Society of Cardiovascular Anesthesiologists, San Francisco, California: "Comparison of Butorphanol and Morphine as Analgesics for Open Heart Surgery: A Double-Blind Randomized Study," May 1981.

Visiting Professor, The University of Texas Southwestern Medical School at Dallas, Dallas, Texas: "Hemodilution for the Routine Cases," "Magnesium Physiology in Anesthesia," "CNS Protection Following Global Hypoxia," and "Clinical Experience with Butorphanol," June 1981.

The Current Status of Inhalation Anesthesia, Kiawah Island Inn and Resort, Kiawah Island, South Carolina: "Teratogenicity of Inhalation Anesthetics," "Malignant Hyperpyrexia: A Grave Complication," "The Use of Low Flow Systems," "Assessment of Recovery for Inhalants," "IV-Inhalation Anesthetic Combinations," and "Emotional Responses to Surgery and Anesthesia," June 3-7, 1981.

## LECTURES AND PRESENTATIONS (cont'd)

Visiting Professor, University Central Hospital of Helsinki, Finland: "Brain Reanimation," June 29, 1981.

Visiting Professor, Institut fur Anaesthesiologie, Dusseldorf Universitat, Dusseldorf, West Germany: "Low Flow Anesthesia," June 1981.

III Symposium on Regional Anesthesia, Dusseldorf Universitat, Dusseldorf, West Germany: "Allergic Reactions to Local Anesthetics" and "Reversed Carotid Blood Flow as Mechanism of Toxicity of Local Anesthetics," July 5, 1981.

Visiting Professor, Hospital Mocel, Mexico City, Mexico: "Resucitación Cerebral de Para Cardíaco" and "Bases Hemodinámicas para la Hemodilución Intencional," July 1981.

Hospital San José, Monterrey, Mexico: "Reanimación Cerebral," "Hemodilución, su Rol en Medicina," and "Las Controversias en Prevención de Trombosis," August 1981.

Director of Course: Instituto Nacional de la Nutrición, Departamento de Medicina Crítica, Primer Curso para Profesores en Anestesia," September 21-25, 1981.

Indianapolis Society of Anesthesiologists, Indianapolis, Indiana: "Butorphanol and Other Analgesics," October 17, 1981.

ASA Annual Meeting, New Orleans, Louisiana: Consultant on "Inhalational Anesthetic Drugs and Techniques, Including Forane and Closed Systems," October 19, 1981.

XVI Congreso Latinoamericano de Anestesiología, Panama: Lecture: "Flujos Bajos y Circuito Cerrado: La Anestesia del Futuro," Moderator: "Terapia Intensiva en el Paciente Críticamente Enfermo," Panelist: "Manejo Anestésico del Infante Menor de un Año," November 23-27, 1981.

Sixth Caribbean Symposium in Anesthesiology and Related Fields, Palmera, Puerto Rico: "Low Flow and Closed Circuit Anesthesia: A Safe Economy?" and "Hemodilución Intencional," December 9-13, 1981.

Tenth Annual Anesthesiology Review Course, Birmingham, Alabama: "Newer Synthetic Analgesics in Anesthetic Practice," February 27, 1982.

Eleventh Anesthesia Seminar, Pensacola Beach, Florida: "New Developments in Clinical Management of Other Inhalation Anesthetics," "Anesthesia Consideration in Management of Patients with Cardiovascular Disease," and "Anesthesia Consideration in Management of Pregnant Patients Undergoing Surgery Unrelated to Obstetrics," April 23-25, 1982.

Annual Meeting of the Virginia Association of Nurse Anesthetists, Virginia Beach, Virginia: "IV Anesthesia: State of the Art," and "Hemodilution," April 30-May 2, 1982.

## LECTURES AND PRESENTATIONS (cont'd)

The First International Symposium on the History of Modern Anaesthesia, Rotterdam, The Netherlands: "The Forced Logic of Intravenous Alcohol Anesthesia," May 5-6, 1982.

Symposium on Closed System Anesthesia, Mainz, West Germany: "Closed System Anesthesia with Isoflurane" and "Practical Applications of Uptake of Anesthetics for Closed System," May 7-8, 1982.

Institute for Post-Graduate Education, Orlando, Florida: "Asthma: What To Do About It!," "Problems with Intravenous Anesthesia," "Complications Associated with Positioning" and "Problems with Inhalation Anesthetics," June 23-27, 1982.

Visiting Professor, Bowman Gray School of Medicine, Winston-Salem, North Carolina: "The Post-Anesthesia Recovery Score" and "Butorphanol as an Analgesic," July 11, 1982.

TANA-Educational District #6 Annual Meeting, Corpus Christi, Texas: "Closed Circuit Anesthesia-Low Flow Anesthesia" and "Newer Synthetic Analgesics in Anesthetic Practice," July 16-18, 1982.

Gulf Stream Nurse Anesthetists Society Meeting, Galveston, Texas: "Newer Analgesics Used in Anesthesia," July 17, 1982.

Sixth Annual European Congress of Anesthesiology, London, England: "Protection Against Anoxia and Phenytoin and Thiopental in Rabbits," September 8-15, 1982.

Visiting Professor, Katholik Universitet of Nijmegen, The Netherlands: "The Post-Anesthesia Recovery Score," "Emotional Disturbance of Surgical Patients," "The Role of Magnesium in Anesthesia and Surgery," "Low Flow and Closed System Anesthesia," "False and True Reactions to Local Anesthetics," "Neuroleptanesthesia: A Skeptic's Point of View," and "Correlation of Physiological and Clinical Events in Hypovolemic Shock," August 15-December 15, 1982.

Cerebrovascular Pathology Meeting, Parma, Italy: "Alternative on Brain Resuscitation," October 2, 1982.

Visiting Professor, Department of Anesthesiology of the Free University of Amsterdam: "Clinical Experience in Anesthesia for Liver Transplantation," October 13, 1982.

First Egyptian Congress on Pain, Cairo, Egypt: "New Analgesics with Agonist and Antagonist Properties," November 10, 1982.

Visiting Professor, University of Bonn, West Germany: "Clinical Experience on Anesthesia for Hepatic Transplantation," November 22, 1982.

## LECTURES AND PRESENTATIONS (cont'd)

Visiting Professor, Department of Anesthesiology, University of Gent, Gent, Belgium: "Low Flow and Closed System Anesthesia" (Lecture and Demonstration), November 29, 1982.

Visiting Professor, Department of Anesthesiology, Erasmus University, Rotterdam, The Netherlands: "Low Flow and Closed System Anesthesia" (Lecture and Demonstration), December 6, 1982.

Visiting Professor, Department of Anesthesiology, University of Barcelona, Barcelona, Spain: "Hypovolemia and Hemodilution," December 10, 1982.

Visiting Professor, University of Madrid's Surgical Hospital, Madrid, Spain: "Clinical and Psychological Approach in the Treatment of Hypovolemic Shock," December 11, 1982.

Institute for Post-Graduate Education Third Annual Ski Meeting, Hastings, Michigan: "Asthma: What To Do About It!," "Problems with Intravenous Anesthesia," "Complications Association with Positioning," "Problems with Inhalation Anesthetics," and "Problems Seen with Local Analgesics," January 25-27, 1983.

Omaha Society of Anesthesiologists, Omaha, Nebraska: "Agonist and Antagonist Analgesics," February 3, 1983.

Visiting Professor, Department of Anesthesiology, University of Nebraska, Omaha, Nebraska: "Simple Approach to Closed System and Low Flow Anesthesia: How Much and Why?," February 4, 1983.

31<sup>st</sup> Annual Scientific Assembly at Hospital de Damas, Ponce, Puerto Rico: "Physiological Concepts in the Recognition and Treatment of Hypovolemic Shock," "Emotional Disturbances in Critically Ill Patients," and "Diagnosis and Treatment of Respiratory Failure," February 25-26, 1983.

Visiting Professor, Department of Anesthesiology, St. Louis University, St. Louis, Missouri: "Analysis of Some of the New Analgesics," March 31, 1983.

Institute for Post-Graduate Education Meeting on the New Intravenous Drugs and Techniques, Washington, D.C.: "Non-Narcotic Analgesics" and "New Drugs for the Cardiac Patient," April 16, 1983.

VII Congreso Hispano-Luso de Anestesiología y Reanimación, Murcia, Spain: "Low Flow and Closed System Anesthesia" and "Introducción y Análisis Bibliográfico del Tema," May 25-28, 1983.

Visiting Professor, University of Galicia, Santiago de Compostela, Spain: "Prevention and Treatment of Venous Thrombosis," May 31, 1983.

## **LECTURES AND PRESENTATIONS (cont'd)**

Visiting Professor, University of Bilbao, Bilbao, Spain: "Prevention and Treatment of Pulmonary Embolism," June 2, 1983.

Institute for Post-Graduate Education Meeting on the New Intravenous Drugs and Techniques, Las Vegas, Nevada: "Non-Narcotic Analgesics" and "New Drugs for the Cardiac Patient," June 24, 1983.

7<sup>th</sup> International Cuban Medical Association Congress, Miami Beach, Florida: "Afternoon with Dr. Antonio Aldrete," "Newer Analgesic Agents, New Look at Balanced Anesthesia FORANE—The Ideal Anesthetic," "What Should We Know About Anesthetic Risks" and "Closed Circuit Anesthesia. It Is Cheaper, But Is It Safer? An Expert's View," June 29, 1983.

Academy of Surgeons, San Salvador, El Salvador: "Diagnosis and Treatment of Hypovolemic Shock," August 19-21, 1983.

Salvadorean Society of Anesthesiologists, San Salvador, El Salvador: "Low and Closed System Anesthesia," "Debatable Issues in Obstetrical Anesthesia," "Preoperative Hemodilution" and "The Anesthetic Management of Burn Patients," August 21-22, 1983.

Trauma Meeting organized by the Red Cross in Mexico City: "The Anesthetic Management of the Traumatized Patient," and "Prevention of Multiple Organ Failure in the Traumatized Patient," August 24-27, 1983.

Visiting Professor, Hospital Cruz Roja, Mexico: "Manejo Integral del Paciente Politraumatizado en Quirófano," "La Integración del Equipo Quirúrgico en Politrauma," and "La Organización Ideal del Área Crítica en el Hospital Dedicado a Traumatología," August 27, 1983.

XXI Congreso Mexicano de Anestesiología, Palacio de la Escuela de Medicina, Mexico, D.F.: "Perspectivas Futuras en Flujos Bajos y Circuito Cerrado," "Peligros del Óxido Nitroso," "Control Fisiológico de la Respiración en Anestesia," "Manejo Anestésico del Paciente Quemado," Coordinator: "Simposio – Conceptos Actuales en Reanimación Cardiopulmonar," and "Los Pecados Capitales Contra la Salud," September 13-17, 1983.

