**CURRICULUM VITAE 2/2/2024**

**EDWARD A. GILL Jr., M.D**

**1. Personal Data:**

Place of Birth: Deer Lodge, **Montana**

Citizenship: **United States of America**

**2. Education:**

1980 Bachelor of Science in Biology, University of Utah, Minor Chemistry, Salt Lake City, UT

1984 M.D., University of Washington School of Medicine, Seattle, WA

**3. POSTGRADUATE TRAINING:**

1984-1985 Medical Intern, Department of Internal Medicine, University of Washington Affiliated Hospitals, Seattle, WA

1985-1986 Junior Medical Resident, Boise VA Medical Center, Boise, ID

1986-1987 Resident, Department of Internal Medicine, University of Washington Affiliated Hospitals, Seattle, WA

1987-1988 Chief Medical Resident, Boise VA Medical Center, Boise, ID

1989-1993 Cardiology Fellow, Division of Cardiology, University of Utah, Salt Lake City, UT

**4. FACULTY POSITIONS HELD:**

1988-1989 Acting Instructor of Medicine, Boise VA Medical Center, Boise, ID

1993-1999 Assistant Professor, University of Colorado School of Medicine, Division of Cardiology, Denver, CO

1999-2000Associate Professor, University of Colorado Health Sciences Center, Department of Medicine, Division of Cardiology, Denver, CO

2001-2016 Clinical Professor, Seattle University, Department of Diagnostic Ultrasound, Seattle, WA

2004- 2011 Adjunct Associate Professor, University of Washington, Department of Radiology, Seattle, WA

2000- 2010 Associate Professor, University of Washington, Department of Medicine, Division of Cardiology, Seattle, WA

2010-2016 Professor, University of Washington, Department of Medicine, Division of Cardiology, Seattle, WA

2011-2016 Adjunct Professor, University of Washington, Department of Radiology, Seattle, WA

2016-2018 Affiliate Professor of Medicine, Division of Cardiology, University of Washington, Seattle, WA

2016-2017 Visiting Professor, Director of Interventional Echocardiography, University of Colorado, Department of Medicine, Division of Cardiology

2017-Present Professor, Director of Interventional Echocardiography, University of Colorado, Department of Medicine, Division of Cardiology

2020-Present Professor, Co-Director of Hypertrophic Cardiomyopathy Clinic, University of Colorado, Department of Medicine, Division of Cardiology

**5. HOSPITAL POSITIONS HELD:**

1988-1989 Co-Director, Emergency Dept., Boise VA Medical Center

1990-1993 (Winter) Sports Medicine Physician, Snowbird Emergency Clinic, Snowbird, Utah

1993-2000 University of Colorado Health Sciences Center, Dept. of Medicine, Division of Cardiology, Director, Echocardiography

2000- 2016 Director of Echocardiography Laboratory, Harborview Medical Center, University of Washington, Seattle, WA

2016-present Director of Interventional Echocardiography, University of Colorado Hospital, Aurora, Colorado

**6. HONORS:**

1979 Alpha Epsilon Delta, University of Utah, Salt Lake City, UT

1980 Cum Laude plus Honors Program, University of Utah, Salt Lake City, UT

1983 Medical Student Clinical Rotation in Medicine

1984 Medical Student Clinical Rotation in Pathology

1992 Winner, Honorable Mention, Utah ACP Poster Session

1993 ACC Travel Award for Cardiology Fellows (Bristol)

1997 Outstanding Cardiology Faculty (given by the Cardiology Fellows), University of Colorado

2016 Nominated Outstanding Medicine Faculty University of Washington

**7. BOARD CERTIFICATIONs:**

1987 Diplomate, American Board of Internal Medicine

1993, 2005, 2014 Diplomate, American Board of Internal Medicine, Cardiovascular Diseases

1999, 2009, 2019 Echocardiography (ASE Special Competency Test)

