David Tom Cooke, M.D.

Clinical/Research Interests
Dr. Cooke specializes in general thoracic surgery, thoracic oncology, surgical treatment of malignant and benign esophageal disease, video assisted thoracic surgery (VATS) with special interest in VATS pulmonary resection; interventional bronchoscopy, esophageal stenting, tracheal and airway surgery, lung volume reduction surgery, surgical treatment of achalasia, hyperhidrosis surgery, student mentoring, and community involvement. Dr. Cooke's research interests involve clinical studies including oncologic trials, surgical outcomes research and surgical education.

Title
Assistant Professor of Clinical Surgery, Associate Program Director of the Cardiothoracic Surgery Residency

Specialty
Cancer, Surgery - Cardiothoracic, Surgery - Thoracic

Center/Program Affiliation
Cardiovascular Services, UC Davis Comprehensive Cancer Center, UC Davis Medical Group

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Education
M.D., Harvard Medical School, Boston, Massachusetts, 1999
B.A., UC Berkeley, Berkeley, California, 1994

Internships
Massachusetts General Hospital/Harvard Medical School, Boston, Mass, 1999-2000

Residency
Massachusetts General Hospital/Harvard Medical School, Boston, Mass, 2000-2006

Fellowships
Stanford University School of Medicine, Research Fellow, Stanford, Calif, 2002-2004
University of Michigan School of Medicine, Ann Arbor, Mich, 2006-2008

Board Certifications
American Board of Surgery, 2006
American Board of Thoracic Surgery, 2009

Professional Memberships
American College of Surgeons, Candidate Group
Fellow, American College of Chest Physicians
Fellow, American College of Surgeons
Harvard Medical School Alumni Association
Massachusetts General Hospital Surgical Society
Society of Thoracic Surgeons

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David Tom Cooke, M.D.

Stanford University Medical Center Alumni Association, Certificate Member
University of California Alumni Association

Select Recent Publications

Cooke DT, Gelfand GA, Broghammer JA. Billing, coding, and credentialing in the thoracic surgery practice. *Thorac Surg Clin.* 2011 Aug;21(3):349-58.

Kim AW, Cooke DT. Additional pulmonary nodules in the patient with lung cancer: controversies and challenges. *Clin Chest Med.* 2011 Dec;32(4):811-25.

Cooke DT, Pagani FD, Kaul DR, Cooke KR, Lau CL, Riddell J 4th. Successful treatment of pulmonary zygomycosis in two transplant recipients with liposomal amphotericin B and partial surgical resection followed by posaconazole. *Mycoses.* 2010 Mar 1;53(2):163-7. Epub 2009 Jan 9.

Cooke DT, Kerendi F, Mettler BA, Boffa DJ, Mehall JR, Merrill WH, Higgins RS. Update on cardiothoracic surgery resident job opportunities. *Ann Thorac Surg.* 2010 Jun;89(6):1853-8; discussion 1858-9.

Cooke DT, Pickens A. Carcinoma of the Esophagus. In: Medical Management of the Thoracic Surgery Patient. Lewis MI, McKenna RJ, Falk JA, Chaux GE. eds., Saunders, Elsevier, 2010; 503-510.

David T. Cooke, Danh V. Nguyen, Ying Yang, Steven L. Chen, Cindy Yu, and Royce F. Calhoun Survival Comparison of Adenosquamous, Squamous Cell, and Adenocarcinoma of the Lung After Lobectomy Ann Thorac Surg 2010;90:943-948.

Evans K, Calhoun RF, Black H, Cooke DT. Disseminated primary coccidioidomycosis of the chest wall. *J Thorac Cardiovasc Surg.* 2010 Nov;140(5):e78-9.

Cooke DT, Lin GC, Lau CL, Zhang L, Si MS, Lee J, Chang AC, Pickens A, Orringer MB. Analysis of cervical esophagogastric anastomotic leaks after transhiatal esophagectomy: Risk factors, presentation, detection. Annals of Thoracic Surgery. 2009 Jul; 88(1):177-85.