Visiting Professor, Hospital Italiano, Buenos Aires, Argentina: September 29-30, 1983.

Argentinean Congress of Anesthesiologists, Buenos Aires, Argentina: "Prospect of Closed System and Low Flow Anesthesia," "Recovery of the Pediatric Patient after Anesthesia," "Inhalational Induction of the Pediatric Patient," and "Debate on Crystalloids versus Colloids in Hypovolemia," October 2-6, 1983.

## LECTURES AND PRESENTATIONS (cont'd)

Sociedad de Anestesia de Andalucía, Sevilla, Spain: "New Perspective of Low Flow and Closed Circuit Anesthesia," "Anesthetic Management of Patients with Renal Failure" and "Quality Control in Anesthesia," October 14-15, 1983.

Visiting Professor, Malmo General Hospital, Malmo, Sweden: "Investigating Allergies to Local Anesthetics," "New Perspectives on Low Flow and Closed Circuit Anesthesia," and "Clinical Applications of Ketamine in the '80's," October 16-20, 1983.

Visiting Professor, Faculdade de Ciências Médicas, Santa Casa de São Paulo, Brazil: "Baixo Fluxo e Sistema Fechado em Anestesia. O Porque e Como," "O Risco da Anestesia," "Isoflurane: um Novo Anestésico de Inalaco," "Hemodiluição Intencional," and "Reações aos Anestésicos Locais," November 27-December 3, 1983.

I Curso de Actualización de Anestesiología, Acapulco, Mexico: "Consideraciones Anestésicas en el Paciente Nefropata," February 24, 1984.

Sociedade Portuguesa de Anestesiologia, Porto, Portugal: "Baixos Fluxos e Circuito Fechado," "Hemodiluição Intencional" and "O Risco da Anestesia," May 10-12, 1984.

Curso Organizado por: Servicio de Anestesiología del Hospital Italiano de Buenos Aires, Argentina: "Toxicidad de los A.L.," "Anestesia para Traumatología," "Isoflurano, Nuevo Agente Inhalatoria," "Flujos Bajos y Circuito Cerrado," "Hipertermia Maligna," "Resucitación Cerebral," "Opiáceos en el Espacio Peridural," "Naloxona, el Antagonista Imprescindible," "Analgésicos con Propiedades Agonistas Antagonistas," and "Actualización de las Aplicaciones Anestésicas de Clorh. de Ketamina," May 30-June 14, 1984.

Temas de Actualización en Anestesiología, Los Servicios de Anestesiología del Hospital Interzonal Gral. De Agudos "Rossi" y el Hospital Zonal de Gonnet, La Plata, Argentina: "Técnica Sencilla de Hemodilución," "Farmacología y Toxicidad de Anestésicos Locales," "Ketamina en Cirugía Abdominal," and "Uso Clínico de la Naloxona en Cirugía y Clínica," May 28-June 4, 1984.

Visiting Professor, Universidad de Córdoba, Argentina: "Low Flow Anesthesia," "New Indications for Ketamine," and "Hemodilution," June 8-10, 1984.

Sociedad Mendocina de Anestesiología, Mendoza, Argentina: "The Aldrete Score Revisited," "Local Anesthetics Neurotoxicity," and "Anesthetic Management of Patients' Renal Failure," June 15-17, 1984.

Visiting Professor, Hospital Italiano, Buenos Aires, Argentina: "Experience in Anesthesia with Liver Transplantation," June 20, 1984.

## LECTURES AND PRESENTATIONS (cont'd)

Society of Pain of Buenos Aires, Argentina: "Continuous Epidural Analgesia with Non-Opiates," June 22, 1984.

Institute for Post-Graduate Education Meeting on Anesthetic Considerations in Pulmonary Disease, Orlando, Florida: "Anesthetic Implications of Smoking," "Management of Pulmonary Edema," "Anesthesia for the Asthmatic Patient," and "IV vs. Inhalation Anesthesia in Lung Disease," June 29-30, 1984.

III Curso de Actualización en Anestesiología, Colegio Postosino de Anestesiología, A.C., San Luis Postosi, Mexico: "Asma y Anestesia" and "Prevención de la Ira Pre, Trans y Postoperatoria," July 27, 1984.

Curso Annual de Actualización en Anestesiología, Mexico City, Mexico: "Prevención de Hipoxia en el Pre y Transoperatorio," "Asma y Anestesia," "Óxido Nitroso: Estado Actual y Futuro," "Epiglotitis y Obstrucción de Vías Aéreas" and "Anestesia en Paciente Externo," July 30-August 4, 1984.

Programa de Ciclo de Conferencias, Departamento de Anestesiología, Escuela de Medicina, Universidad de Puerto Rico, Sociedad de Anestesiólogos de Puerto Rico: "Low Flow Anesthesia Techniques," "Ketamine Anesthesia Update," N<sub>2</sub>O Rise and Fall," "Hemodilution," and "Stadol Update," September 10-12, 1984.

Belgian Society of Anesthesia and Reanimation Symposium on Closed Circuit Anesthesia, Low Flow Anesthesia Measurements of Respiratory Gases, Ghent, Belgium: "Practice of Closed Circuit Minimal Flow and Low Flow Techniques," and "Practical Aspects of Closed and Low Flow Systems," September 22, 1984.

The Iowa Association of Nurse Anesthetists Annual Fall Meeting on Anesthesia and the Pulmonary Patient, Des Moines, Iowa: "Intravenous Anesthesia in Lung Disease," "Inhalation Anesthesia in Lung Diseases," and "Anesthesia for Asthmatic Patients," October 5-7, 1984.

Seminar on Anesthesia, Taipei, Taiwan, Chang-Gung Memorial Hospital: "Opiates in the Epidural Space," December 7, 1984.

Department of Anesthesiology, School of Medicine, Kanazawa University: "Current Topics in Clinical Anesthesia in the U.S.A.," December 12, 1984.

Anesthesia and the Pulmonary Patient, Institute for Post-Graduate Education, Incline Village, Nevada: "Anesthesia for Asthmatic Patients," "Management of Pulmonary Edema," "Intravenous Anesthesia in Lung Disease," and "Inhalation Anesthesia in Lung Disease," January 26-29, 1985.

## LECTURES AND PRESENTATIONS (cont'd)

Seminario de Trabajo, "Nuevos Avances en Anestesia Inhalatoria. Empleo del Circuito Cerrado en Anestesia," Valencia, Spain: "Descripción de Sistema," "Consideraciones Económicas," "Administración de Vapores Anestésicos (Ethrane)," and "Propiedades Fisicoquímicas del Isoflurano," March 11-13, 1985.

Anesthesia Practice, Institute for Post-Graduate Education, Cancún, Mexico: "N<sub>2</sub>O Embrace or Abandonment," "Is Ketamine Obsolete?," "The Need to Monitor Expiratory CO<sub>2</sub>," "Low Flow and Closed System Anesthesia" and "Intentional Hemodilution," March 18-22, 1985.

Primer Seminario del Sistema Ideal de Atención Médica de Urgencias: Atención del Paciente en Estado Agudo Crítico (Siamu), Guadalajara, Mexico: "Prioridades en el Tratamiento del Paciente Politraumatizado," "Resucitación del Cerebro Isquémico," "Diagnóstico y Tratamiento del Choque Hemorrágico," "Consideraciones Psicológicas del Paciente Traumatizado," and "Economía en Anestesia: Flujos Bajos y Circuito Cerrado," March 18-20, 1985.

V Seminar on Maxilofacial Surgery and Anesthesiology, Hospital Central, San Luis Potosi, Mexico: "Physiology and Pharmacology of Local Anesthetics," "Reactions to Local Anesthetics," "Difficult Tracheal Intubations," "Regional Blocks of the Head and Neck," "Regional Blocks of the Upper Extremity," and "Anesthesia for Plastic Surgery: A Challenge to Excellence," May 10-12, 1985.

Anesthesia Symposium, Hospital DIF, Toluca, Mexico: "Problems in Obstetrics and Anesthesia Derived from Altitude," "Physiological Relations and Pharmacological Interactions of Magnesium in Anesthesia, Surgery and Obstetrics," "Clinical Applications of Hemodilution" and "Clinical and Cellular Effects of Hypoxia," May 13, 1985.

National Institute of Cancerology, Mexico City, Mexico: "Current Applications of Intentional Hemodilution," May 15, 1985.

Visiting Professor, Department of Anesthesiology, The University of Texas Health Science Center at San Antonio, Texas: "Costs of Anesthetics" and "Agonists and Antagonists," May 15, 1985.

XXII Congreso Mexicano de Anestesiología, Merida, Yucatan, Mexico: "Historia de la Anestesiología en Mexico" (Coordinator), "Efectos de la Altura Sobre el Manejo Anestésico," "Hipoxia, la Amenaza Constante en Anestesiología" and "Costo de la Anestesia," September 11-15, 1985.

Visiting Professor, Cuzco, Peru: "Anesthesia and Altitude," September 23, 1985.

Visiting Professor, Iguazu, Argentina: "Cardiac Drugs in Anesthesia," September 30, 1985.

## LECTURES AND PRESENTATIONS (cont'd):

19<sup>th</sup> Annual Carolina Pharmacy Seminar, Greensboro, North Carolina: "Evaluating Blood Replacement Therapy for the Hospital Formulary," October 9-10, 1985.

Workshop Moderator: The American Society of Anesthesiologists Annual Meeting, San Francisco, California: "Human Aspects of Anesthesiology," Presentation: "How Can We Be Kind To Our Patients?," Panel Moderator: "Closed and Low Flow Anesthesia Systems," Presentation: "Advantages and Disadvantages," October 14, 1985.

XVIII Congreso Latinoamericano de Anestesiología, Montevideo, Uruguay: "Algunas Contribuciones de los Anestesiólogos Iberoamericanos," "Costos de la Anestesia; un Estudio Internacional," "Inhalations: Isoflurane" and "Experiencia Clínica, Conducción y Manejo: Accidentes e Incidentes," November 4-8, 1985.

Visiting Professor, Department of Anesthesiology, Harper Hospital, Detroit, Michigan: "Closed Circuit Low Flow Anesthesia," January 8, 1986.

Anesthesia and Ambulatory Patients, Lake Tahoe, Nevada: "Selection of Premedication for Adults and Children," "The Role of Ketamine in an Outpatient Center," "The Clinical Uses of Non-Narcotic Analgesics," and "Determination of 'Street Readiness,'" January 25-28, 1986.

Cuartas Jornadas de Anestesiología, Toluca, Mexico: "Farmacología del Magnesio," "Inovaciones en el Bloqueo Peridural," and "Insuficiencia Renal en Anestesia Obstétrica," February 13-14, 1986.

Joint Conference on Anesthesia, Obstetrics and Gynecology, Acapulco, Mexico: "The Cost of Obstetric Anesthesia," "Danger of Aspiration Pneumonitis," and "Magnesium Therapy and Anesthetic Implications," February 17-22, 1986.

