

ALEXANDER R. MARMUREANU M.D.

2170 Century Park East #1608 Los Angeles, CA 90067

Specialty

Thoracic and Cardiovascular Surgery

Current Position

Medical Director: California Heart & Lung Surgery Center

Office Address:

UCLA Medical Center

100 UCLA Medical Plaza, Suite 522

Los Angeles, CA

Tel: (310) 208 4400

Fax: (310) 281 2697

E-mail: amarmureanu@mednet.ucla.edu

Website: www.californiaheartandlungssurgery.com

Hospital Appointments:

UCLA Medical Center, Westwood, CA

UCLA \ Santa Monica Medical Center, Santa Monica, CA

Brotman Medical Center, Culver City, CA

Saint John Health Center, Santa Monica, CA

Past Positions

Medical Director, Thoracic Surgery Center

Jan. 2003 – Jan. 2004

Century City Medical Center

2080 Century Park East, Suite 1408

Los Angeles, CA 90067

Clinical Instructor, Department of Surgery,

July 2002– Oct 2002

Division of Cardiothoracic Surgery

UCLA Medical Center

University of California, Los Angeles

10833 LeConte Avenue, 62-246 CHS, Box 95174

Los Angeles, CA 90095-3541

POST-GRADUATE TRAINING

Cardiothoracic Surgery Fellow July 2000 – June 2002
UCLA Medical Center
Division of Cardiothoracic Surgery,
University of California, Los Angeles
10833 LeConte Avenue, 62-246 CHS, Box 951741
Los Angeles, CA 90095-3541
American Board of Thoracic Surgery 2002 In-Training Exam Score: 99 Percentile

Chief Resident, Dept. of Surgery July 1999 - June 2000
Mount Sinai School of Medicine
Mount Sinai - NYU Medical Center
New York, New York
Advisor: Dr. Larry H. Hollier, Chairman, Dept of Surgery

Senior Resident, Dept. of Surgery July 1998 - July 1999
Mount Sinai School of Medicine
Mount Sinai - NYU Medical Center
New York, New York
Advisor: Dr. Larry H. Hollier, Chairman, Dept of Surgery

Postdoctoral Research Fellow July 1997 - July 1998
Laboratory of Developmental Biology and Repair
Institute of Reconstructive Plastic Surgery
NYU Medical Center, New York, New York
Directed by Dr. Joseph G. McCarthy and Dr. Michael T. Longaker

Junior Resident, Dept. of Surgery July 1995 - July 1997
New York University School of Medicine
Mount Sinai - NYU Medical Center
New York, New York
Advisor: Dr. Frank Spencer, Chairman, Dept of Surgery

General Surgery Intern, Dept. of Surgery July 1994 - July 1995
New York University School of Medicine
Mount Sinai - NYU Medical Center
New York, New York
Advisor: Dr. Frank Spencer, Chairman, Dept of Surgery

GRADUATE EDUCATION

USMLE #1, 2 & 3. Certificate # 0-446-248-7	June 1993–June 1994
General Surgery Resident, Department of Surgery University of Craiova, School of Medicine Craiova, Romania	July 1988 –June 1993
Research Fellow, Department of Surgery University of Craiova, School of Medicine, Romania Research Thesis: Porto-Caval Anastomosis in Portal Hypertension.	July 1987 –June 1988
University of Craiova, School of Medicine, Craiova, Romania Degree: Medical Doctor National License Examination – Highest Honors, Score 10	Sept 1982 - Sept 1988
Romanian National Army, UM 01199 Lieutenant , Romanian Medical Services Corps	Sept 1981 - June 1982