2005 American Board of Nuclear Cardiology

2005, 2019 American Board of Clinical Lipidology

**8. CURRENT LICENSES TO PRACTICE with Expiration Dates:**

2022 Washington State License MD 00023063

2021 Colorado State License 0032995

**9. Imaging Level of Training**

Echocardiography: Level 3 training completed 1993

Nuclear Cardiology: COCATS Level 2 training completed 1993, ASNC Board Certification 2005-2015

Cardiac CT: Level 1 Training completed 2014

Cardiac MRI: Level 1 Training completed 2006

**10. PROFESSIONAL ORGANIZATIONS:**

Fellow, American College of Physicians

Fellow, American College of Cardiology

Fellow, American Heart Association

Fellow, American Society of Echocardiography

Fellow, National Lipid Association

Member, Western Association of Physicians, Elected

Member, Society of Nuclear Cardiology

Member, Society of Cardiac Magnetic Resonance Imaging

Member, Society of Cardiac CT

**11. TEACHING RESPONSIBILITIES:**

1997-2000 Congenital Heart Disease (Yearly, Part of Medical Student’s Pathophysiology Course) During University of Colorado Appointments

2001-2003 UW HuBio 540 - Group Leader for Second Year Medical Student Course

2000-2016 Fellow Teaching in Echocardiography Laboratory

Harborview Cardiology Rounds

Fellow Teaching in Harborview Cardiology Clinic (Current Fellow- Mariko Harper)

Attending Rounds during Harborview CCU attending (4 lectures/week x 2 weeks x 3 times/year)

Medic One Lectures— one-hour lectures/year

Western Washington Society of Echocardiography- 2 lectures/year

2016-present At University of Colorado School of Medicine

CCU Resident Didactic Lectures—Valvular Heart Disease, 1/mo, ACS update, 3x/year

Fellow Teaching in Echocardiography Laboratory

Fellow Echocardiography Didactic Sessions—3x/year

2nd Year Medical Student CV/Pulm Small Group Leader

Fellow and Resident Teaching on CCU Rounds—3x/year

Trainees/Mentees in last 5 years:

* Samira Bahrainy, MD- Physician, VA Puget Sound Healthcare System (2009-present, publications 54,62), currently Cardiology Fellow in Dayton, Ohio, followed by University of Utah, followed by Pueblo Colorado
* Divya Soman, Medical Resident, UW, Cardiology Fellow OHSU, starting July 2013)
* Mariko Welch, Medical Resident, now Cardiology Fellow (Research mentor 2014-2015 involving Echo contrast and patent foramen ovale, 2013 ACC abstract and book chapter 10), currently Cardiology Faculty/Staff at Virginia Mason Medical Center, Seattle
* Research Mentor for Ahmed Zaky, MD, Anesthesia Attending, VAMC Seattle, now @ UAB (2014-2016)—see publication, currently Cardiac Anesthesiologist at University of Alabama, Birmingham
* Aneet Patel, Cardiology Fellow-for recent book Chapter, 2015 publication—see 2015 book chapter
* Tuncay Taskesen—Turkish Cardiologist (research mentor 2013-2020 see publications 58,60,68) currently Cardiology Fellow in Iowa, Now Pending Interventional Fellowship
* Elisa Zaragosa-Macias, Recent Graduate UW Cardiology Fellowship (research mentor 2012-2013 publication 56 and book chapter 9)), currently medical resident, Chicago (doing US retraining)
* Kevin Li Undergraduate Biochemistry Student (Research mentor 2015-2016 for Mitral valve prolapse and malignant arrhythmia project)
* Niteesha Ganta—Research Mentor 2015-2016 (currently medical resident at Howard University)
* Joesph Burke, Cardiology Fellow University of Colorado, 2017 ACC abstract submitted and pending 2017 ASE abstract (currently interventional fellow at Beaumont Hospital)
* Sunit Puroheet, Cardiology Fellow University of Colorado, research mentor for project involving MitraClip
* Joseph Burke, Cardiology Fellow University of Colorado, research mentor for project on TAVR and mitral regurgitation, currently Interventional Fellow, Henry Ford Hospital (Now University of Colorado Faculty)
* Andrew Levy, Cardiology Fellow University of Colorado, Mentor for National Lipid Association (Became University of Colorado Faculty)
* Shu Chang, Cardiology Fellow University of Colorado, Mentor for Lipid Spin article
* Minakshi Biswas, Cardiology Fellow University of Colorado, Mentor for Lipid Spin article (Now Private Practice)
* Sara Slaven 2020-2021 Medicine Resident, Mentor for Multiple publications on Fusion Imaging and Valvular Disease (now University of Cardiology Fellow)
* McHale Anderson 2020-2021 Medicine Resident, Mentor for publication on TEE for MitraClip
* Whitney Juselius 2020-present Cardiology Faculty, Mentor for research and education
* Esra Domenez 2021-2022 Cardiology Faculty from Istanbul, Turkey: Mentor for research and publications on Mitral Regurgitation and Hypertrophic Cardiomyopathy
* August Longino (primary mentor is Ivor Douglas) R38 Resident Research 2022-2024
* Katrina Leyba R38 Resident Research 2023-2024 (winner of ASE travel grant 2023)
* Michael Morcos, MD Junior University of Colorado Faculty (2022-present)
* Katie Martin, MS4 Mentor for VExUS evaluation project (winner of ASE travel grant 2023)

