
CURRICULUM VITAE**Name** David Daiho Yuh, MD FACS FACC**Personal Data**

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Birthplace: Los Angeles, California on February 28, 1964

Education B.S. Stanford University (Honors and Distinction) Conferred 1986
M.D. Stanford University (Honors) Conferred 1991

Training

1991-92 Intern, Department of Surgery, University of Minnesota Hospital and Clinics, Minneapolis, MN

1992-94 Resident, Department of Surgery, University of Minnesota Hospital and Clinics, Minneapolis, MN

1994-96 Postdoctoral Fellow, Department of Cardiothoracic Surgery, Stanford University Medical Center, Stanford, CA

1996-98 Resident (PGY IV & V), Department of Surgery, Stanford University Medical Center, Stanford, CA

1998-2000 Resident, Department of Cardiothoracic Surgery, Stanford University Medical Center, Stanford, CA

2000-2001 Chief Resident, Department of Cardiothoracic Surgery, Stanford University Medical Center, Stanford, CA

Career/Academic Appointments

2001-2005 Assistant Professor of Surgery, Division of Cardiac Surgery, Johns Hopkins

	University, Baltimore, MD
2005-2011	Associate Professor of Surgery, Division of Cardiac Surgery, Johns Hopkins University, Baltimore, MD
2005-2011	Associate Professor (Joint Appointment), Center for Computer-Integrated Surgical Systems, Whiting School of Engineering, Johns Hopkins University, Baltimore, MD
2011-2016	Professor of Surgery and Chief, Section of Cardiac Surgery, Yale University, New Haven, CT
2016-present	Chairman, Department of Surgery, Stamford Hospital, Stamford, CT
2016-2022	Clinical Assistant Professor of Surgery, Vagelos College of Physicians and Surgeons at Columbia University
2018-2020	Columbia University College of Physicians & Surgeons Medical Student Clerkship Director (Stamford Hospital Affiliate)
2022-present	Clinical Professor of Surgery, Vagelos College of Physicians and Surgeons at Columbia University (effective 4/1/2022)

Administrative Positions

2003-2009	Director, Cardiac Surgical Research, Division of Cardiac Surgery, Johns Hopkins University, Baltimore, MD
2004-2011	Director, Minimally-Invasive Cardiac Surgical Program, Division of Cardiac Surgery, Johns Hopkins University, Baltimore, MD
2011-2016	Chief, Section of Cardiac Surgery, Yale University School of Medicine, New Haven, CT
2011-2016	Surgical Director, Yale-New Haven Hospital Heart and Vascular Center, New Haven, CT
2011-2016	Thoracic Surgery Residency Program Director, Yale-New Haven Hospital, New Haven, CT
2016-present	Chairman, Department of Surgery, Stamford Hospital, Stamford, CT

Board Certification

American Board of Surgery, 1999

American Board of Thoracic Surgery, 2002; Recertification, 2011, 2021

Licensure

- 1996-present Medical Board of California (License # G83207)
- 2001-present Maryland Board of Physician Quality Assurance (License # D57482)
- 2011-present Connecticut Department of Public Health (License # 049810)

PROFESSIONAL SERVICE**Peer Review Groups/Grant Study Sections**

- 2015-present Member, Circulatory System Devices Panel, Medical Devices Advisory Committees, Center for Devices and Radiological Health, U.S. Food and Drug Administration
- 2013-2014 Member, NIH Study Section ZRG1 SBIB-Z03 – Medical Imaging Investigations
- 2011-2015 Permanent Voting Member, Circulatory System Devices Panel, Medical Devices Advisory Committees, Center for Devices and Radiological Health, U.S. Food and Drug Administration
- 2009-2011 Member, NIH Study Section ZRG1 SBIB-Q (90) S – Computational Modeling and Sciences for Biomedical and Clinical Applications

Journal Service

- 2018-present Editorial Board, *Journal of Thoracic and Cardiovascular Surgery*
- 2012-present Associate Editor, *Cardiovascular Engineering and Technology*
- 2007-present Reviewer for *Circulation*
- 2006-present Reviewer for *Annals of Thoracic Surgery*
- 2006-present Reviewer for *Archives of Surgery*
- 2001-present Reviewer for *Journal of Thoracic and Cardiovascular Surgery*

Professional Organizations**Society Memberships**

- 2017 to present Society of Academic Asian Surgeons
- 2008 to present American Association for Thoracic Surgery