FACULTY POSITIONS HELD

Clinical Instructor, Division of Cardiothoracic Surgery UCLA Medical Center University of California, Los Angeles 10833 LeConte Avenue, 62-246 CHS, Box 951741 Los Angeles, CA 90095-3541	July 2002 – Oct 2002
Teaching Assistant in General Surgery New York University School of Medicine Mount Sinai - NYU Medical Center New York, New York <i>Advisor: Dr. Frank Spencer, Chairman, Dept of Surgery</i>	July 1994-June 1997
Teaching Assistant in Plastic Surgery New York University School of Medicine Mount Sinai - NYU Medical Center New York, New York <i>Advisor: Dr. Charles Thorne, Director of Plastic Surgery Dept, Bellevue Hospital, NYU.</i>	July 1996 - June 1997

BOARD CERTIFICATION

Diplomate-American Board of Thoracic Surgery	2003
Diplomate-American Board of Surgery	2001

LICENSURE TO PRACTICE

California State Medical License	A72294
New York State Medical License	212679
United States Drug Enforcement Agency CA License	BM-7059341
United States Drug Enforcement Agency NY License	AM-9707805-9572
Citizenship	USA

NATIONAL ORGANIZATIONAL COMMITTEES

Member of the Joint Council on Thoracic Surgery Education (TSRA representative)	2000 - 2003
Member of the Executive Committee Thoracic Surgery Residents Association	2000 - 2003
TSRA representative to the Thoracic Surgery Directors Association	2000 – 2003
Program Committee; International Society for Minimally Invasive Cardiac Surgery (ISMICS); San Francisco, CA.	2003
Program Committee; International Society for Minimally Invasive Cardiac Surgery (ISMICS); London, England.	2004

HOSPITAL AND MEDICAL SCHOOL COMMITTEES

Minimally Invasive Surgery Institute Committee, UCLA, LA, CA	2000-2002
Surgery Committee, UCLA \ Santa Monica Medical Center, LA, CA	2003 – Present
Cardiovascular Committee, UCLA\ Santa Monica Medical Center,LA, CA	2004 - Present
Cardiac Surgery Task Force, UCLA\ Santa Monica Medical Center, LA, CA	2004 – Present
Cardiothoracic Committee, Centinela Hospital Medical Center, CA	2003 – Present
Surgery Committee, Centinela Hospital Medical Center, Inglewood, CA.	2004 – Present
Critical Care Committee, Brotman Hospital Medical Center, Culver City, CA	2004 – Present
CME Committee, Botman Hospital Medical Center, Culver City, CA	2004 - Present

ORGANIZATIONS AND MEMBERSHIPS

International Society for Minimally Invasive Cardiac Surgery	2001 - Present
International Society for Cardiothoracic Surgeons	2003 - Present
Association of International Vascular Surgeons	2000 - Present
Romanian Association for Endoscopic Surgery	2002 - Present
American Medical Association	1993 - Present
New York State Medical Society	1993 - Present
Los Angeles County Medical Association	2001 - Present
Longmire Surgical Society, UCLA	2001 - Present
Cardiothoracic Surgery Network	2000 - Present
The Riviera Country Club, Pacific Palisades, CA	2001 - Present

ADVISORY BOARDS

Bayer Pharmaceuticals Corporation West Haven, Connecticut / Consultant	2005
Edwards LifeSciences Irvine, California / Consultant	2004
Coalescent Surgical Sunnyvale, California / Consultant	2003
Scios Inc. Fremont, California / Consultant	2002
Computer Motion Goeleta, California / Consultant	2000
Blue Heron Charity Foundation Board of Directors	2005

INTERESTS

Minimally Invasive Cardiovascular and Thoracic Surgery
Off Pump CABG and Complex Myocardial Revascularization
Valve Repair and Replacement
Heart Failure/Mechanical Assist Devices
Thoracic Aortic Disease Repair
Robotic and Computer Assisted Surgery
Arrhythmia Surgery
CT Surgery Video Conferencing and Internet Telecommunications
CT Surgery Residents Education
Active in Fund Raising & Charities through Tennis & Skiing
Fluency in French, Italian & Romanian.