Joint Conference on Anesthesia and Emergency Medicine, Cancún, Mexico: "Multiple Organ System Failure," "Management of Increased ICP after Intracranial Trauma," "Blood Volume Replacement in Multiple Trauma" and "Septic Shock in the Post-Trauma Period," March 17-22, 1986.

Asociación de Anestesiología del Valle de Atemajac, Guadalajara, Mexico: "Hemodilución Avances Recientes," "Captación y Distribución de Anestésicos" and "Flujos Bajos," March 21-22, 1986.

36<sup>th</sup> Annual Postgraduate Symposium on Anesthesiology, Kansas City, Missouri: "Advantages of Low Flow and Closed Circuit Anesthesia," "Awareness During Anesthesia," and participant on "Questions and Panel Discussion," April 25-27, 1986.

## LECTURES AND PRESENTATIONS (cont'd)

Fourth Annual Anesthesia Administration Assembly AAA Education Conference, Denver, Colorado: "Is There a Difference Between the University and Private Practice of Anesthesia?," May 17, 1986.

IV Congreso Ecuatoriano de Anestesiología, Guayaquil, Ecuador: "La Historia de la Anestesiología en Latinoamérica," "Anestesia para Transplante de Riñón," and Panelista: "Mesa de Controversia Narcóticos en Anestesia," May 21-24, 1986.

McGill Annual Review Course in Anesthesia, Montreal, Quebec, Canada: "Update of Closed Circuit and Low Flow Anesthesia," and "Magnesium Physiology and Pharmacology as Applied to Anesthesia," May 26-30, 1986.

III Reunión Internacional de Anestesiología-Reanimación, Pamplona, Spain: "Clinical Applications of Isoflurane" and "Introduction of Pediatric Patients with Isoflurane," July 3-5, 1986.

Seminar on Closed Circuit and Low Flow Anesthesia, Hospital Clínico Universitario, Valencia, Spain: "Considerations, Economy and Ecology of Closed Circuit Anesthesia," and "Principles, Basics, and Concerns of Inhalation Anesthesia in Closed Circuit," July 6-8, 1986.

Trends in Anesthesia, Vancouver, British Columbia, Canada, July 21-25, 1986.

Visiting Professor, Beijing University No. 3, "Application and Teaching Closed Circuit Anesthesia in Developing Countries," People's Republic of China, September 18, 1986.

Shanghai No. 2 Medical University, "Closed Circuit Anesthesia: A Model for III World Countries," September 16, 1986.

Puerto Rican Medical Society, Mayaguez, Puerto Rico: "Simplified Hemodilution," "Historical Roots of Anesthesia in Latin America" and "Sex after Myocardial Infarction," November 18-21, 1986.

44<sup>th</sup> Annual Midwest Clinical Conference of the Chicago Medical Society, Chicago Palmer House, Chicago, Illinois, "The Risks of Anesthesia," March 4-6, 1987.

Iowa ANA Spring 1987 Program Agenda on Anesthesia and Cardiovascular Disease, Iowa City, Iowa, "Anesthetic Management with Hypertensive Disease," "The Uses of Stadol in Cardiac Patients," and "Management of Intra-Operative Hypotensive States," May 2-3, 1987.

The Warren H. Cole Symposium XIV, Chicago, Illinois, "Regional vs. General Anesthesia—Risks vs. Benefits," May 27-29, 1987.

## LECTURES AND PRESENTATIONS (cont'd)

International Congress (in honor of Prof. Jan F. Crul) on “Anesthesiology: Feedback and Feedforward,” Institute for Anesthesiology, Katholik Universitet, Nijmegen, The Netherlands, “Trends in Defining Anesthesia Systems and Unit Doses,” “The Clinical Practice of Closed Anesthesia,” and on a panel for General Discussion, June 17-19, 1987.

Seminar on Anesthesia and the Pediatric Patient, Institute for Post-Graduate Education, Le Chateau Champlain, Montreal, Quebec, Canada: “Closed System Anesthesia in Pediatrics” and “Ketamine...Its Role in Pediatrics,” July 23-26, 1987.

Visiting Professor, Department of Anesthesiology, University of Kentucky, Lexington, Kentucky: “Hemodilution,” “Low Flow and Closed Circuit Anesthesia,” and “New Usage of Ketamine,” September 2-3, 1987.

The 10<sup>th</sup> Annual Kentucky Society of Respiratory Care Convention, Hyatt Regency, Lexington, Kentucky: “Brain/Lung Connection,” September 2-4, 1987.

Sociedad Mexicana de Anestesiología, Ixtapa, Guerrero, Mexico: “Protección Cerebral,” September 12-17, 1987.

Discussant (2<sup>nd</sup>), Illinois Society of Anesthesiologists Study Commission, Illinois Masonic Medical Center, Chicago, Illinois: Case Discuss I on “Respiratory Problems Following Cervical Laminectomy,” October 8, 1987.

Sociedad Médica Distrito Occidental Annual Convention, Hotel Mayaguez Hilton, Mayaguez, Puerto Rico: “Resucitación Cerebral,” November 16-21, 1987.

Workshop Quantitative Anesthesia – Low Flow and Closed Circuit Conference in Lubeck, Travemunde, Germany: “Limitations of Today’s Ventilation and Monitoring Systems,” November 27-28, 1987.

The 10<sup>th</sup> Anniversary Program – Anesthesia—A Decade of Progress organized by the Institute for Post-Graduate Education, Freeport, Grand Bahama Island: “Intentional Hemodilution” and a case discussion, December 2-5, 1987.

Managing Anesthesia Complications organized by the Institute for Post-Graduate Education, Krystal Vallarta Resort Hotel, Puerto Vallarta, Mexico: “Intentional Hemodilution” “Uncomplicating Low Flow Systems,” “Toxic Drug Reactions” and “Awareness During Anesthesia,” March 9-12, 1988.

Midwest Anesthesia Chairmen’s Annual Meeting, Holiday Inn City Centre, Chicago, Illinois: Introduction and “The Chairman’s Perspective,” March 25-27, 1988.

## LECTURES AND PRESENTATIONS (cont'd)

Visiting Professor, Northwestern University Medical School, Chicago, Illinois:  
“Transoperative Isovolemic Hemodilution”, “Magnesium Physiology and Pharmacology in Anesthesia,” April 4-6, 1988.

Simposio Internacional de la Confederación Latinoamericana de Sociedades de Anestesiología, Merida, Yuc., Mexico: “Anestesia Cuantitativa. Principios Básicos de los Sistemas de Anestesia” and “Anestesia Cuantitativa. Ventajas y Limitaciones,” May 16-19, 1988.

III International Symposium on Closed Circuit and Low Flow Anesthesia Systems, Washington, D.C.: “Closed Circuit and the Pediatric Patient” and “The History of the Closed Circuit and Low Flow Systems Society,” May 20-21, 1988.

Exhibitors’ Scientific Program at the Ninth World Congress of Anesthesiologists, Washington, D.C.: “Low Flow and Closed Circuit Anesthesia – Future Equipment Requirements,” May 22-28, 1988.

Spanish Anesthesia Congress, Seville, Spain: “Complicaciones en Anestesiología y Reanimación,” “Accidentes Alérgicos a los Anestésicos Locales,” “Alteraciones de la Conciencia y Neurológicas,” and “Complicaciones en los Transplantes,” June 3-4, 1988.

VI Simposio Annual y Pediatría, CD. Juarez, Chihuahua, Mexico: “Diagnóstico y Prevención de la Hipoxia,” “Resucitación Cerebral,” and “Avances en Hemodilución,” July 2-3, 1988.

XX Curso Fund. Cient. da Anestesiología Brasilia: “Papel do Anestesiologista Frente as Complexo Maternal Fetal,” July 27-August 3, 1988.

Visiting Professor, Department of Anaesthetics, University Hospital of Wales, Heath Park, Cardiff: “Application of Closed Circuit Anesthesia with Modern Technology,” September 12, 1988.

V International Congress of Belgian Society of Anesthesia and Reanimation, Brussels, Belgium: “Progress in Inhalation Anesthesia,” September 14-17, 1988.

Illinois Society of Anesthesia, Annual Fall Meeting, “Intranasal Ketamine,” Oakbrook, Illinois, Moderator, November 4-6, 1988.

I Jornadas Médicas Internacionales, Hospital Cruz Roja Mexicana, “Guillermo Barroso,” Mexico City: “Protección Cerebral,” “Choque Séptico y Anestesia,” “Anestesia en Pacientes con Lesión de la Columna Cervical Inestable con y sin Lesión Neurológica,” November 9-11, 1988.

## LECTURES AND PRESENTATIONS (cont'd)

The Central American Congress of Anesthesia, San José, Costa Rica: "High Dose of Fentanyl," "Clinical Applications of Sufentanyl and Alfentanyl," November 28-30, 1988.

X Jornadas de Médicos Residentes e Internos del Hospital Español, Mexico City, Mexico: "Hemodilution," February 3, 1989.

"Origins of Closed Circuit Anesthesia, as a Basis for its Development and Future Perspective," Amsterdam, The Netherlands, October 12, 1989.

"Nerve Blocks for Acute and Chronic Pain Done in PACU: Logistics and Mishaps," Pensacola, Florida, September 22, 1990.

"Caring for the Patient in Pain," Sandestin, Florida, April 20-21, 1991.

"The Beginning of Anesthesia for Liver Transplantation" Update in Anesthesiology, Vanderbilt University, Nashville, Tennessee, December 7, 1991.

17<sup>th</sup> Annual Meeting of the American Society of Regional Anesthesia, Tampa, Florida: "Use of Ultrasound as an Adjunct to Locate Anatomical Landmarks in Regional Anesthesia," March 26-29, 1992.

Third International Symposium, The History of Anesthesia, Atlanta, Georgia: Some Original Contributions of Latin Americans to Epidural Anesthesia. Some Original Contributions of Latin Americans to Anesthesia (Before 1950). March 27-31, 1992.

"Persistent post-dural puncture headache treated with infusion of epidural Dextran-40," World Congress of Anaesthesiologists, The Hague, The Netherlands, June 12-19, 1992.

"Soft Tissue Lesions in Patients with Myofascial Pain Syndromes Diagnosed with Ultrasound," World Congress of Anaesthesiologists, The Hague, The Netherlands, June 12-19, 1992.

"Cervical Radiculopathy Treated by Epidural Catheter Infusions of Analgesics in Homebound Patients," World Congress of Anaesthesiologists, The Hague, The Netherlands, June 12-19, 1992.

American Academy of Pain Management 1992 Convention, Albuquerque, New Mexico: "Treatment of Prolonged Severe Migraine Headaches with Butorphanol and Diazepam, Intravenously," October 1-8, 1992.