2007 to present	American College of Surgeons (FACS)
2003 to present	American Heart Association, Cardiothoracic and Vascular Surgery Council
2003 to present	American College of Cardiology (FACC)
2003 to present	Southern Thoracic Surgical Association
2002 to present	Society of Thoracic Surgeons
2002 to present	Johns Hopkins Medical and Surgical Association
2001 to present	American Society of Transplant Surgeons
1995 to present	International Society of Heart and Lung Transplantation
1989 to present	Stanford Medical Alumni Association

Meeting Planning/Participation

2019	Session Moderator (CABG Technical Considerations), 99 th Annual Meeting of the American Association for Thoracic Surgery (Toronto, CN)
2017	Session Moderator (Trauma/Critical Care/Acute Care/Cardiothoracic Surgery), 2 nd Annual Meeting of the Society of Academic Asian Surgeons (Birmingham, AL)
2016	Session Moderator – (Tricuspid Regurgitation: Time to Change How We Treat?), American Heart Association Scientific Sessions 2016 (New Orleans, LA)
2016	American Board of Thoracic Surgery Cardiac Surgery Consultant Subcommittee (Part I (written) Board examination questions)
2015	Faculty, American Association of Thoracic Surgery Leadership Academy 95 th Annual Meeting of the AATS (Seattle, WA)
2014-present	Member, Joint Council on Thoracic Surgical Education, ABS Case Requirement Assessment Task Force
2012-2014	Member-At-Large, Leadership Committee – Cardiovascular Surgery and Anesthesia (CVSA) Council
2012-2013	Society of Thoracic Surgeons - Workforce on New Technology
2012	Chair, Adult Cardiac Skills Symposium, American Association of Thoracic Surgery (San Francisco, CA)

2011	American Association of Thoracic Surgery Leadership Retreat (Westchester, NY)
2011	Session Moderator– (Myocardial Protection/Intraoperative Management), American Heart Association Scientific Sessions 2011 (Orlando, FL)
2010-2011	Society of Thoracic Surgeons - Workforce on Annual Meeting (STS University Task Force)
2004-09	Society of Thoracic Surgeons – Workforce on Aging
1996-97	Stanford University Administrative Panel for Laboratory Animal Care
1988-89	Stanford University School of Medicine Admissions Panel

Professional Honors & Recognition

2019	Castle Connolly New York Metro Area Top Doctor: Thoracic & Cardiac Surgery
2019	Castle Connolly Fairfield County Top Doctor: Thoracic & Cardiac Surgery
2018	America's Most Honored Professionals – Top 1%
2018	Castle Connolly New York Metro Area Top Doctor: Thoracic & Cardiac Surgery
2018	Castle Connolly Fairfield County Top Doctor: Thoracic & Cardiac Surgery
2018	Castle Connolly America's Top Doctors: Thoracic & Cardiac Surgery
2017	American Registry's "America's Most Honored Professionals Top 1%"
2017	Castle Connolly America's Top Doctors: Thoracic & Cardiac Surgery
2017	Castle Connolly Regional Top Doctor: Fairfield County
2017	Castle Connolly Regional Top Doctor: New Haven
2016	American Registry's "America's Most Honored Professionals Top 1%"
2016	Castle Connolly America's Top Doctors: Thoracic & Cardiac Surgery
2015	Castle Connolly America's Top Doctors: Thoracic & Cardiac Surgery
2014	Castle Connolly Top Doctor: New York Metro Area

2014	Castle Connolly America's Top Doctors: Thoracic & Cardiac Surgery
2013	Castle Connolly Top Doctor: <i>New York Magazine</i>
2013	Castle Connolly America's Top Doctors: Thoracic & Cardiac Surgery
2013	Top Doctors, <i>U.S. News and World Report</i>
2004	Johns Hopkins Medical Institutions Clinician Scientist Award
1999	Lucile Packard Children's Hospital Award for Excellence in Pediatric Cardiac Surgery
1998	John Henry Smith, III, MD Resident of the Year Award, Stanford University Medical Center

UNIVERSITY SERVICE

Departmental Committees

2012	Chair, Search Committee for Chief, Section of Vascular Surgery, Yale School of Medicine
2012-2015	Senior Faculty Allotment Committee, Yale School of Medicine
2012-2016	Board of Permanent Officers, Yale School of Medicine
2012-2016	Admissions Committee, Yale School of Medicine
2012-2016	Department of Surgery Appointments & Promotions Committee, Yale School of Medicine
2011-2016	Department of Surgery Executive Committee, Yale School of Medicine
2011	Search Committee for Chief of Pediatric Cardiac Surgery (New England Pediatric Specialties), Yale School of Medicine