HONORS AND DISTINCTIONS

Member of Romanian National and Davis Cup Tennis Team	1978 -1979
University Tennis and Ski Champion - 6 consecutive years	1982 -1988
Medical Services Corps, Romanian National Army, UM 01199	1981- 1982
Achieved rank of lieutenant, Awarded "Distinctive Merit for Leadership" in Mountain Rescue Operations,	
Member of Sea Rescue Squad, Black Sea Coast	Summers 1982 - 1988
Dean's List, Faculty of Medicine, University of Craiova	1982 - 1988
Elected Class President/Valedictorian	1987 - 1988

GRANTS

“Young Investigator Travel Grant”, 101st Annual Congress of the Japan Surgical Society, Sendai, Japan. June 2001

RESEARCH EXPERIENCE

Research in Minimally Invasive Cardiothoracic Surgery July 2000-Present
California Heart & Lung Surgery Medical Center
Los Angeles, CA.

Research focussed on Robotics in Cardiac Surgery July 1999-June 2000
Minimally Invasive Surgery Center
Mount Sinai School of Medicine
New York, New York
Advisor: Dr. Michel Gagner, Director of Minimally Invasive Surgery Center

Research Fellowship focussed on Mammalian Foregut Development July 1997-July1998
Laboratory of Developmental Biology and Repair,
Institute Of Reconstructive Plastic Surgery, New York University , NY
Directed by Michael T. Longaker, MD and Dr. Joseph G. McCarthy

MANUSCRIPTS

Marmureanu AR, Lozonshi L, Hollier L, Gagner M, “Experimental Robotic Closure of Atrial Septal Defects: A Surgical Training Model” *The Journal of Cardiovascular Surgery* Vol. 44 Suppl. 1-5 #300, October 2003.

Wieder JA, Laks H, Freitas D, **Marmureanu AR**, Beldegrun A. “Renal Cell Carcinoma with Tumor Thrombus Extension into the Proximal Pulmonary Artery” *Journal of Urology*. Vol. 169, 2296-2297. June 2003.

Marelli D, Laks H, Patel B, Kermani R, Patel J, **Marmureanu AR**, Moriguchi J, Fonarow G, Hamilton M, Ardehalli A, Esmailian F, Plunkett M, Hage A, Kobashigawa J. “Heart Transplantation in Patients with Diabetes Mellitus in the Current Era.” *Journal of Heart and Lung Transplantation*. 22(10):1091-7 October 2003

Marmureanu AR, Lozonshi L, Hollier L, Gagner M, “Closure of Atrial Septal Defects in Ex Vivo Porcine Hearts Using A Robotic System.” *The Heart Surgery Forum*, Vol 5: S173, 2002

Marmureanu AR, Rose MI, Crisera CA, Colen KL, Connelly PR, Longaker MT, Gittes GK. “Introduction of Genes into the Embryonic Pancreas Utilizing an Adenoviral Vector.” *Surgical Forum* 49: 469-470, 1998

Crisera CA, Connelly PR, **Marmureanu AR**, Li M, Rose MI, Colen KL, Longaker MT, Gittes GK “TTF-1 and HNF-3 β in the Developing Tracheo-esophageal Fistula: Further Evidence for the Respiratory Origin of the Distal Esophagus.” *J Pediatr Surg* 34 (9): 1322 – 1326, 1999

Crisera, CA, Connelly, PR, **Marmureanu, AR**, Rose, MI, Colen, KL, Li, M, Longaker, MT, Gittes, GK. “Esophageal Atresia/Trachea-esophageal Fistula: Suggested Mechanism in Faulty Organogenesis.” *J Pediatr Surg* 34 (1): 204-208, 1999.

Grau J, Rowe NM, Chau D, **Marmureanu AR**, Longaker MT, Turnbull D and Gittes GK: “Ultrasound Backscatter Microscopy Guided Injection: A Vehicle for In Utero Cardiac Gene Therapy During Early Organogenesis.” *Surgical Forum* 49: 590 – 593, 1998.