**12. EDITORIAL RESPONSIBILITIES:**

2007-Current Editorial Board, Journal of Clinical Lipidology

2009-Current Editorial Board, Echocardiography

2014-Current Associate Editor, Journal of Clinical Lipidology, Imaging

2021-Current Associate Editor, CASE, Cases Journal of the American Society of Echocardiography

2023-Current Associate Editor Frontiers in Cardiology

**13. SPECIAL NATIONAL RESPONSIBILITIES:**

2006-2007 National Committee, American Society of Echocardiography, Scientific Sessions Planning Committee

2008-2015 Advocacy Committee National Committee, American Society of Echocardiography

2008-2011 Chairman, National Task Force for Advancement of Local Echocardiography Societies

2009 Treasurer, Pacific Lipid Association (Regional Branch of National Lipid Association)

2010-2011 President, Pacific Lipid Association (Pacific Division of the National Lipid Association)

2013-2020 Board Member, National Lipid Association

2015-2016 National Committee, American Society of Echocardiography, Scientific Sessions Planning Committee

2015-2016 Co-Chair Early Career Development, Committee, National Lipid Association

2020-2021 National Committee, American Society of Echocardiography Foundation of the ASE

2016-2019 Board Member, American Society of Echocardiography

2016-2020 Chair, Early Career Development Committee, National Lipid Association

2019-2020 National Committee American Society of Echocardiography, Scientific Sessions Planning Committee, Co-Chair Valvular Heart Disease Session

2018-2021 National Committee, American Society of Echocardiography, Guidelines and Standards Committee

2020-Current National Committee, American Society of Echocardiography—social media and Twitter Journal Club

2017-2020 Board Member National Lipid Association

2020-2022 Executive Committee Member National Lipid Association

2021-2023 Co-Chair, FASE committee of the American Society of Echocardiography

2022-2023 Chair-Elect American Society of Echocardiography Council of Vascular Ultrasound

2023-Present Chair-Elect American Society of Echocardiography Finance Committee

2023-Present Board Member National Lipid Association

**14. SPECIAL LOCAL RESPONSIBILITIES:**

2002-2016 President, Western Washington Society of Echocardiography

2004-1016 Cardiology Grand Rounds Committee

2009-2016 Elected, Western Association of Physicians

2013-2015 Faculty Senate, University of Washington

**15. Meeting Planning Experience**

1. **National Meeting Planning**

2017 National Lipid Association Annual Scientific Session

2019 National Lipid Association Annual Scientific Sessions

2016 Scientific Sessions Committee American Society of Echocardiography

2020 Scientific Session Committee American Society of Echocardiography

1. Local Meeting Planning

Local Echo Society Meetings 2000-2016 Western Washington Society of Echocardiography

Fellows Academic Day Planning

2023 Mitral Valve Disease

2023 Coronary Calcium Scoring and Coronary CTA

2024 Preventive Cardiology

**16. RESEARCH FUNDING:**

A. CURRENT

2021-2022 NHLBI-

2016-2021 Strategic Network for Heart Failure, American Heart Association Peter Buttrick Program Leader, Michael Bristow Project PI. Core Echo Lab.