Hospital Boards & Committees

2017-present	Stamford Hospital Medical Executive Committee
2012-2016	Yale-New Haven Hospital Heart and Vascular Center Operations Leadership Committee (OLC)
2012-2016	Technology Assessment & Application Committee, Yale-New Haven Hospital

2012-2016	Yale Physicians Building Planning Committee
2011-2016	Yale Society of Thoracic Surgeons Database Review Committee
2011-2016	Yale Cardiothoracic Surgery Operations Council
2003 to 2005	Research Directors Committee – New Surgical Technologies, Department of Surgery, Johns Hopkins Hospital
2003 to 2005	Information Systems and Technology Committee, Department of Surgery, Johns Hopkins Hospital
2003 to 2005	Minimally-Invasive Surgical Technologies Committee, Department of Surgery, Johns Hopkins Hospital
2003 to 2004	Clinical Practice Association -- Operations Oversight Committee, Johns Hopkins Hospital

Public Service

2012	Team Member, Integrate: Enhancing Collaborations in the Arts and Sciences, Arts Council of Greater New Haven
2011	Advisor, FIRST Lego League Robotics Competition (Baltimore, MD)

GRANT HISTORY

A) Current Grants

Agency: NIH-R01
 I.D. # R01MH085740
 Title: “Intracranial atherosclerosis and predictors of post-CABG depression”
 PI: Hochang Lee, MD
 Role on Project: Co-Investigator
 Percent effort: 5%
 Direct costs per year: \$225,000
 Total costs for project period: \$897,753
 Project period: 9/24/11-10/31/15 (no-cost extension)

B) Past Grants

Agency: Yale University Department of Surgery
 I.D. # Ohse Research Grant
 Title: “Defining relationships between cardiopulmonary bypass, cerebral oxygen saturation, and postoperative neurocognitive dysfunction”
 PI: David Yuh, MD

Role on Project: Principal Investigator
Percent Effort:
Direct costs per year: \$40,000
Total costs for project period: \$40,000
Project period: 3/1/15-2/28/16

Agency: U.S. Food and Drug Administration
ID#: SOL-1119844
Title: "Development of computational model from 3D Echo and Micro CT of the normal mitral valve in different simulated environments"
PI: Ajit Yoganathan, M.D.
Role on Project: Co-PI
Percent effort: 8%
Direct costs per year: \$132,000
Total costs for project period: \$200,000
Project period: 9/16/13-9/15/14

Agency: NSF
ID#: NSF 0941362
Title: "CDI Type II: Language models for human dexterity"
P.I.: David Yuh, MD, Gregory Hager, PhD, Rajesh Kumar, PhD
Role on Project: Co-Principal Investigator
Percent effort: 5%
Direct costs per year: \$225,000
Total costs for project period: \$1,242,000
Project period: 9/1/09-8/31/13

Agency: NIH-R21
I.D. # R21HL098765-01
Title: "3D TEE aided FEM biomechanical modeling for planning mitral valve repairs"
PI: David Yuh, M.D., Philippe Burlina, PhD
Role on Project: Co-Principal Investigator
Percent effort: 2%
Direct costs per year: \$275,000
Total costs for project period: \$313,932
Project period: 12/1/09-12/31/11

Agency: NIH-R21
I.D.# R21EB009143-01A1
Title: "Automated assessment for the effects of system limitations based upon data collected from multiple training centers"
PI: David Yuh, M.D., Rajesh Kumar PhD
Role on Project: Co-Principal Investigator
Percent effort: 5%
Direct costs per year: \$150,000
Total costs for project period: \$439,116
Project period: 7/1/09-6/30/11

Agency: NIH-ICTR
I.D. # "3D TEE imaging-based computational modeling of the mitral valve"

PI: David Yuh, M.D.
Role on Project: Principal Investigator
Percent effort: 5%
Total costs for project period: \$100,000
Project period: 11/1/08-10/30/09

Agency: NIH/NIA
I.D. # P30 AG021334 Claude D. Pepper Older Americans Independence Center
Title: "Frailty as a predictor of outcomes in elderly cardiac surgical patients"
PI: Linda P. Fried, M.D.
Role on Project: Co-Investigator
Percent effort: 5%
Total costs for project period: \$100,000
Project period: 6/01/06-5/31/08