Crisera CA, Connelly PR, **Marmureanu AR**, Rose MI, Colen KL, Li M, Longaker MT, Gittes GK. “Organogenesis of Tracheo-esophageal Fistula: Respiratory Origin of the Distal Esophagus.” *Surgical Forum* 49: 580-583, 1998.

ABSTRACTS

Marmureanu, AR, Lozonshi L, Hollier L, Gagner M, “Training Models for Robotic Cardiothoracic Surgery” 24th Annual San Diego Cardiothoracic Surgery Symposium, San Diego, CA, March 11-14, 2004.

Marmureanu AR, Lozonshi L, Hollier L, Gagner M, “Developing a Training Model for Robotic Surgery” 13th Annual Meeting World Society For Cardio-Thoracic Surgeons, San Diego, CA, November 1-5, 2003.

Marmureanu AR, Lozonshi L, Hollier L, Gagner M, “Experimental Robotic Closure of Atrial Septal Defects: A Surgical Training Model” 5th Annual Meeting International Society For Minimally Invasive Cardiac Surgery, (ISMICS) New York, NY, June 20-23, 2002.

Marelli D, Laks H, Patel B, Kermani R, Patel J, **Marmureanu AR**, Moriguchi J, Fonarow G, Hamilton M, Ardehalli A, Esmailian F, Plunkett M, Hage A, Kobashigawa J. “Heart Transplantation in Patients with Diabetes Mellitus in the Current Era.” 22nd Annual Meeting and Scientific Sessions, The International Society for Heart and Lung Transplantation.(ISHLT) Washington, D.C. April 10-13, 2002.

Marmureanu AR, Lozonshi L, Hollier L, Gagner M, “Closure of Atrial Septal Defects Using a Robotic Surgical System; An Animal Bench Training Model.” 101st Annual Congress of the Japan Surgical Society, Sendai, Japan. April 11-13, 2001. Awarded “Young Investigator Travel Grant”.

Marmureanu AR, Lozonshi L, Hollier L, Gagner M, : “Closure of Atrial Septal Defects Using a Robotic Surgical System in an Animal Bench Model, A Feasibility Study.” The 4th International Congress on Computers and Robotics, Santa Barbara, California, July 19-22, 2000.

Marmureanu AR, Balledux J, Kerstein M, Hollier L, Brem H, : “ New Technologies For The Healing of Diabetic And Venous Ulcers”, 18th Annual Meeting of the Association of International Vascular Surgeons, Zermatt, Switzerland, March 15th, 2000.

Marmureanu, AR, Rose, MI, Crisera, CA, Colenl, KL, Connelly, PR, Longaker, MT, Gittes, GK. “Introduction of Genes into the Embryonic Pancreas Utilizing an Adenoviral Vector.” Surgical Forum, American College of Surgeons, Orlando, FL, October, 1998.

Marmureanu AR, Grau J, Rowe NM, Chau D, Longaker MT, Turnbull D and Gittes GK “Ultrasound Backscatter Microscopy Guided Injection used for *In Utero* Cardiac Gene Therapy During Early Organogenesis”, New York Surgical Society, Cornell University Medical Center, New York, NY, November 11, 1998.

Crisera, CA, Connelly, PR, **Marmureanu, AR**, Rose, MI, Longaker, MY, Gittes, GK. “Esophageal Atresia/Trachea-esophageal Fistula: Mechanism in Faulty Organogenesis” J. Englebert Dunphy Resident Research Day, UCSF, San Francisco, CA, February, 1998

Crisera CA, Connelly PR, **Marmureanu AR**, Rose MI, Colen KL, Li M, Longaker MT, Gittes GK: “Organogenesis of Tracheo-esophageal Fistula: Respiratory Origin of the Distal Esophagus.” Surgical Forum, American College of Surgeons, Orlando, FL, October 1998.