Annual Meeting of the American Society of Anesthesiologists, Seattle, Washington: "Addition of Ketorolac Tromethamine (KC) to Etidocaine (E) for Trigger Point Injections," May 13-16, 1993.

## LECTURES AND PRESENTATIONS (cont'd)

IV Congreso Nacional de Medicina y Cirugía del Trauma, "Dolor en Trauma," Asociación Mexicana de Medicina, Mexico, D.F., August 7, 1993.

Annual Meeting of the American Society of Anesthesiologists, Washington, D.C.: "Epidural Fibrosis Developing in Chronically-Implanted Epidural Catheters," October 9-13, 1993.

American Academy of Pain Management 1993 Convention, Knoxville, Tennessee: "Hemodynamic and Pain Level Changes with Aquasoothe Drywater Massage Therapy in Chronic Pain Syndrome," "Injection of Steroids through the Caudal Approach in Anticoagulated Patients," October 14-17, 1993.

47<sup>th</sup> Postgraduate Assembly, The New York Society of Anesthesiologists, New York, New York: "Pseudomeningocele as Cause of Pain After Laminectomy," "Use of Droperidol in Epidural Infusates," December 11-15, 1993.

Visiting Professor, University of Berne, Switzerland, "Application of Magnesium Therapy in Anesthesia," January 12, 1994.

Visiting Professor, University of Alabama in Birmingham, "Radiology of the Spine for the Anesthesiologist," "Temporary Epidural Infusions for Treatment of Chronic Pain in Homebound Patients," January 31, 1994.

68<sup>th</sup> Clinical and Scientific Congress of the International Anesthesia Research Society, Orlando, Florida: "Epidural Fibrosis Produced from Chronically-Implanted Epidural Catheters," March 5-8, 1994.

19<sup>th</sup> Annual Meeting of The American Society of Regional Anesthesia, Scientific Program Committee, Annual Meeting, Chicago, Illinois, "Non-Malignant Intractable Pain Treated with Temporary Epidural Infusions of Analgesics at Patient's Domicile," "Epidural Fibrosis Developing in Chronically-Implanted Epidural Catheters," April 7-10, 1994.

6<sup>th</sup> International Congress Pain Clinic, Atlanta, Georgia: "Non-Malignant Intractable Pain Treated with Temporary Epidural Infusions of Analgesics at Patient's Domicile," "Infections in Patients with Non-Malignant Chronic Pain with Permanent Epidural Catheter (PEC) Implants," "Infection from Temporary Lumbar Epidural Catheters (TLEC) in Patients with Non-Malignant Pain," April 15-20, 1994.

Seminar on Pain Management, Riverdell Psychiatric Hospital, Panama City, Florida, "Pain Management: Philosophy and Goals," August 5, 1994.

"Treatment of Severe Chronic Non-Malignant Pain with Epidural Infusions in Ambulatory Patients," Lecture at Erasmus University, Institute for Anaesthesiology, Rotterdam, The Netherlands, September 5, 1994.

## **LECTURES AND PRESENTATIONS (cont'd)**

XXVIII Congreso Mexicano de Anestesiología, Cancún, Mexico: “Interpretación Radiológica en Dolor Lumbar,” “Dolor Crónico y Catéteres Ambulatorios,” “Nuevas Interpretaciones de la Escala Aldrete,” “Dolor Crónico No Maligno,” September 13-17, 1994.

ASA 1994 Annual Meeting, San Francisco, California: “Basic Radiology of the Spine for Anesthesiologists,” October 15-19, 1994.

ASA 1994 Annual Meeting, San Francisco, California: “Epidural single shot injections with 25g Quincke Spinal Needles,” October 15-19, 1994.

ASA 1994 Annual Meeting, San Francisco, California: “Infections from Temporary Lumbar Epidural Catheter Infusions (TLECI) in Patients with Non-Malignant Pain,” October 15-19, 1994.

ASA 1994 Annual Meeting, San Francisco, California: “Reduction of Nausea and Vomiting from Epidural Opiates by Adding Droperidol,” October 15-19, 1994.

PGA 48, New York City, New York: “Basic Anatomy and Radiology of the Spine for Anesthesiologists,” Mini-Workshop, December 12, 1994.

ASRA 1995 Annual Meeting, Orlando, Florida: “The Pain Progress Score: A Tool to Measure Therapeutic Progress,” March 30-April 2, 1995.

ASRA 1995 Annual Meeting, Orlando, Florida: “Fine Spine Needles for Single Shot Lumbar Epidural Injections,” March 30-April 2, 1995.

ASRA 1995 Annual Meeting, Orlando, Florida: “Use of Bupivacaine and Morphine in Computerized Implanted Pumps for the Relief of Chronic Non-Malignant Pain,” March 30-April 2, 1995.

Guest Participant, The Wilkerson Group, Inc., New York, New York, Telephone Focus Group on New Concepts in Regional Anesthesia, June 20, 1995.

Asociación Mexicana de Medicina y Cirugía del Trauma, A.C., México City, México, VI Congreso Nacional de Enfermería en Trauma, VI Reunión Nacional de Técnicos en Urgencias Médicas, August 30-September 2, 1995.

American Academy of Pain Management 1995 Convention, Dallas-Fort Worth, Texas: “Preliminary Study of Implanted Permanent Pumps: A Review of Dosage Changes Related to Oral Analgesics,” September 14-17, 1995.

## LECTURES AND PRESENTATIONS (cont'd)

American Academy of Pain Management 1995 Convention, Dallas-Fort Worth, Texas:  
“Temporary Epidural Catheter: Its Impact on Oral Analgesic Usage for Breakthrough Pain,”  
September 14-17, 1995.

Visiting Professor, Department of Anesthesiology, University of South Florida, School of  
Medicine, Tampa, Florida: “Low Flow and Closed Circuit Anesthesia,” October 19, 1995.

Visiting Professor, Department of Anesthesiology, University of South Florida, School of  
Medicine, Tampa, Florida: “Unusual Cases of Local Anesthetics Toxicity,” October 20,  
1995.

American Society of Anesthesiologists 1995 Annual Meeting, Atlanta, Georgia:  
“Suprascapular Nerve Block (SSNB) Prevents Shoulder Pain and Discomfort in Patients in  
the Lateral Position,” October 24, 1995.

American Society of Anesthesiologists 1995 Annual Meeting, Atlanta, Georgia:  
“Prophylactic Antibiotics Reduce the Risk of Infections from Extended Epidural Infusions  
in Ambulatory Patients,” October 24, 1995.

American Pain Society 1995 Annual Meeting, Los Angeles, California: “Combined  
Intrathecal-Epidural Block for Severe Low Back Pain from Arachnoiditis,” November 9-12,  
1995.

American Pain Society 1995 Annual Meeting, Los Angeles, California: “CSF Proteins in  
Patients with Spinal Arachnoiditis with and without Pain Control by Intrathecal Morphine,”  
November 9-12, 1995.

American Pain Society 1995 Annual Meeting, Los Angeles, California: “Epidural Iced-  
Saline Injections for Degenerative Lumbar Spine Diseases in Geriatric Patients,” November  
9-12, 1995.

Question Writer, The American Board of Anesthesiology, American Board of  
Anesthesiology, Pain Management.

VI Congreso Nacional de Medicina y Cirugía del Trauma, Simposio, México City, México,  
“Manejo del Dolor en Trauma,” “Avances en Analgesia,” August 31-September 2, 1995.

PGA 49, New York City, New York: “Comparative Measurements of Skin to Lumbar  
Epidural Space Using Sagittal vs. Axial MRI Views,” “Combined Intrathecal-Epidural  
Block for Severe Low Back Pain from Arachnoiditis,” “Fine Spinal Needles for Single Shot  
Lumbar Injections,” and “Epidural Iced-Saline Injections for Degenerative Lumbar Spine  
Diseases in Geriatric Patients,” December 9-13, 1995.

## **LECTURES AND PRESENTATIONS (cont'd)**

Guest Surveyor, Pain Program Accreditation Program, American Academy of Pain Management, Outpatient Management Program, East Pasco Medical Center, Zephyrhills, Florida, January 25, 1996.

American Academy of Pain Medicine, 12<sup>th</sup> Annual Conference, "Cervical Radiculopathy Treated by Epidural infusions of Analgesics in Homebound Patients: An Update" and "Epidural Injections of Indomethacin for Post-Laminectomy Pain Syndrome," Lake Buena Vista, Florida, February 16-18, 1996.

V Congreso de Anestesia Obstétrica y Dolor, Universidad de Veracruz, Xalapa, "Infusiones Epidurales en Pacientes Ambulatorios," "Contribuciones Originales de Latinoamericanos a la Anestesia," "Radiología de la Columna Vertebral para el Anestesiólogo," Veracruz, Mexico, March 22-25, 1996.

IV Curso Annual, Clínica Reina Sofia, Departamento de Anestesiología, Avances Tecnológicos y Seguridad en Anestesia, "Monitoreo en la UCPA" y "La Máquina de Anestesia Ideal," Bogotá, Colombia, March 21-22, 1997.

Dolor 2000, Jornadas Sobre Tratamiento del Dolor Crónico, "Aracnoiditis: Signos Clínicos y Radiológicos" y "Infusiones Epidurales Prolongadas en Dolor No-Oncológico," Valencia, Spain, May 30-31, 1997.

XXIII Congreso de la Sociedad Española de Anestesiología, Reanimación y Terapia del Dolor, "Ketorolaco: Vías de Administración Alternativas," Zaragoza, Spain, June 4-6, 1997.

III Jornada Internacional de Anestesiología, Sociedad Peruana de Anestesia, Analgesia y Reanimación, "Contribuciones Originales de Latinoamericanos a la Anestesia," "Infusiones Epidurales de Analgésicos," "La Máquina de Anestesia Ideal," y "Casi Circuito Cerrado," Lima, Peru, October 15-18, 1997.

III Jornada Internacional de Anestesiología, "Contribuciones Originales de Latinoamericanos a la Anestesia," Lima, Peru, October 16, 1997.

III Jornada Internacional de Anestesiología, "Infusiones Epidurales de Analgésicos," Lima, Peru, October 16, 1997.

III Jornada Internacional de Anestesiología, "La Máquina de Anestesia Ideal," Lima, Peru, October 16, 1997.

III Jornada Internacional de Anestesiología, "Casi Circuito Cerrado," Lima, Peru, October 16, 1997.

## LECTURES AND PRESENTATIONS (cont'd)

3<sup>er</sup> Curso de Actualización en Dolor Simposio 97 y XVII Reunión, “Manejo Invasivo del Dolor Crónico No-Oncológico” y “El Manejo Crónico del Espacio Epidural,” Instituto de la Nutrición, Mexico City, Mexico, October 10-17, 1997.

