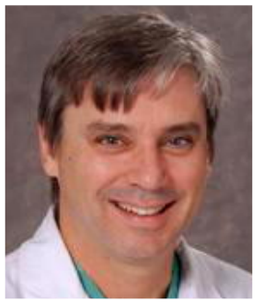

W. Douglas Boyd, M.D.

Clinical Interests

Dr. Boyd is recognized for his pioneering work in cardiothoracic surgery and for his use of robotic-assisted surgical systems. He specializes in minimally invasive cardiac and robotic-assisted heart surgery. He completed the world's first closed-chest, beating-heart coronary artery bypass surgery using a robotic system in 1999 and performed the first human extracellular matrix xenograft implant for cardiovascular repair several years later. Prior to his appointment as a professor of surgery at UC Davis Health System, Dr. Boyd served as chair of the Department of Cardiothoracic Surgery at the Cleveland Clinic in Florida. As the author of more than 50 peer-reviewed, journal articles, Dr. Boyd's research interests include cardiac tissue regeneration using extracellular matrix/stem cells, new techniques for robot-assisted minimally invasive coronary artery revascularization, valve surgery and telesurgery. He is a graduate of Carleton University and obtained his medical degree the University of Ottawa.

Title

Professor, Department of Surgery

Specialty

Surgery - Cardiothoracic, Surgery - Robotic

Department

Surgery

Division

Cardiothoracic Surgery

Center/Program Affiliation

Cardiovascular Services
Robotic Surgery Program

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UC Davis Medical Center - Cypress Building, 2221 Stockton Blvd. Suite 2112 Sacramento, CA 95817
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Clinic Phone: 916-734-2160
Department Phone: 916-734-3528
Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education

M.D., University of Ottawa, Ottawa, 1984
B.Sc., Carleton University, Ottawa, 1980

Professional Memberships

American Heart Association
Bay Area Society of Thoracic Surgery

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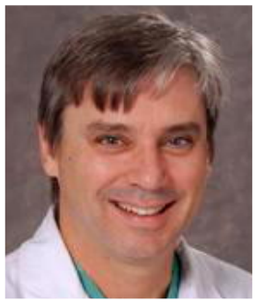

W. Douglas Boyd, M.D.

California Medical Association
Canadian Cardiovascular Society
Canadian Medical Association
Florida Medical Association
International Society for Minimally Invasive Cardiac Surgery
Ontario Medical Association
Society of Thoracic Surgeons

Honors and Awards

California Super Doctors, 2011
Florida's Top Doctors, Cardiothoracic Surgery, 2009
America's Top Doctors, Cardiothoracic Surgery, 2008
Good Housekeeping Top Cardiovascular Surgeon for women in the Nation, 2004
Best Scientific Presentation, International Society of Minimally Invasive Cardiac Surgery - Munich, Germany, 2001
Smithsonian Institute/Computer World Honours Award - Washington, DC 2001, 2001
Best Scientific Presentation, International Society of Minimally Invasive Cardiac Surgery - Atlanta, Georgia, 2000
American Medical Association, James S. Todd Memorial Grant For Highest Ranked Grant In Research Competition, 1999
Best Clinical Research Paper, International Society of Minimally Invasive Cardiac Surgery - Paris, France, 1999
Educating Future Physicians for Ontario Fellowship, to pursue formal training in Medical Education, 1993
University of Ottawa, Department of Surgery Award, for Outstanding Resident Teaching, 1991
University of Ottawa Department of Surgery Award,, for Excellence in Teaching, 1989
American College of Chest Physicians Award, for the Outstanding Presentation at the ACCP Affiliate forum; 53rd Annual - Atlanta, Georgia, 1987
E.I. Dupont Award, for the Outstanding Housestaff Presentation; American Medical Association Education and Research Foundation, Eastern Research Forum. University of Miami School of Medicine - Miami, Florida, 1987
C.H. Hand Memorial Scholarship, Carleton University, Ottawa, 1980

Select Recent Publications

W. Douglas Boyd, MD, William E Johnston III, MD., Parvez K. Sultan, MD,Thomas F Deering, MD, FACC,FACP,FHRS,Robert G. Matheny,MD,FACS Pericardial Reconstruction Using an Extracellular Matrix Implant Correlates with Reduced risk of Postoperative Atrial fibrillation in Coronary Artery

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W. Douglas Boyd, M.D.

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Christopher W. Nickum, W. Douglas Boyd, Richard J. Novick, Eugene H. Blackstone, Carolyn Apperson-Hanson, John A. McAuliffe. Division of the Brachioradialis Muscle: A Modification of the Current Technique in Endoscopic Radial Artery Harvesting. The Heart Surgery Forum, 8(6). 2005

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Novick R.J., Fox S.A., Kiaii B.B., Stitt L.W., Rayman R., Kodera K., Menkis, A.H., Boyd W.D. Analysis of the Learning Curve in Telerobotic Beating Heart Coronary Artery Bypass Grafting: A 90 Patient Experience. Ann Thorac Surg, (76) 749-753. 2003.

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Semere WG, Edwards TM, Boyd D, Barsoumian R, Murero M, Donaias Karamanoujian HL. The World Wide Web and Robotic Heart Surgery. Heart Surg Forum, 6(6): E111-9. 2003

Stahl K, Fromkin K, Bochenek A, Boyd W.D., Vassiliades T, Karamanoukian H, Cisowski M. Combined Angioplasty and Robotic Coronary Bypass Surgery in Multivessel Coronary Artery Disease. J Am Col Cardiol. 2003.

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