Grau J, Rowe NM, Chau D, **Marmureanu AR**, Longaker MT, Turnbull D and Gittes GK: “Ultrasound Backscatter Microscopy Guided Injection: A Vehicle for *In Utero* Cardiac Gene Therapy During Early Organogenesis”, Surgical Forum, American College of Surgeons, Orlando, FL, October 1998.

Crisera, CA, Connelly, PR, **Marmureanu, AR**, Rose, MI, Colen, KL, Li, M, Longaker, MT, Gittes, GK “Esophageal Atresia/Trachea-esophageal Fistula: Mechanism in Faulty Organogenesis” American Pediatric Surgical Association Meeting, Hilton Head, SC, May 1998

PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS

UCLA Winter Update: Clinical Breakthroughs in Cardiology February 24-27, 2005
Snowbird, Utah. “Update in Less Invasive Cardiothoracic Surgery”

4th Annual Cardiovascular Symposium, October 14-17, 2004. Fairmont Kea Lani, Maui.
“Robotics in Cardiovascular Surgery”.

7th Annual Meeting, International Society for Minimally Invasive Cardiothoracic Surgery, (ISMICS) June 23-26, 2004, London, UK. Program Committee & Moderator.

24th Annual San Diego Cardiothoracic Surgery Symposium, March 11-14, 2004.
San Diego, CA. “Training Models for Robotic Cardiothoracic Surgery”.

UCLA Winter Cardiology Update, Feb.27 – March 1, 2004. Snowbird, Utah.
“Current Concepts in Less Invasive Cardiac Surgery”.

13th Annual Meeting, International Society of Cardio-Thoracic Surgeons November 1-5, 2003,
San Diego, CA. “Developing a Training Model for Robotic Surgery”.

6th Annual Meeting, International Society for Minimally Invasive Cardiothoracic Surgery, (ISMICS) June 19-21st, 2003, San Francisco, CA. Invited Faculty & Moderator.

First National Congress of The Romanian Association for Endoscopic Surgery and Interventional Techniques, October 17th-18th, Bucharest, Romania. Moderator “Telementoring in Robotic Surgery.”

5th Annual Meeting, International Society for Minimally Invasive Cardiac Surgery, (ISMICS) June 20-23rd, 2002, New York, NY. “Experimental Robotic Closure of Atrial Septal Defect: A Surgical Training Model.”

Minimally Invasive Cardiac Surgery Forum, February 9-10, 2002. Las Vegas, Nevada. “Minimally Invasive Cardiothoracic Surgery - An Update.”

Current Advances in Surgery Symposium, December 14 – 17th, 2000. Frenchman Reef, St. Thomas, Virgin Islands. “Robotics Applications in Surgery.”

4th International Congress on Computers and Robotics, July 19-22, 2000. Santa Barbara, California: “Closure of Atrial Septal Defects Using a Robotic Surgical System in an Animal Bench Model; A Feasibility Study.”

18th Annual Meeting of the Association of International Vascular Surgeons, March 15th, 2000, Zermatt, Switzerland: “New Technologies For The Healing of Diabetic And Venous Ulcers.”

New York Surgical Society, November 11, 1998, Cornell University Medical Center, New York, NY: “Ultrasound Backscatter Microscopy Guided Injection: A Vehicle for *In Utero* Cardiac Gene Therapy During Early Organogenesis.”

Surgical Forum, American College of Surgeons, October 25-30, 1998. Orlando, FL, “Introduction of Genes into the Embryonic Mouse Pancreas Utilizing an Adenoviral Vector.”