3<sup>er</sup>. Curso de Actualización en Dolor Simposio 97 y XVII Reunión EMETD, “Manejo Invasivo del Dolor Crónico no Oncológico,” México, D.F., México, October 18, 1997.

3<sup>er</sup>. Curso de Actualización en Dolor Simposio 97 y XVII Reunión EMETD, “El Manejo Crónico del Espacio Epidural,” México, D.F., México, October 19, 1997.

Henry Ford Hospital, Department of Anesthesiology, “Epidural Infusion in Ambulatory Patients with Chronic Non-Malignant Pain,” “Almost Closed Circuit Anesthesia,” and “Radiology for the Anesthesiologist,” January 20-21, 1998.

Curso de Anestesiología, Hospital Pediátrico de Villahermosa: “Analgésia Epidural for Extended Periods,” “Lumbalgias,” Villahermosa, Tab., Mexico, February 27-28, 1998.

Colombian Society of Anesthesiologists Meeting: “Problemas éticos: Eutanasia,” “Uso de Bloqueos Continuos Epidurales,” “La obsolescencia de Bloqueos Neurolíticos en Pacientes con Cancer,” Bogotá, Colombia, May 1-3, 1998.

VIII Congreso Internacional de Dolor, “Perspectivas del Dolor para el Año 2000,” “Eutanasia vs. Suicidio Asistido,” “Radiología de la Columna Vertebral para el No Radiólogo,” “Modalidades de Inyecciones en los Puntos Gatillo,” Santafé de Bogotá D.C., Colombia, May 1-3, 1998.

Primer Simposio Internacional, “Manejo Anestésico de la Paciente Obstétrica en Estado Crítico,” “Valoración de Aldrete, Modificada,” “Lumbalgias,” “Sulfato de Magnesio e Interacciones Anestésicos,” “Shock Séptico,” “Dolor Crónico en la Paciente Embarazada” y “Infusiones Peridurales para Paciente Ambulatorio con Dolor No-Canceroso,” Hermosillo, Mexico, June 17-18, 1998.

Profesor al Décimo Aniversario de la Clínica del Dolor del Hospital General de Occidente: “Radiológico Diagnóstico,” y “Infusión Continua Epidural Ambulatoria en Dolor Lumbar,” Guadalajara, Mexico, July 24-26, 1998.

American Society of Anesthesiology Annual Meeting, Scientific Exhibit, “Can Anesthesiologists Interpret MRI Films of the Spine?,” with Luis A. Vascello, M.D. and R. Ghaly, M.D., Orlando, Florida, October 18-22, 1998.

## LECTURES AND PRESENTATIONS (cont'd)

International College of Surgeons, Argentina Section, "Ambulatory Treatment of Pain in Acute Cholecystitis," "Fractured Vertebrae and Fractured Ribs," "El Score de Aldrete," "Outpatient Anesthesia," Buenos Aires, November 14-17, 1998.

3<sup>rd</sup> Polish ESRA Symposium, "Basic Radiology of the Spine for Anesthesiologists," "Application of Fine Epidural Needles," "Extended Epidural Infusions in Ambulatory Patients with Chronic Pain," Kieke, Poland, June 3-5, 1999.

XXVIII Congreso Argentino de Anestesiología, "Infusiones Epidurales en Pacientes Ambulatorios," "Criterios en la Sala de Recuperación," "SCORE de Aldrete," "Arachnoiditis, Enfermedad Iatrogénica," "Tratamiento del Dolor en Cirugía Ambulatoria," "Mecanismos de Lumbalgia," y Presentación del libro: "Esquemas y Conceptos para la Práctica de la Anestesia," Buenos Aires, Argentina, August 4-6, 1999.

Congreso de Anestesiología, "Mecanismos de la Lumbalgia," "Modificaciones de la Escala de Aldrete," "Bloqueos de Cabeza y Cuello," "Etiología de la Aracnoiditis," Universidad de Guadalajara, Guadalajara, Jalisco, Mexico, February 10-11, 2000.

XXVII Congreso Mexicano de Reumatología, "Manejo del Dolor con Inhibidores Específicos de Ciclooxygenasa 2," León, Guanajuato, México, February 12, 2000.

Simposio Searle/Pfizer, "Perspectivas del empleo de celecoxib en el nuevo milenio", Hotel Fiesta Americana, León, Guanajuato, México, February 15, 2000.

II Congreso Internacional, "Avances Farmacológicos e Intervencionistas en el Tratamiento del Dolor," "20 de Noviembre" I.S.S.T.E., "Tratamiento de las Fracturas de Vertebrae Osteoporóticas por Infusiones Epidurales," "Radiología de la Columna Vertebral para el No Radiólogo," Mexico City, Mexico, May 17-19, 2000.

40<sup>th</sup> Anniversary Celebration Scientific Session, Department of Anesthesiology & Pain Management, Cook County Hospital, "The Etiology of Arachnoiditis and Its Relationship to Regional Anesthesia," Chicago, Illinois, July 1, 2000.

Joint Annual ESRA/EuroPain Congress (XIX Annual Congress European Society of Regional Anaesthesia / EuroPain 8<sup>th</sup> European Conference on Pain Research), "Epidural Indomethacin in Diabetic Patients," "Radiological Diagnosis of Arachnoiditis in Relation to Possible Cause," "Methylprednisolone, Bupivacaine, and Iced Saline for Radicular Sciatic Pain," "Clinical Symptoms of Arachnoiditis," Rome, Italy, September 20-23, 2000.

IV congreso Internacional de Clinica del dolor y cuidados paliativos. (Chiapas 2000), "Taller: Radiología de la columna vertebral salon camino real II" Chiapas, Mexico, October 31-November 4, 2000.

## LECTURES AND PRESENTATIONS (cont'd)

The 26<sup>th</sup> Congress, The Scandinavian society of Anaesthesiology and Intensive Care Medicine. “Arachnoiditis following regional anaesthesia/pain management – fact or fiction?” “Single – shot epidural with fine needles”, “Combined spinal-epidural block in the management of pain.” Tromso, Norway, June 13-17, 2001

Stokes Veterans Administration Medical Center. “Epidural infusions of analgesics for ambulatory patients,” “Arachnoiditis: a dormant disease in evolution”. Cleveland, Ohio June 27, 2001.

Congreso Nacional de Médicos Residentes del I.S.S.S.T.E., XX Aniversario Asociación de Médicos residentes del I.S.S.S.T.E. A.C. “Contribuciones originales de Mexicanos a la anestesiología,” “Dolor, el quinto signo vital.” Oaxtepec, Morelos, Mexico, September 27-29, 2001.

PGA 55. “Prevention of arachnoiditis produced from neuroaxis anesthesia and pain management procedures.” New York City, New York, December 7-11, 2001.

ALFA Meeting. “Sevoflurane Anesthesia in dogs under closed circuit system.” Pisa, Italy, April 26-28, 2002.

AAARBA. “Neuroanestesia.” Aula de la Asociación, Buenos Aires, Argentina, August 12, 2002.

AAARBA. “Aracnoiditis (Neurocirujanos),” “Esteroides en lumbalgia.” Aula de la Asociación, Buenos Aires, Argentina, August 13, 2002.

AAARBA. “Bajos Flujos,” “Aracnoiditis: Etiología, Fisiopatología y Tratamiento.” Aula de la Asociación, Buenos Aires, Argentina, August 14, 2002.

AAARBA. “Flujos Bajos,” “Flujos Bajos-Aracnoiditis.” Aula de la Asociación, Buenos Aires, Argentina, August 15, 2002.

AAARBA. “Escala de Aldrete,” “Aracnoiditis por Anestesia Regional,” Recuperación postanestésica.” Aula de la Asociación, Buenos Aires, Argentina, August 22, 2002.

Ateneo de Anestesiología de la AAVRA, Facultad de Ciencias Veterinarias, Universidad de Buenos Aires, Argentina. “Anestesia de bajos flujos.” Buenos Aires, Argentina, August 23, 2002.

AAARBA. “Curso de Dolor-Aracnoiditis.” Aula de la Asociación, Buenos Aires, Argentina, August 14, 2002.

## LECTURES AND PRESENTATIONS (cont'd)

Fundacion Dolor. Fundacion de la Asociacion de Anestesiologia de Buenos Aires para el estudio, investigacion y tratamiento del Dolor. "Causas y fisiopatología de la aracnoiditis," "Diagnóstico y tratamiento de la aracnoiditis," "Esteroides peridurales: Controversias y alternativas." Buenos Aires, Argentina, August 24, 2002.

AAARBA. "Circuito casi cerrado," "Aracnoiditis," "controversias de los esteroides peridurales." Aula de la Asociación, Buenos Aires, Argentina, August 25, 2002.

Asociación Marplatense de Anestesiología, Federación Argentina de Asociaciones de Anestesia, Analgesia y Reanimación, Colegio de Médicos de la Provincia de Buenos Aires. "Radiología de la Columna vertebral para Anestesiólogos," "Aracnoiditis, causas y fisiopatología," "Aracnoiditis, diagnóstico y tratamiento," "Aracnoiditis causada por Anestesia Regional e intervencionismo," "Aracnoiditis causada por procedimientos quirurgicos de columna," "Aracnoiditis causada por mielografía," "Flujos Bajos y Circuito casi cerrado." Buenos Aires, Argentina, August 24-25, 2002.

Hospital R. Gutiérrez "Ketamina por iva nasal," "Circuito cerrado en pediatria." Buenos Aires, Argentina, August 26, 2002.

K. Takaoka. Tecnologia Médica do Brasil para o Mundo. Mesa Redonda. São Paulo, Brasil, August 28, 2002.

XXXVI Congreso Mexicano de Anestesiología 2002. "Circuito casi cerrado", "Diagnóstico y Tratamiento de la Aracnoiditis". Veracruz, México September 12-15, 2002.

2nd International Symposium. Progress in Pain Treatment. "Arachnoiditis caused by local anesthesia and other pain management procedures." Zakopane, Poland, September 25-28, 2002.

American Society of Anesthesiologists 2002 Annual Meeting, Orlando, Florida: "Arachnoiditis from neuroaxial anesthesia," "Does Phenol produce neurolysis or ischemia?" "Reduction of headache in Chiari I malformation." October 12-16, 2002.

VI Congreso Internacional de Clinica del Dolor y Cuidados Paliativos. "Utilidad de los esteroides como tratamiento en la aracnoiditis," "Aracnoiditis: diagnóstico por imagen." Cancún, México, October 24-27, 2002.

II Congreso Virtual Mexicano de Anestesiología y I Congreso Virtual Latinoamericano de Anestesiología. "Aracnoiditis." [www.anestesia.commx/congreso2002](http://www.anestesia.commx/congreso2002). November 1 and 31, 2003.