2020-2021 American Heart Association COVID-19 Grant “Myocardial virus and gene expression in SARS CoV-2 Positive patients with clinically important myocardial dysfunction” PI Bristow $100,000

2020-2021 University of Colorado Health Equipment Grant:” Point of Care Ultrasound for detection of left ventricular systolic and diastolic dysfunction in SARS CoV-2 Positive patients”

B. APPLIED NBIB Grant for Transesophageal 2D and 3D Simulation. Florence Sheehan the PI. “Simulation to improve patient safety when training physicians to perform transesophageal echocardiography”.

C. PAST

2001-2003 American Heart Association Grant-in-Aid “Increased nitric oxide using L-arginine improves left ventricular diastolic function and brachial artery reactivity” Gill PI, $100,000

2008-2013 UW Discover Center: cardiovascular disease and traffic-related air pollution. NIH P50. $8,463,636 (15% salary support)

PI: Joel Kaufman, Gill: Associate director for communication and translational research

2005-2013 Effects of omega-3 fatty acids vs. placebo on vascular structure and CV risk biomarkers. PI: Gill, Pfizer Preventive Cardiology, $160,000

2008-2013 Vascular Permeability as measured by DCE-MRI (pilot study) comparing metabolically normal to MetS premenopausal women. PI: Gill, John L. Locke Foundation, $56,000

2012-2013 Are There Gender Related Differences in Atherosclerosis Plague Composition and Response to Therapy? PI: Bobbie Paramsothy, Alpha Phi Foundation, $50,000

2013-2014 Gender Differences in Carotid Plaque Vascular Permeability Explain Similar Outcomes Between Men and Women Despite Lower Plaque Lipid Content in Women, PI: Gill, John L. Locke Foundation, $20,000 (Complete)

2014-2015 Comprehensive Computed Tomography Evaluation of Sudden Death Survivors, PI: Gill and Branch, Medic One Foundation, $46,214

2013-2015 Development of a Simulator for Training and Competency Testing in 2D and 3D TEE, PI: Florence Sheehan; Gill: Major Key Collaborator. American Heart Assoc., $140,000

**16. BIBLIOGRAPHY:**

A. Journal Articles

1. Gill EA, Swiontkowski MF. Slipped capital femoral epiphyses. *American Family Physician,* 1986; 33(4):167-171.

2. Gill EA, Ashwood ER. Blood gas nomogram for a personal microcomputer (a computer program). *Laboratory Medicine,* 1988; 19(7):453-454.

3. Gill EA, Stevens DL. Primary sternal osteomyelitis report of two cases and review of the literature. *Western Journal of Medicine*, 1989; 151:199-203.

4. Gill EA, McIntyre TM, Prescott SM, Zimmerman GA. Mechanisms of vascular injury in the pathogenesis of infectious disease. *Current Opinion in Infectious Diseases,* 1992; 5:381-388.

5. Gill EA, Borrego C, Bray BE, Renlund, Hammond EH, Gilbert EM. Left ventricular mass increases during vascular rejection: comparison with cellular rejection.  *J Am Coll Cardiol*, 1995; 25:922-6.

6. Kozak M, Gill EA, Green, LS. The Churgg-Strauss Syndrome. *Chest*, 1995; 107:578-80.

7. Westin CA, Hubbard M, Noyes ME, Gill EA. Anterior shoulder dislocation: a simple and rapid method for reduction. *Am J Sports Med,* 1995; 23:369-371.