INVITED PAPERS, LECTURES, PRESENTATIONS

CME Lecture, Brotman Medical Center, Los Angeles, CA <i>Less Invasive Cardiac Surgery</i>	Nov 2003
CME Lecture, Century City Medical Center, Los Angeles, CA <i>New Development in Cardiothoracic Surgery</i>	Aug 2003
CME Lecture, Century City Medical Center, Los Angeles, CA <i>Clinical Pathway for Integrating Minimally Invasive Surgery into Surgical Practice</i>	May 2003
Century City Medical Center Symposium, Los Angeles, CA <i>New Trends in CT Surgery</i>	May 2003

Century City Hospital, Los Angeles, CA <i>Minimally Invasive Cardiothoracic Surgery</i>	Feb 2003
Orange Coast Memorial Medical Center, CA. <i>Minimally Invasive Thoracic Surgery</i>	Jan 2003
K-Bev TV, Channel 6, Los Angeles, CA. <i>Decisions in Cardiothoracic Surgery</i>	Dec 2002
University Hospital Fundeni, Bucharest Romania <i>Invited Surgeon to provide CT Surgery Training</i>	Oct 2002
Joint Council on Thoracic Surgery Education, Chicago, Illinois <i>CT Surgery Resident's Survey of Work Hours – Findings and Recommendations</i>	Sept 2002
Department of Medicine, Radiation Oncology Grand Rounds, UCLA Medical Center, LA <i>Surgical Treatment of Lung Cancer</i>	Sept 2002
Division of Cardiology Grand Rounds, UCLA Medical Center, LA <i>Minimally Invasive Cardiothoracic Surgery</i>	Mar 2002
General Thoracic Tumor Board Lecture, UCLA Medical Center, LA <i>Minimally Invasive Thoracic Surgery</i>	Mar 2002
General Surgery Grand Rounds, UCLA Medical Center, LA, <i>The Future of Minimally Invasive Surgery Centers</i>	Feb 2002
General Thoracic Tumor Board Lecture, UCLA Medical Center, LA <i>Robotics in Cardiothoracic Surgery</i>	Jan 2002
CT Surgery Grand Rounds, VA Medical Center, L.A., <i>Update on Minimally Invasive Cardiothoracic Surgery</i>	July 2001
Cardiology Grand Rounds, VA Medical Center, L.A., <i>Robotics in Cardiothoracic Surgery</i>	Feb 2001
Minimally Invasive Surgery Center, Grand Rounds, Mount Sinai Medical Center, New York, NY <i>Minimally Invasive Surgery (Robotically Assisted)_</i>	Dec 2000
CT Surgery Grand Rounds, UCLA Medical Center, L.A., <i>Robotics in Cardiothoracic Surgery</i>	Oct 2000
CT Surgery Grand Rounds, Kaiser Permanente Medical Center, L.A., <i>Robotics in Cardiothoracic Surgery</i>	Aug 2000

General Surgery Grand Rounds, Mount Sinai Medical Center, New York, NY <i>Update in Surgical Critical Care</i>	May 2000
General Surgery Grand Rounds– Video Presentation, Mount Sinai Medical Center, NY <i>Laparoscopic Drainage of Intraabdominal Abscesses</i>	Mar 2000
Course Instructor, Minimally Invasive Surgery Center – workshop Mount Sinai Medical Center New York, NY <i>Advanced Laparoscopy Course</i>	Feb 2000
Course Instructor, Computer Motion Training Course, Santa Barbara, Ca <i>Robotically Assisted Endo ACAB and IMA Harvesting</i>	Jan 2000
General Surgery Grand Rounds, Elmhurst Hospital, Queens, N.Y. <i>Update in Surgical Critical Care</i>	Dec 1999
General Surgery Grand Rounds, Englewood Hospital, Englewood, N.J. <i>Update in Minimally Invasive Surgery</i>	Nov 1999
Mount Sinai Medical Center, New York, NY Discussion Panel: <i>Controversies in Treatment of Esophageal CA</i>	Oct 1999
Mount Sinai Medical Center, New York, NY Invited Lecturer, Pediatrics Resident Conference: <i>Tracheoesophageal Fistula</i>	Mar 1999