Agency: Johns Hopkins School of Medicine
I.D. # Clinician Scientist Award
Title: "Motion recognition analysis for robot-assisted cardiac surgery"
PI: David Yuh, M.D.
Role on Project: Principal Investigator
Percent effort: 5%
Total costs for project period: \$20,000
Project period: 2/01/04-1/30/07

Agency: NIH-R01
I.D. # R01EB002004
Title: "Haptic feedback for robot-assisted surgical systems"
PI: David Yuh, M.D., Allison Okamura PhD, Christopher Hasser, PhD
Role on Project: Co-Principal Investigator
Percent effort: 5%
Total costs per year: \$235,000
Project period: 9/30/03-8/30/07

Agency: American Geriatrics Society
I.D. # Jahnigen Career Development Scholars Award
Title: "Treatment of postoperative delirium in elderly patients"
PI: David Yuh, M.D.
Role on Project: Principal Investigator
Percent effort: 5%
Total costs for project period: \$100,000
Project period: 7/01/03-6/30/05

Agency: NIH-R21
I.D. # R21HL72229
Title: "Fas ligand blood cells to reduce transplant rejection"
PI: Curt Civin, M.D.
Role on Project: Co-Investigator
Percent effort: 2%
Direct costs per year: \$240,000
Total costs for project period: \$993,000

Project period: 10/01/02-9/30/05

Agency: NIH Training Grant

I.D.# A107290-10

Title: "Immunologic tolerance induction using MHC class I and II peptides"

PI: Carol Clayberger, PhD

Percent effort: 80%

Total costs for project period: \$25,000

Project period: 7/1/95-6/30/96

Agency: American Heart Association

ID# Postdoctoral Research Fellowship

Title: "Immunopharmacologic and mechanistic analysis using a murine heterotopic cardiac transplant model.

P.I.: David Yuh, M.D.

Role on Project: Principal Investigator

Percent effort: 80%

Total costs for project period: \$32,000

Project period: 07/01/94-06/30/95

Agency: American Heart Association

ID# Predoctoral Research Fellowship

Title: "Immunopharmacologic and mechanistic analysis of 15-deoxyspergualin"

P.I.: David Yuh, B.S.

Role on Project: Principal Investigator

Percent effort: 50%

Total costs for project period: \$20,000

Project period: 6/30/87-7/1/88

Agency: Stanford University School of Medicine

ID# Frank A. Gerbode Scholarship for Research in Cardiovascular Surgery

Title: "Immunopharmacologic and mechanistic analysis of didemnin B"

P.I.: David Yuh, B.S.

Role on Project: Principal Investigator

Percent effort: 30%

Total costs for project period: \$5,000

Project period: 6/30/87-7/1/88

Agency: Stanford University

ID# Firestone Major Grant for Extended Research

Title: Undergraduate research program in organic chemistry

P.I.: David Yuh

Role on Project: Principal Investigator

Percent effort: 100%

Total costs for project period: \$5000 (researchsupplies only)

Project period: 7/1/85-6/30/86

BIBLIOGRAPHY

1. Peer-Reviewed Manuscripts

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Yuh DD, Morris RE. 15-deoxyspergualin is a more potent and effective immunosuppressant than cyclosporine but does not effectively suppress lymphoproliferation in vivo. *Transplantation Proceedings* 1991; 23(1):535-539.

Yuh DD, Morris RE. The immunopharmacology of immunosuppression by 15-deoxyspergualin. *Transplantation* 1993; 55(3):578-591.

Yuh DD, Gandy KL, Gutierrez J, Robbins RC. Preservation of placental function after cardiopulmonary bypass in fetal sheep using extracorporeal oxygenation. *Surgical Forum* 1995; 46:301-304.

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Yuh DD, Gandy KL, Hoyt G, Reitz BA, Robbins RC. A rodent model of *in utero* chimeric tolerance induction. *J Heart Lung Transplant* 1997; 16:222-230.

Yuh DD, Reitz BA, Gandy KL, Hoyt G, Robbins RC. Tolerance to cardiac allografts induced *in utero* with fetal liver cells. *Circulation* 1996; 94[suppl II]:II-304-II-307.

Yuh DD, Gandy KL, Reitz BA, Hoyt G, Robbins RC. Perinatal induction of immunotolerance to cardiac and pulmonary allografts. *J Thorac Cardiovasc Surg* 1997; 114:64-75.