## LECTURES AND PRESENTATIONS (cont'd)

III Congreso Nicaragüense de Anestesiología aracnoidits y aspectos médico legales en anestesia. “Radiología de la columna vertebral para anestesiólogos.” “Etiología y patofisiología de la arachnoiditis.” “Prevención de la arachnoiditis por anestesia neuroaxial.” “Aracnoiditis por intervenciones quirúrgicas y procedimientos intervencionistas.” “Un mundo sin oxido nitros.” “Modificaciones a la escala de Aldrete.” Managua, Nicaragua, March 27-29, 2003.

Simposiom Internacional del dolor Puebla 2003. “Síndrome de la espalda fallida. ¿Quién falló?” Puebla, Mexico, May 8, 2003.

VIII Congreso Dominicano de Anestesiología. “Círculo casi Cerrado,” “Un mundo sin Oxido Nitroso.” Santo Domingo, Dominican Republic, June 12, 2003.

VIII Congreso Dominicano de Anestesiología. “Modificación de la Escala de Aldrete,” “Radiología de la columna vertebral lumbar,” “Etiología y patofisiología de la Aracnoiditis,” “Aracnoiditis causada por Anestesia neuroaxial.” Santo Domingo, Dominican Republic, June 13, 2003.

Asociación Argentina de Anestesiólogos Buenos Aires. “The cascade of oxygen in the pulmonary system,” “Allergy to local anesthetics.” Buenos Aires, Argentina, July 16-18, 2003.

Asociación de Anestesiólogos de Córdoba. “Modificaciones al esquema de Aldrete,” “Causas y Fisiopatología de Arachnoiditis,” “Anestesia Regional y Aracnoiditis.” Córdoba, Argentina, July 19, 2003.

“Modificaciones al Esquema de Aldrete.” Hospital “Garragan,” Buenos Aires, Argentina, August 22, 2003.

“Aracnoiditis por anestesia neuroaxial.” Hospital “Ramos Mejía,” Buenos Aires, Argentina, August 24, 2003.

2º Curso de Actualización en Anestesiología. Colegio de Anestesiólogos del Estado de México A.C.” “Círculo Casi Cerrado,” “Modificación a la Escala de Aldrete.” Hotel Del Rey Aeropuerto, Toluca, México, August 6, 2003.

IX Curso de Anestesia en Ginecoobstetricia de Alto Riesgo. “Aracnoiditis, la Epidemia Silenciosa”, “Anatomía Aplicada en bloqueos Regionales Espinales”. Hotel Real de Jon Juan, Tepic, Nayarit, México, September 13-15, 2003.

## LECTURES AND PRESENTATIONS (cont'd)

American Society of Anesthesiologists 2003 Annual Meeting, San Francisco, California:  
“Who presents free papers at the annual Meeting of the American Society of Anesthesiologists?” Propanolol and Acetazolamide in patients with postlaminectomy pseudomeningocele.” Comparison of epidural Indomethacin to Methylprednisolone in Diabetic Patients.” Nerve root axon regeneration after intrathecal injection of phenol.” “Causes of Arachnoiditis.” October 11-15, 2003.

“Early History of Anesthesia for Liver Transplantation.” Grand Rounds, Anesthesiology UAB. University of Alabama in Birmingham, October 20, 2003.

“Síndrome de cirugía fallida de espalda.” Academia Mexicana de Cirugía, México D.F., México, October 21, 2003.

“Cervicobraquialgias”, “Indometacina por Vía Peridural, una alternativa a los esteroides.” VII Congreso Internacional de Clínica del dolor y cuidados paliativos (amal). Tampico, México, October 23-26, 2003.

“Aracnoiditis, causas, diagnóstico y tratamiento”, Invitado por el Ministerio de Salud Pública de Cuba y La Sociedad Cubana de Anestesiología y Reanimación, La Habana, Cuba, November 5, 2003

“Cervicobraquialgias” , “Anatomía radiológica de la columna vertebral para anestesiólogos”, “Actualización del score de Aldrete” Invitado por el Ministerio de Salud Pública de Cuba y La Sociedad Cubana de Anestesiología y Reanimación, La Habana, Cuba, November 6, 2003.

“Presentación del libro “Anestesiología Teórica Práctica.” XXXVII Congreso Mexicano de Anestesiología y Curso de Actualización, Zacatecas, Mexico, November 19-22, 2003.

“Modificaciones de la Escala de Aldrete.” II Curso de Anestesiología de Nayarit, Universidad Autónoma de Nayarit, Nayarit, Mexico, December 3-7, 2003.

“Radiología de la columna lumbar para anestesiólogos.” II Curso de Anestesiología de Nayarit, Universidad Autónoma de Nayarit, Nayarit, Mexico, December 3-7, 2003.

“Un mundo sin óxido nitroso.” II Curso de Anestesiología de Nayarit, Universidad Autónoma de Nayarit, Nayarit, Mexico, December 3-7, 2003.

“Círculo casi-cerrado.” II Curso de Anestesiología de Nayarit, Universidad Autónoma de Nayarit, Nayarit, Mexico, December 3-7, 2003.

“Medical Litigation.” Paralegal Program, Virginia College, Birmingham, Alabama, December 8, 2003.

## LECTURES AND PRESENTATIONS (cont'd)

“Arachnoiditis from neuroaxial anesthesia.” Kanazawa University, Kanazawa, Ishikawa, Japan, December 16, 2003.

“Cefalea postpunción.” VI Curso Regional de Anestesiología region VI, Colegio de Anestesiólogos de León, Leó, Mexico, January 24, 2004.

“Síndrome transitorio de raíces nerviosas.” VI Curso Regional de Anestesiología region VI, Colegio de Anestesiólogos de León, Leó, Mexico, January 24, 2004

“Diagnóstico y manejo de la Aracnoiditis postpunción.” X curso del Noroeste y IV Intenracional de Temas Selectos en Anestesiología, Universidad Autonoma de Sinaloa, Mazatlán, México, March 6, 2004.

“Técnicas anestésicas con maniobras del neuroeje.” X curso del Noroeste y IV Intenracional de Temas Selectos en Anestesiología, Universidad Autonoma de Sinaloa, Mazatlán, México, March 6, 2004.

“Beware of dural sac anomalies and abnormalities.” 13<sup>th</sup> World Congress of Anaesthesiologists, Paris, France, April 19-22, 2004.

“Pain generators in patients with failed back syndrome.” 13<sup>th</sup> World Congress of Anaesthesiologists, Paris, France, April 19-22, 2004.

“Epidural steroids vs paravertebral nsaid’s + reduced steroids on outcomes inpatients with failed back syndrome.” 13<sup>th</sup> World Congress of Anaesthesiologists, Paris, France, April 19-22, 2004.

“Outcome differences between lumbar. caudal, transforaminal or paravertebral injections of steroids for HNP and FBS.” 13<sup>th</sup> World Congress of Anaesthesiologists, Paris, France, April 19-22, 2004.

“Lack of neurotoxicity from chronic intrathecal infusion of indomethacin in guinea pigs.” 13<sup>th</sup> World Congress of Anaesthesiologists, Paris, France, April 19-22, 2004.

“Nerve Root Regeneration.” 13<sup>th</sup> World Congress of Anaesthesiologists, Paris, France, April 19-22, 2004.

“Circuito casi cerrado.” II Curso de Actualización en Anestesiología, Guadalajara, Jalisco, México, May 7, 2004.

“Un mundo sin óxido nitroso.” II Curso de Actualización en Anestesiología, Guadalajara, Jalisco, México, May 7, 2004.

## LECTURES AND PRESENTATIONS (cont'd)

“Contribuciones Originales de Latinoamericanos a la anestesia.” II Curso de Actualización en Anestesiología, Guadalajara, Jalisco, México, May 7, 2004.

“History of Anesthesia for Liver Transplantation.” Key note speaker at AHA 2004 Spring Meeting, Rosemont, Illinois, May 8, 2004.

Open Forum “Certificación y re-certificación en anestesiología ¿Sí y No?” 1º Jornada Internacional de Educacion en Anestesia “Dr. Jorge Antonio Aldrete”, Universidad Catolica de Santiago de Guayaquil, Guayaquil, Ecuador, May 14 – 15, 2004.

Open Forum “Perspectiva Histórica de Manejo de la Vía Aérea.” 1º Jornada Internacional de Educacion en Anestesia “Dr. Jorge Antonio Aldrete”, Universidad Catolica de Santiago de Guayaquil, Guayaquil, Ecuador, May 14 – 15, 2004.

Open Forum “Estudio de una quimera: Aracnoiditis, de la ficción a la realidad.” 1º Jornada Internacional de Educacion en Anestesia “Dr. Jorge Antonio Aldrete”, Universidad Catolica de Santiago de Guayaquil, Guayaquil, Ecuador, May 14 – 15, 2004.

Open Forum “Contribuciones Originales de Latinoamericanos a la Anestesiología” 1º Jornada Internacional de Educacion en Anestesia “Dr. Jorge Antonio Aldrete”, Universidad Catolica de Santiago de Guayaquil, Guayaquil, Ecuador, May 14 – 15, 2004.

Open Forum “Circuito casi cerrado.” 1º Jornada Internacional de Educacion en Anestesia “Dr. Jorge Antonio Aldrete”, Universidad Catolica de Santiago de Guayaquil, Guayaquil, Ecuador, May 14 – 15, 2004.

“Aracnoiditis. Complicaciones secundarias a la administración de fármacos y maniobras quirúrgicas.” Jornada de Actualización en Farmacología Centenario de la Facultad de Ciencias Veterinarias, Buenos Aires, Argentina, May 24, 2004.

“Cefalalgia post-punción dural.” Primeras Jornadas Rosarinas de Anestesia en Cirugía Ambulatoria, Fundación Anestesiológica de Rosario, Rosario, Argentina, May 25, 2004.

“Deficits neurológico y aracnoiditis pos anestesia neuroaxial.” Primeras Jornadas Rosarinas de Anestesia en Cirugía Ambulatoria, Fundación Anestesiológica de Rosario, Rosario, Argentina, May 25, 2004.

“Charla final: Escalas de evaluación post anestésicas.” Primeras Jornadas Rosarinas de Anestesia en Cirugía Ambulatoria, Fundación Anestesiológica de Rosario, Rosario, Argentina, May 25, 2004.

“¿Quién necesita N<sub>2</sub>O? ALFA 2004, Donosita, San Sebastián, Spain, October 14-16, 2004.

## LECTURES AND PRESENTATIONS (cont'd)

Interviewed for the “Living History of Anesthesiology” sponsored by the Word Library-Museum of Anesthesiology, ASA Annual Meeting, Diamond 1 Room, Las Vegas Convention Center, Las Vegas, Nevada, October 24, 2004, 1:00 pm-2:30 pm.

“De lumbalgia a syndrome de la espalda fallida”. Congreso del Centenario, Hospital General de México, 7-9 February, 2005.