Cooke DT, Pagani FD, Kaul DR, Cooke KR, Lau CL, Riddell J IV. Successful treatment of pulmonary Zygomycosis in two transplant recipients with liposomal amphoteric Band partial surgical resection followed by Posaconazole. Mycoses. 2009 Jan 9. [Epub ahead of print].

Cooke DT, Calhoun RF. Distance alone does not define the value of the posterior mediastinal route for esophageal reconstruction. Letter to the editor. Annals of Thoracic Surgery. 20090ct;88(4): 1390.

Cooke DT, Lau CL. Primary repair of esophageal perforation. Operative Techniques in Thoracic and Cardiovascular Surgery. 2008;13(2):126-137

Kutschka I, Kofidis T, Chen IY, von Degenfeld G, Zwierzchoniewska M, Hoyt G, Arai T, Lebl DR, Hendry SL, Sheikh AY, Cooke DT, Connolly A, Blau HM, Gambhir SS, Robbins RC. Adenoviral human BCL-2 transgene expression attenuates early donor cell death after cardiomyoblast

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transplantation into ischemic rat hearts. Circulation. 2006 Jul 4;114(1 Suppl):I174-180.

Lijkwan MA, Cooke DT, Martens JM, Kown HM, Murata S, Peterson SH, Hoyt EG, Robbins RC. Cyclosporine treatment of high dose and long duration reduced the severity of graft coronary artery disease in rodent cardiac allografts. Journal of Heart and Lung Transplantation. 2005 Apr;24(4): 439-45.

Tanaka M, Mokhtari GK, Balsam LB, Zwierzchoniewska M, Cooke DT, Kofidis T, Robbins RC. Cyclosporine A mitigates graft coronary artery disease in murine cardiac allografts: description and validation of novel fully allogeneic model. Journal of Heart and Lung Transplantation. 2005 Apr;24 (4):446-53.

Cooke DT, Hoyt EG, Robbins RC. Overexpression of human Bcl-2 in syngeneic rat donor lungs preserves post-transplant lung function and reduces intragraft caspase activity and interleukin-1ß production. Transplantation. 2005 Apr 15;79(7):762-7.

Balsam LB, Mokhtari GK, Jones S, Hoyt G, Kofidis T, Tanaka M, Cooke DT, Robbins RC. Early inhibition of caspase-3 activity lessens the development of graft coronary artery disease. Journal of Heart and Lung Transplantation. 2005 Jul;24(7):827-32.

Cooke DT, Caffarelli AD, Robbins RC. The road to clinical xenotransplantation: A worthwhile journey. Analysis and Commentary. Transplantation. 2004 Oct 27;78(8):1108-9.

Fearon WF, Aarnoudse W, Pihls NHJ, De Bruyne B, Balsam LB, Cooke DT, Robbins RC, Fitzgerald PJ, Yeung AC, Yock PG. Microvascular resistance is not influenced by epicardial coronary artery stenosis severity. Experimental validation. Circulation. 2004 May 18;109(19):2269-72.

Fearon WF, Farouque HM, Balsam LB, Caffarelli AD, Cooke DT, Robbins RC, Fitzgerald PJ, Yeung AC, Yock PG. Comparison of coronary thermodilution and Doppler velocity for assessing coronary flow reserve. Circulation. 2003 Dec 23;108(25):3165.

Nikolic B, Cooke DT, Zhao G, Sykes M. Both gamma delta T cells and NK cells inhibit the engraftment of xenogeneic rat bone marrow cells and the induction of xenograft tolerance in mice. Journal of Immunology. 166(2):1398-404, 2001 Jan 15.

Cooke DT, Nikolic B, Sykes M. The role of atypical T cells and NK cells in inhibiting primary engraftment of xenogeneic donor rat bone marrow cells. Transplantation Proceedings. 1999 Feb-Mar; 31 (1-2):683.

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