Krieger NR, **Yuh D**, McIntyre WB et al. Prolongation of cardiac graft survival with anti-CD4lg plus hCTLA4lg in primates. *J Surg Research* 1998; 76(2):174-178.

Dosanjh A, Jones L, **Yuh D**, Robbins RC. Pleural disease in patients undergoing lung transplantation for cystic fibrosis. *Pediatric Transplant* 1998; 2:283-287.

Murphy TE, Vignes Cm, **Yuh DD**, Okamura AM. Automatic motion recognition and skill evaluation for dynamic tasks. *Eurohaptics* 2003; 363-373.

Fitton TP, Bethea BT, Borja MC, **Yuh DD**, Yang SC, Orens JB, Conte JV. Pulmonary resection following lung transplantation. *Ann Thorac Surg* 2003; 76(5):1680-1685.

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Durand DJ, Perler BA, Roseborough GS, Grega MA, Borowicz LM, Baumgartner WA, **Yuh DD**. Mandatory versus selective preoperative carotid screening: A retrospective analysis. *Ann Thorac Surg* 2004; 78(1):159-166.

Kitagawa M, Dokko D, Okamura AM, **Yuh DD**. Effect of sensory substitution on suture manipulation forces for robotic surgical systems. *J Thorac Cardiovasc Surg* 2005; 129:151-158.

Yuh DD, Simon BA, Fernandez-Bustamante A, Ramey N, Baumgartner WA. Totally endoscopic robot-assisted transmyocardial revascularization. *J Thorac Cardiovasc Surg* 2005; 130(1):120-124.

Harkness JR, Fitton TP, Barreiro C, Alejo D, Gott VL, Baumgartner WA, **Yuh DD**. A 32 year experience with surgical repair of sinus of Valsalva aneurysms. *J Cardiac Surg* 2005; 20:198-204.

Lin HC, Shafran I, Murphy TE, Okamura AM, **Yuh DD**, Hager GD. Automatic detection and segmentation of robot-assisted surgical motions. *MICCAI* 2005; 8(Pt 1):802-810.

Henrikson CA, Leng CT, **Yuh DD**, Brinker JA. Computed tomography to assess possible cardiac lead perforation. *Pacing Clin Electrophysiol* 2006; 29(5):509-511.

Lin HC, Shafran I, **Yuh D**, Hager GD. Towards automatic skill evaluation: Detection and segmentation of robot-assisted surgical motions. *Comp Aided Surg* 2006; 11(5): 220-230.

Fenton H, Judge DP, **Yuh DD**, Halushka MK. Intracardiac giant cells after left ventricular assist device placement. *J Heart Lung Transplant* 2007; 26(4):417-420.

Chang DC, Joyce DL, Shoher A, **Yuh DD**. A simple index to predict likelihood of skilled nursing facility admission after coronary artery bypass grafting among older patients. *Ann Thorac Surg* 2007; 84(3) 829-834; discussion 834-835.

Reiley CE, Akinbiyi T, Burschka D, Chang DC, Okamura AM, **Yuh DD**. Effects of visual force feedback on robot-assisted surgical task performance. *J Thorac Cardiovasc Surg* 2008; 135(1):196-202.

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Weiss ES, Chang DC, Joyce DL, Nwakanma L, **Yuh DD**. Optimal timing of coronary artery bypass after acute myocardial infarction: A review of California Discharge Data. *J Thorac Cardiovasc Surg* 2008; 135(3):503-511 . e1-3. Epub 2008 Feb 21.

Mahvash M, Gwilliam J, Agarwal R, Vagvolgyi B, Su L-M, **Yuh DD**, Okamura AM. Force-feedback surgical teleoperator: Controller design and palpation experiments. 16th Symp on Haptic Interf Virt Environ and Teleop Syst 2008; 465-471.

Weiss E, Nwakanma L, **Yuh DD**. Outcomes in patients older than sixty undergoing orthotopic heart transplantation: an analysis of UNOS data. *J Heart Lung Transplant* 2008; 27:184-191.

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Kilic A, Weiss ES, Arnaoutakis GH, George TJ, Conte JV, Shah AS, **Yuh DD**. Identifying recipients at high risk for graft failure after heart retransplantation *Ann Thorac Surg* 2012,93(3):712-716. Epub 2012 Jan 5.