“Anormalidades del Saco Dural Espinal y sus Apéndices en Relación a la Algología” Congreso del Centenario, Hospital General de México, 7-9 February, 2005.

“Alberto Gutierrez”. History of Anesthesia, University of Alabama at Birmingham, Birmingham, Alabama, February 14, 2005.

“Manuel Curbelo”. History of Anesthesia, University of Alabama at Birmingham, Birmingham, Alabama, February 14, 2005.

“Radiología de la columna vertebral para el Anestesiologo”.IV Congreso Nacional, Managua, Nicaragua, March 11, 2005.

“Lumbalgias”. 2<sup>do</sup> Simposio Internacional sobre el dolor, Monterrey, Mexico, May 25, 2005.

“Altitude and Anesthesia”. 2<sup>a</sup> Jornadas Internacionales de Educación en Anestesia, Guayaquil, Ecuador, May 26-28, 2005.

“Radiología para anestesiologos”. 2<sup>a</sup> Jornadas Internacionales de Educación en Anestesia, Guayaquil, Ecuador, May 26-28, 2005.

“Anatomía aplicada de la columna vertebral”, “Cefalea post-punción dural”, “El síndrome doloroso postlaminectomía”. 3<sup>o</sup> Coloquio con Expertos en Anestesiología, Buenos Aires, Argentina, October 12, 2005.

“Can anesthesiologists Indicate Steroid Epidural Injections from MRI films?” ASA Annual Meeting, Georgia World Congress Center, Atlanta, Georgia, October 23 - 25, 2005.

“Extreme Cases of Arachnoiditis From Interventional and Spinal Operative Procedures.” ASA Annual Meeting, Georgia World Congress Center, Atlanta, Georgia, October 24, 2005, 9:00 AM - 11:00 AM.

“Contributions to Regional Infiltration Anesthesia by Alberto Gutierrez.” ASA Annual Meeting, Georgia World Congress Center, Atlanta, Georgia, October 24, 2005, 9:00 AM - 11:00 AM.

## LECTURES AND PRESENTATIONS (cont'd)

“Liver Transplantation” History of Solid Organ Transplantation panel. ASA Annual Meeting, Georgia World Congress Center, Atlanta, Georgia, October 25, 2005, 14:00 - 16:00.

“Alteraciones postquirurgicas en el saco dural y dolor”. Curso de Postgrado para especialistas (Algología), Instituto Nacional de Ciencias Medicas y Nutricion Salvador Zubirán, México D.F., México, January 11, 2006.

“Escalas de Recuperación Postanestésica – Nuevas Aplicaciones del Score de Aldrete”. 5° Coloquio con Expertos en Anestesiología, Buenos Aires, Argentina, March 15, 2006.

“Quantitative anaesthesia. History of inhaled anaesthetic delivery via closed circuits.” 11th Course on Mechanical Ventilation, Valencia, Spain, April 27, 2006.

“Can Inhalation Anesthetics be Administered by Alternative Routes?” AUA 53<sup>rd</sup> Annual Meeting, Loews Ventana Canyon, Tucson, Arizona, May 11-13, 2006.

“Aldrete’s Recovery Score”. Department of Anesthesiology and Pain Management. Cook County Hospital, Chicago, IL, October 16, 2006.

“Can Anesthesiologists Identify Lumbar Discopathy in MRI’s That Would Indicate ESI? ASA Annual Meeting, Chicago, Illinois, October 17, 2006, 9:00-11:00.

“ESI vs Paravertebral Reduced Steroids, Dipirona and Propoxyphene for Postlaminectomy Syndrome. ASA Annual Meeting, Chicago, Illinois, October 14, 2006, 14:00-16:00.

“Intravenous Sevoflurane Administration in Pigs Connected to a Rebreathing anesthetic System. ASA Annual Meeting, Chicago, Illinois, October 17, 2006, 14:00-16:00.

“The History of Anesthesia for Liver Transplantation. ASA Annual Meeting, Chicago, Illinois, October 14, 2006, 9:00-11:00.

“Failed Back Surgery Syndrome: The New Challenge in Pain Management” ASA Annual Meeting, Chicago, Illinois, October 15-17, 2006.

“The Early History of Anesthesia for Liver Transplantation”. 2006-2007 Reynolds Lecture Series. Lister Hill Library, University of Alabama at Birmingham, Birmingham, Alabama, April 10, 2007.

“Does Magnesium Produce Anesthesia? Truth or Illusion”. Anesthesia History Association. 25<sup>th</sup> Annual Meeting. Medicine and the Civil War in Middle Tennessee. Nashville, Tennessee, May 5, 2007.

## LECTURES AND PRESENTATIONS (cont'd)

“Complicaciones Neuroaxiales de los Anestésicos Locales”. El Colegio de Anestesiólogos del Estado de Chihuahua, A.C., Chihuahua, Mexico, May 25, 2007.

“Síndrome de cirugía fallida y abordaje del Algólogo”. 9 Aniversario Jornadas Medicas Avances del Nuevo Milenio. CIMA, Chihuahua, Mexico, May 26, 2007.

“Evitando el dolor por propofol”. Coordinator “Propofol Gray sin dolor.” Hotel las Naciones, Buenos Aires, Argentina, July 11, 2007.

“Escalas de recuperación – cirugía torácica.” 7° Coloquio con Expertos en Anestesiología, Hospital Gral. de agudos Dr. J.R. Ramos Mejía, Buenos Aires, Argentina, July 18, 2007.

“Flujos Bajos - Escalas de Recuperación Postanestésica.” 6° Coloquio con Expertos en Anestesiología, Hospital Gral. de agudos Dr. J.R. Ramos Mejía, Buenos Aires, Argentina, July 20, 2007.

“Anest. Inhalatoria con bajos flujos vs anest. Intravenosa. Anest. General vs anest. Regional en procedimientos de corta duración.” Sociedad Dominicana de anestesiología, Inc., Clínica Abteu, Santo Domingo, Dominican Republic. August 23, 2007.

“Evaluación de una Nueva Formulación para el Propofol. Informe Preliminar. 36 Congreso Argentino de Anestesiología, IV Encuentro Latinoamericano de Anestesiología Pediátrica, Salta, Argentina. September 26-29, 2007.

Riesgo de déficit neurológico por anestesia neuroaxial.” 36 Congreso Argentino de Anestesiología, IV Encuentro Latinoamericano de Anestesiología Pediátrica, Salta, Argentina. September 27, 2007.

“Disminución de los riesgos en el uso de Propofol. Peculiaridades y avances.” 36 Congreso Argentino de Anestesiología, IV Encuentro Latinoamericano de Anestesiología Pediátrica, Salta, Argentina. September 27, 2007.

Mesa Redonda: Nuevos Aspectos Clinicos sobre Propofol.” 36 Congreso Argentino de Anestesiología, IV Encuentro Latinoamericano de Anestesiología Pediátrica, Salta, Argentina. September 29, 2007.

“Identifying Medications by a Label Containing Complete Evidenciary Information of the Anesthetic.” ASA Annual Meeting, San Francisco, California, October 13-17, 2007.

“Cause and Prevention of the Pain at Injection from Propofol.” ASA Annual Meeting, Chicago, Illinois, October 13-17, 2007.

## LECTURES AND PRESENTATIONS (cont'd)

“The (not so) Good Old Days.” ILTS/ASA Perioperative Care in Liver Transplantation. San Francisco Hilton, San Francisco, California, October 14, 2007.

“Etiología de los déficits neurológicos por bupivacaina intratecal: dosis o toxicidad.” XXIX Congreso Latinoamericano de Anestesiología, XLI Congreso Mexicano de Anestesiología, IV Congreso Iberoamericano, Cancún, Quintana Roo, México, November 22, 2007.

“Modificaciones del score post anestésico de Aldrete.” XXIX Congreso Latinoamericano de Anestesiología, XLI Congreso Mexicano de Anestesiología, IV Congreso Iberoamericano, Cancún, Quintana Roo, México, November 23, 2007.

“Complicaciones neurológicas epidemiología de la Aracnoiditis posterior a bloqueo espinal.” XXIX Congreso Latinoamericano de Anestesiología, XLI Congreso Mexicano de Anestesiología, IV Congreso Iberoamericano, Cancún, Quintana Roo, México, November 24, 2007.

“Administración de propofol sin dolor.” XXIX Congreso Latinoamericano de Anestesiología, XLI Congreso Mexicano de Anestesiología, IV Congreso Iberoamericano, Cancún, Quintana Roo, México, November 24, 2007.

“Manuel Martínez Curbelo.” XXIX Congreso Latinoamericano de Anestesiología, XLI Congreso Mexicano de Anestesiología, IV Congreso Iberoamericano, Cancún, Quintana Roo, México, November 24, 2007.

Mesa de discusión sobre “Dolor Crónico” XXIX Congreso Latinoamericano de Anestesiología, XLI Congreso Mexicano de Anestesiología, IV Congreso Iberoamericano, Cancún, Quintana Roo, México, November 24, 2007.

“Clinical and Laboratory Research in Anesthesia for Liver Transplantation: (1965-1980). Anesthesia History Association 2008 Annual Spring Meeting “the Gilded Age and the Great Industrialists”, Pittsburgh, PA, May 9, 2008.

“Hayden’s Pneumatophora: A Chloroform and Ether Inhaler.” Anesthesia History Association 2008 Annual Spring Meeting “the Gilded Age and the Great Industrialists”, Pittsburgh, PA, May 9, 2008.

## LECTURES AND PRESENTATIONS (cont'd)

“Complicaciones postcirugía de columna.” 3er Simposio Internacional para Especialistas. Juriquilla, Querétaro, México. July 11-13, 2008.

“Aracnoiditis.” 3er Simposio Internacional para Especialistas. Juriquilla, Querétaro, México. July 11-13, 2008.

“Desarrollo historico de los aspectos anestésicos y metabólicos necesarios para que los transplantes hepáticos pudieran hacerse.” XXVIII Reunion Anual Medica y el XXVI Curso de Actualizacion en Gastroenterología “Dr. Hector Orozco Sepeda”. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán. Tlalpan México D.F., México. July 25, 2008.

“Déficit neurológico post anestesia subaracnoidea, con el uso de altas dosis soluciones hiperbáricas.” 37º Congreso Argentino de Anestesiología VIII Panamerican Symposium of Regional Anesthesia – LASRA, Buenos Aires, Argentina, August 16, 2008.

“Cloroprocaina al 3% neuroaxial ¿Solución o inconveniente?” 37º Congreso Argentino de Anestesiología VIII Panamerican Symposium of Regional Anesthesia – LASRA, Buenos Aires, Argentina, August 16, 2008.

“Anestesia con desflurano en caninos. Empleo del vaporizador ubicado dentro de un circuito para ventilar semi cerrado de anestesia.

“Ventilación a presión positiva en cerdos empleo de un único circuito anestésico con respirador paraventilar dos cerdos en forma simultanea.” 37º Congreso Argentino de Anestesiología VIII Panamerican Symposium of Regional Anesthesia – LASRA, Buenos Aires, Argentina, August 16, 2008.

Disertante de la sesión: Historia Siglo XIX con el tema 1846: Creación de la palabra anestesia y uso de los primeros agentes anestésicos. 37º Congreso Argentino de Anestesiología VIII Panamerican Symposium of Regional Anesthesia – LASRA, Buenos Aires, Argentina, August 16, 2008.

Disertante de la sesión: Historia Siglo XIX con el tema Técnicas que hicieron posible la anestesiología moderna. 37º Congreso Argentino de Anestesiología VIII Panamerican Symposium of Regional Anesthesia – LASRA, Buenos Aires, Argentina, August 16, 2008.

“Cefalea postpunción dural.” XXI Curso Internacional de Actualización en Anestesiología. Puebla, México, August 30, 2008.

## **LECTURES AND PRESENTATIONS (cont'd)**

“Déficits neurológicos post-anestesia obstétrica.” XXI Curso Internacional de Actualización en Anestesiología. Puebla, México, August 30, 2008.

“Aracnoiditis en Anestesia Obstétrica.” XXI Curso Internacional de Actualización en Anestesiología. Puebla, México, August 30, 2008.

## **PAIN MANAGEMENT SEMINARS, HUMANA HOSPITAL – DESTIN, FLORIDA**

Analgesics & Routes of Administration: **Aldrete JA**, 09/06/90.  
Management of Neck & Shoulder Pain: **Aldrete JA**, 11/28/90.  
Pain from Intestinal Visceral Myopathy: **Aldrete JA**, Weiner HS, Smith D, 12/12/90.  
Trigger Points without Injection: **Aldrete JA**, Mazloomdoost M, 12/20/90.  
Agonist-Antagonist as Analgesics in Chronic Pain: **Aldrete JA**, 01/09/91.  
Low Back Pain in the Normal Radiological Spine: **Aldrete JA**, Harasimowicz JA, 01/23/91.  
Reflex Sympathetic Dystrophy in the Lower Extremity: **Aldrete JA**, 02/02/91.  
Groin Pain: An Enigma: **Aldrete JA**, 02/10/91.  
Review of Opioids & Analgesics: **Aldrete JA**, 03/06/91.  
Clues on Migraine Headaches: **Aldrete JA**, Jones M, 03/20/91.  
Acupuncture in Management of Chronic Pain: **Aldrete JA**, Mei Ling, 04/18/91.  
National Symposium on Acute Pain Management: **Aldrete JA**, 05/15/91.  
Herpes Zoster and Post-Herpetic Neuralgia: **Aldrete JA**, 07/24/91.  
Spinal Cord Stimulators for Treatment of Chronic Pain: **Aldrete JA**, Rumbley R, 09/04/91.  
Cryoanalgesia: **Aldrete JA**, 12/04/91.  
Hemodynamic & Metabolic Effects of Stress: **Aldrete JA**, 12/20/91.  
Chronic Pain Support Groups: **Aldrete JA**, Daniell B, Decker B, Yarcho C, 02/05/92.  
Tricks and Kinks in Long-Term Epidural Catheters: **Aldrete JA**, 02/18/92.  
Pain and Needles: **Aldrete JA**, Bacca M, 03/18/92.  
Pain in the Diabetic Patient: **Aldrete JA**, Aldrete Velasco JA, 04/15/92.

## **PAIN MANAGEMENT SEMINARS, PAIN AND SPINE INSTITUTE NW FLORIDA COMMUNITY HOSPITAL, CHIPLEY, FLORIDA**

Herpes Zoster/Post-Herpetic Neuralgia: **Aldrete JA**, 05/23/95.  
Osteoarthritis of the Cervical Spine: **Aldrete JA**, 06/27/95.  
Groin Pain: An Enigma: **Aldrete JA**, 07/25/95.

## **BIBLIOGRAPHY (English)**

**Aldrete JA**, Fraser JG: Intravenous lidocaine as a supplement to nitrous oxide anesthesia for radical middle-ear surgery. *Can Anaesth Soc J* 13: 397-402, 1966.

**Aldrete JA**, Virtue RW: Effects of prolonged inhalation of hydrocarbon gases on rats. *Anesthesiology* 28: 230-240, 1966.

Regan AG, **Aldrete JA**: Prolonged apnea after administration of promazine hydrochloride following succinylcholine infusion. *Anesth Analg* 46: 315-318, 1967.

**Aldrete JA**, Virtue RW: Prolonged inhalation of inert gases by rats. *Anesth Analg* 46: 562-566, 1967.

**Aldrete JA**, Davis HS, Hingson RA: Anesthesia factors in the surgical management of hip fractures. *J Trauma* 7: 818-824, 1967.

**Aldrete JA**: Effects of prolonged inhalation of anesthetic and other gases upon the formed elements of blood and bone marrow of rats. Thesis for partial fulfillment of the requirements for the degree of Master of Sciences, Anesthesiology. University of Colorado Graduate School, June 1967.

**Aldrete JA**, Barnes DR, Aikawa JK: Does magnesium produce anesthesia? Effects of its administration on the cardiovascular and nervous systems. *Anesth Analg* 47: 428-433, 1968.

**Aldrete JA**, Barnes DR: 4-hydroxybutyrate anesthesia for cardiovascular surgery. *Anesthesia* 23: 558-565, 1968.

**Aldrete JA**: Asthma and the anesthesiologist: I. Effects of anesthetics and related drugs in asthmatics. *Postgraduate Med* 44: 93-97, 1968.

**Aldrete JA**, Johnson DA: Allergy to local anesthetics. *JAMA* 207: 356-357, 1969.

**Aldrete JA**, Barnes DR, Sidon M, et al.: Studies of effects of the addition of potassium chloride to lidocaine. *Anesth Analg* 48: 269-276, 1969.

Swanson JA, **Aldrete JA**: Thrombophlebitis after intravenous infusion. *Rocky Mt Med J* 66: 48-51, 1969.

Sidon MA, **Aldrete JA**, McMullen RB, et al.: Evaluation of the addition of potassium chloride to lidocaine as an anesthetic in dentistry. *JADA* 78: 555-562, 1969.

**Aldrete JA**, Itkin IH: Effects of chloral hydrate on respiration on non-asthmatics and asthmatic patients. *J Allergy* 43: 343-349, 1969.

## **BIBLIOGRAPHY (English cont.d)**

**Aldrete JA**, Clapp HW, Weber M: Transurethral resection with subarachnoid block. *JAMA* 208: 1021-1023, 1969.

Cundy R, **Aldrete JA**, Thomas J: Intestinal distension produced by nitrous oxide or ethylene inhalation. *Surg Gynecol Obstet* 129: 108-112, 1969.

Stevens K, **Aldrete JA**: Anesthetic factors affecting surgical morbidity and mortality of the elderly male. *J Am Geriatr Soc* 17: 659-667, 1969.

**Aldrete JA**, Levine DS, and Gingrich TF: Experiences in anesthesia for liver transplantation. *Anesth Analg* 48: 802-814, 1969.

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Piel MT, **Aldrete JA**, Jones G: Influence of enzyme induction of the sleeping time in rats. *Can Anaesth Soc J* 16: 538-546, 1969.

**Aldrete JA**, Pappas G: Anesthetic implications for simultaneous cardiorenal transplant. *Anesth Analg* 48: 928-932, 1969.

DiCarlo RH, Zahler A, **Aldrete JA**: Prolonged nasotracheal and orotracheal intubation. *Rocky Mt Med J* 67: 23-27, 1970.

**Aldrete JA**, Jordan C: A chamber for exposure of small animals to anesthetic gases for long periods. *Anesthesiology* 32: 464-465, 1970.

**Aldrete JA**, Clapp HW, Starzl TE: Body temperature changes during organ transplantation. *Anesth Analg* 49: 384-388, 1970.

**Aldrete JA**, O'Higgins JW, Starzl TE: Changes of serum potassium during renal homotransplantation. *Arch Surg* 101 82-84, 1970.

Nieder RM, O'Higgins JW, **Aldrete JA**: Autonomic hyperreflexia in urologic surgery. *JAMA* 213: 867-869, 1970.

**Aldrete JA**, Klug DK: Alteration of skin reactivity to local anesthetic drugs in guinea pigs. *Int J Dermatol* 9: 142-146, 1970.

Pappas G, Guillen J, **Aldrete JA**: Cardiovascular effects of glucagon in the intact anesthetized and hepatectomized dog. *Surgery* 68: 363-368, 1970.

**Aldrete JA**, Zahler A, Aikawa JK: Prevention of succinylcholine-induced hyperkalemia by magnesium sulfate. *Can Anaesth Soc J* 17: 477-484, 1970.

## **BIBLIOGRAPHY (English cont.d)**

**Aldrete JA**, Homatas J, Boyes RN, et al.: Effects of hepatectomy on the disappearance rate of lidocaine from blood in man and dog. *Anesth Analg* 49: 687-690, 1970.

Staniewski J, **Aldrete JA**: Effects of inhalational anesthetic agents on convulsant (LD<sub>50</sub>) doses of local anesthetics in the rat. *Can Anaesth Soc J* 17: 602-606, 1970.

**Aldrete JA**, Kroulik D: A postanesthetic recovery score. *Anesth Analg* 49: 924-934, 1970.

Guillen J, **Aldrete JA**: Anesthetic factors influencing morbidity and mortality of elderly patients undergoing inguinal herniorrhaphy. *Am J Surg* 120: 760-763, 1970.

O'Higgins JW, Guillen J, **Aldrete JA**: The effect of helium inhalation on asphyxia in dogs. *J. Thorac. Cardiovasc. Surgery* 61: 870-874, 1970.

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O'Higgins JW, **Aldrete JA**, Fishman J: Perforation and extravasation during transurethral surgery. *Anesth Analg* 50: 73-76, 1971.

Sidon MA, **Aldrete JA**: A patient with multiple allergies: What anesthetic to use? *JADA* 82: 366-368, 1971.

Abouna GM, **Aldrete JA**, Starzl TE: Changes in serum potassium and pH during clinical and experimental liver transplantation. *Surgery* 69: 418-426, 1971.

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**Aldrete JA**, Swanson JT, Penn I, et al.: Anesthesia experience with living renal transplant donors. *Anesth Analg* 50: 169-174, 1971.

**Aldrete JA**, Clapp HW, Fishman J, et al.: Pentazepam: A supplementary agent. *Anesth Analg* 50: 498-504, 1971.

## **BIBLIOGRAPHY (English cont.d)**

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Serrou B, **Aldrete JA**, Schultz RL: Effect of anesthetic drugs on lysosomal enzymes in the rat. *Proc Soc Exp Biol Med* 137: 1389-1391, 1971.

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