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2. Published/Presented Conference Abstracts

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3. Case Reports, Technical Notes, Letters

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Yuh, DD. Redefining tricuspid valve anatomy: Acknowledging the "forgotten valve." *J Thorac Cardiovasc Surg* 2018; 155(4):1520-1521 (Invited Commentary).

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Yuh, DD. Commentary: The beat goes on... Beating heart simulators continue to evolve but have yet to arrive. *J Thorac Cardiovasc Surg* 2021; 1161(5):1886-1887 (Invited Commentary).

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4. Reviews, Chapters, Books

Review Articles

Reitz BA, **Yuh DD.** Heart-lung transplantation: From the laboratory to the clinic. *Sistema Congressi* 1998.

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Reiley CE, Lin HC, **Yuh DD**, Hager GD. Review of methods for objective surgical skill evaluation. *Surgical Endoscopy* 2011; 25(2):356-366.

Chapters

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Robbins RC, **Yuh DD**, Reitz BA. Congenital Diseases of the Heart. In: Niederhuber JE, ed. *Fundamentals of Surgery*. Los Altos, Appleton & Lange, 1998: pp. 492-521.

Yuh DD, Robbins RC, Reitz BA. Transplantation of the Heart and Lungs. In: Edmunds Jr. LH, ed. *Cardiac Surgery in the Adult*. New York, McGraw-Hill, 1997: pp. 1451-1475.

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Yuh DD, Baumgartner WA. Cardiac Surgery in the Elderly. In: Gerstenblith G, ed. Cardiovascular Disease in the Elderly. Totowa, NJ, Humana Press, Inc. 2005: pp. 179-201.

Yuh DD. Critical Care of Heart and Lung Transplant Recipients. In: Irwin RS, Rippe JM, eds. Manual of Intensive Care Medicine, 4th edition. Philadelphia, Lippincott Williams & Wilkins, 2006: pp. 809-815.

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Kim IA, Skelley NW, **Yuh DD.** Critical Care of Heart and Lung Transplant Recipients. In: Irwin RS, Rippe JM, eds. Manual of Intensive Care Medicine, 5th edition. Philadelphia, Lippincott Williams & Wilkins, 2009: pp. 940-947.

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Cameron DB, **Yuh DD.** Surgical Management of Endocarditis. In: Yang SY, Cameron DE, eds. Current Therapy in Thoracic and Cardiovascular Surgery, 3rd edition. Philadelphia, Mosby, Inc., 2014.

Sainathan S, **Yuh DD.** Aortic valve replacement with aortic root enlargement. In: Odell DD, LaPar DJ (eds.) TSRA Operative Dictations in Cardiothoracic Surgery. Chicago, TSRA, 2014.

Blitzer D, **Yuh DD.** Cardiovascular Surgery in the Elderly. In: Leucker TM, Gerstenblith G (eds.) Cardiovascular Disease in the Elderly, 2nd edition. Switzerland, Humana Press, 2023.

Textbooks

Reitz BA, **Yuh DD** (eds.) Congenital Cardiac Surgery. New York, McGraw-Hill, 2001.

Yuh DD, Vricella LA, Baumgartner WA (eds.) Johns Hopkins Manual of Cardiothoracic Surgery. New York, McGraw-Hill, 2007.

Yuh DD, Vricella LA, Yang SC, Doty JR (eds.) The Johns Hopkins Textbook of Cardiothoracic Surgery 2/e. New York, McGraw-Hill, 2014.

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INVITED LECTURES, COURSES, WEB-BASED EDUCATION

- 2019 Association of Physician Assistants in Cardiothoracic and Vascular Surgery 38th Annual Meeting: “Update on Endocarditis” (Miami, FL)
- 2016 American Heart Association 2016 Scientific Sessions: “Becoming a Division Chair: Advantages and Pitfalls” (New Orleans, LA)
- 2016 96th Annual Meeting of the American Association for Thoracic Surgery: “Looking Ahead: Developing Essential Leadership Skills” (Baltimore, MD)
- 2016 Yale University Department of Surgery Grand Rounds: “Exploring Relationships Between Cardiopulmonary Bypass and Postoperative Neurocognitive Dysfunction” (New Haven, CT)
- 2015 95th Annual Meeting of the American Association for Thoracic Surgery: “Preparing for Leadership – Do I Really Want to Do This?” (Seattle, WA)
- 2014 Yale School of Medicine Multi-Modality Cardiovascular Imaging Conference: “Ischemic MR: Should We Just Put A Ring On It?” (New Haven, CT)
- 2013 Johns Hopkins Department of Radiology Grand Rounds: “Blueprint for the Heart: Computational Cardiac Modeling” (Baltimore, MD)
- 2013 Bridgeport Hospital Department of Surgery Grand Rounds: “The State of Cardiothoracic Surgery” (Bridgeport, CT)
- 2012 Yale University Department of Surgery Grand Rounds: “The Halstedian Model: Is it still relevant?” (New Haven, CT)
- 2011 91st Annual Meeting of the American Association for Thoracic Surgery: “3D-TEE based computational modeling of the mitral valve for surgical planning” (Philadelphia, PA)
- 2011 91st Annual Meeting of the American Association for Thoracic Surgery: “Optimal utilization of cardiac MRI” (Philadelphia, PA)
- 2011 56th Annual Philip A. Tumulty Topics in Clinical Medicine, Johns Hopkins University School of Medicine, “Emerging technologies in cardiac surgery” (Baltimore, MD)
- 2011 Johns Hopkins Hospital Department of Medicine Grand Rounds, “Advances in minimally invasive cardiac surgery” (Baltimore, MD)
- 2011 Yale University Section of Cardiovascular Medicine Grand Rounds, “Advances in minimally-invasive cardiac surgery” (New Haven, CT)
- 2010 Johns Hopkins Hospital Department of Surgery Grand Rounds, Inaugural Miller Family Lecture for Vascular and Cardiac Disease, “Can technology make us better surgeons?” (Baltimore, MD)
- 2008 Echocardiography and Beyond at Johns Hopkins Continuing Education Course, “Role of echocardiography in minimally-invasive cardiac surgery” (Baltimore, MD)
- 2008 Cardiovascular Topics at Johns Hopkins Continuing Education Course, “Update on

- minimally invasive cardiac surgery” (Baltimore, MD)
- 2007 Johns Hopkins Division of Cardiology 8th Cardiology Update (CME Course), “Minimally-invasive cardiac surgery” (Baltimore, MD)
- 2007 Johns Hopkins Hospital Division of Cardiology Grand Rounds, “Minimally-invasive cardiac surgery” (Baltimore, MD)
- 2006 Punta Pacifica Hospital (JHH Affiliate) Johns Hopkins International Seminar, “New operations for CHF and minimally-invasive cardiac surgery” (Panama City, Panama)
- 2006 Johns Hopkins Department of Engineering “Change of Heart” Seminar, “Cardiac surgical robotics” (Baltimore, MD)
- 2005 Symposium for New Cardiac Technologies, Bear Stearns Working Group, “Prospects for the Intuitive Surgical da Vinci surgical robotic system in cardiac surgery” (New York, NY)
- 2005 Hartford Foundation Board of Trustees/American Geriatrics Society Annual Meeting, “Cardiac surgical robotics” (Palm Beach, FL)
- 2005 Johns Hopkins Bayview Medical Center Cardiology Grand Rounds, “Cardiac surgical Robotics” (Baltimore, MD)
- 2004 Hopkins Today Symposium, “Rise of the machines: advances in robotics for minimally-invasive cardiac surgery” (New York, NY)
- 2004 Johns Hopkins Symposium -- Advanced Medical and Surgical Treatment of Heart Failure: “Mitral valve repair for congestive heart failure” (Baltimore, MD)
- 2004 Keynote Address – Computer-Integrated Surgical Systems and Technology Symposium “Robotics for Minimally-Invasive Surgery” (Baltimore, MD)
- 2004 Johns Hopkins Division of Cardiovascular Medicine Fellows Conference, “Type A aortic dissection” (Baltimore, MD)
- 2004 Annual Scientific Meeting of the American Geriatrics Society, “Treatment of postoperative delirium in geriatric patients after cardiac surgery” (Las Vegas, NV)
- 2004 Johns Hopkins International Symposium -- Managing Change in Clinical Care, “Surgical robotics: potential impact on cardiac surgical outcomes” (Baltimore, MD)
- 2004 Society of Clinical Surgery, “Robotics in cardiac surgery” (Baltimore, MD)
- 2004 Thoracic Surgical Directors Association Curriculum Series “Mechanical support of the heart” (Arlington, VA)
- 2004 Cardiovascular Topics at Johns Hopkins Continuing Education Course, “Cardiac surgical robotics” (Baltimore, MD)

- 2004 Johns Hopkins Division of Cardiovascular Medicine Grand Rounds, “Cardiac surgical robotics” (Baltimore, MD)
- 2003 Johns Hopkins Department of Surgery Research Seminar Series, “Surgical robotics: performance enhancement” (Baltimore, MD)
- 2003 Computer Integrated Surgical Systems Technology – Johns Hopkins Engineering Research Center Seminar, “Surgical robotics: cardiac surgical applications” (Baltimore, MD)
- 2003 Clinical and Research Aspects of Heart Failure, Johns Hopkins Continuing Education Course, “New strategies for transplant induction” (Cambridge, MD)
- 2003 Johns Hopkins Department of Surgery Grand Rounds, “Type A aortic dissections: an Update” (Baltimore, MD)
- 2003 Cardiovascular Topics at Johns Hopkins “VADs and prospects for an implantable heart prosthesis” (Baltimore, MD)
- 1997 The 1997 Kovitz Visiting Professor Lectureship Research Seminar in Honor of David B. Skinner, MD, “*In Utero* tolerance to heart, lung, and skin allografts” (Stanford, CA)
- 1997 New Developments in Cardiovascular Disease in Honor of Michael E. DeBakey, MD “*In utero* tolerance to heart, lung, and skin allografts” (Stanford, CA)
- 1996 69th Scientific Sessions of the American Heart Association “*In Utero* Induction of Immunotolerance to Cardiac, Lung, and Skin Allografts” (New Orleans, LA)
- 1996 Stanford University Medical Center Symposium for Critical Care Nursing, “Fever: to treat let cook” (Stanford, CA)
- 1996 82nd Annual Clinical Congress of the American College of Surgeons, “*In utero* induction of immunotolerance to cardiac, lung, and skin allografts” (San Francisco, CA)
- 1995 68th Scientific Sessions of the American Heart Association, “Tolerance to cardiac allografts induced *in utero* with fetal liver cells” (Anaheim, CA)
- 1995 81st Annual Clinical Congress of the American College of Surgeons, “Preservation of placental function after cardiopulmonary bypass in fetal sheep using extracorporeal membrane oxygenation” (New Orleans, LA)
- 1995 15th Scientific Sessions of the International Society of Heart and Lung Transplantation, “Leflunomide prolongs pulmonary allograft and xenograft survival” (San Francisco, CA)
- 1994 University of Minnesota Department of Surgery Transplant Conference, “Deoxyspergualin: what we know” (Minneapolis, MN)
- 1990 9th Annual Meeting of the American Society of Transplant Physicians, “The immunopharmacology of immunosuppression by 15-deoxyspergualin” (Chicago, IL)

MENTORING**Arnar Geirsson, MD**

Assistant Professor of Surgery
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2011-2013

Dates of Mentoring:

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Resident in Surgery
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2011-present

Dates of Mentoring:

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2003-present

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Dates of Mentoring:

Physician Advisor

Bioengineering Innovation & Design Program
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Dates of Mentoring: 2006 (Thesis Committee May 16, 2006)

Henry Lin, BS, PhD

Research Analyst

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<i>Dates of Mentoring:</i>	2002-2004
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<i>Dates of Mentoring:</i>	2002-2004
Joseph P. DeSimone, MD	Assistant Professor of Surgery Dartmouth-Hitchcock Medical Center Lebanon, NH
<i>Dates of Mentoring:</i>	2004-2007
Stephen M. Cattaneo, MD	Thoracic Surgeon Annapolis Thoracic Surgery Associates Annapolis, MD
<i>Dates of Mentoring:</i>	2001-Current
Sunjay Kaushal, MD, PhD	Associate Professor of Surgery Director, Pediatric Cardiac Surgery University of Maryland Medical Center Baltimore, MD
<i>Dates of Mentoring:</i>	2001-2006
Jay G. Shake, MD	Director, Cardiothoracic Intensive Care Unit Scott & White, Memorial Hospital Temple, TX
<i>Dates of Mentoring:</i>	2001-2006
Tien-Hsien Hsia, MD	Consultant Pediatric Cardiac Surgeon Great Ormond Street Hospital for Children, NHS Trust London, United Kingdom
<i>Dates of Mentoring:</i>	2001-2005
Eric A. Peck, MD	Cardiothoracic Surgeon California Cardiac Surgeons Bakersfield, CA

Dates of Mentoring: 2001-2005

Jorge D. Salazar, MD

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University of Mississippi Medical Center
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Dates of Mentoring:

2001-2003

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Dates of Mentoring:

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