1. Gill EA, Kong Y, Horwitz LD. An oligosaccharide Sialyl lewisX analog does not reduce myocardial infarct size after ischemia and reperfusion in dogs. *Circulation,* 1996; 94:542-546
2. Lowes BD, Gill EA, Abraham WT, Larrain J-R, Robertson AD, Bristow MR, Gilbert EM. Effects of carvedilol on left ventricular mass, chamber geometry, and mitral regurgitation in chronic heart failure. *Am J. Cardiol* 1999; 83:1201-1205
3. Mandell MS, Katz JJ, Wachs M, Gill E, Kam I. Circulatory pathophysiology and options in hemodynamic management during adult liver transplantation. *Liver Transplantation & Surgery,* 1997; 3:379-87
4. Bisognano JD, Young B, Brown JM, Gill EA, Fang FC, Zisman LS. Diverse presentation of aberrant origin of the right subclavian artery: case reports and ß review of the literature. *Chest,* 1997; 112: 1693-1697
5. Gill EA, Imaizumi Tada-atsu, Carveth H, Tarbet EB, McIntyre TM, Prescott SM, Zimmerman GA, Gill EA. Bacterial lipopolysaccharide induces endothelial cells to synthesize a degranulating factor for neutrophils. *FASEB J,* 1998; 12:673-684
6. Gill EA, Trujillo NP. Aortic stenosis: New concepts of Diagnosis and Management. *Hospital Practice,* 1997; 32:169-177
7. Zimmerman GA, Albertine KH, Carveth HJ, Gill EA, Grissom CK, Hoidal JR, Imaizumi T, Maloney CG, McIntyre TM, Michael JR, Orme JF, Prescott SM, Topham MS. State of the art: endothelial activation in the acute respiratory distress syndrome (ARDS). *Chest*, 1999; 116:18S-24S
8. Shandas R, Kwon J, DeGroff CG, Trujillo NP, Gill EA, Valdes-Cruz L. Utility of three dimensional ultrasound Doppler flow reconstruction of the proximal jet to quantify regurgitant orifice area: In vitro Steady and Pulsatile Flow Studies. *J Am Soc Echocardiography,* 1998; 11:313-21
9. Ecder T, Edelstein CL, Chapman AB, Johnson AM, Tison L, Gill EA, Brosnahan GM, Schrier RW. Reversal of left ventricular hypertrophy with angiotensin converting enzyme inhibition in hypertensive patients with autosomal dominant polycystic kidney disease. *Nephrology Dialysis Transplantation* 1999; 14:1113-1116
10. Shively BK, Roldan CA, Gill EA, Najarian T, Barton Loar S. Prevalence and determinants of valvulopathy in patients treated with dexfenfluramine: the Oregon dexfenfluramine echo study. *Circulation* 1999; 100:2161-2165
11. Roldan CA, Gill EA, Shively BK. Prevalence and diagnostic value of precordial murmurs for valvular regurgitation in obese patients treated with dexfenfluramine. *Am J Cardiol* 2000; 86:535-539
12. Gill, EA. Live Three-Dimensional Echo-A major incremental step in the development of cardiac ultrasound. *J Cardiovascular Mgmt,* 2003; 14:13-17
13. Gill EA, Pittenger B, Otto CM. Evaluation of the Severity of Valvular Disease and the Timing of Surgery. *Revisita Espanola Cardiologi*a 2003; 56:900-14
14. Heath M, Deubner H, Stern EJ, Cooke JE, Gill EA. A 28-year-old woman with ventricular tachycardia and an abnormal chest x-ray. *Heart,* 2003 Jun;89(6):e19
15. Houck RC, Cooke JE, Gill EA. Three-Dimensional Echo: Transition from Theory to Real-Time, A Technology Now Ready for Prime Time. *Curr Probl Diagn Radiol,* 2005 May-Jun; 34(3):85-10523.
16. Regensteiner JG, Popylisen S, Bauer T, Lindenfeld JA, Gill EA, Smith S, Thomas A, Oliver Pickett CK, Reusch JEB, Weil JV. Oral administration of L-arginine and vitamins C and E improves endothelial function in women with type 2 diabetes. *Vascular Medicine* 2003; 8:169-75
17. Becker K, Skalabrin E, Hallam D, Gill EA. Is sex a risk factor for stroke? *Archives of Neurology* 2004; 61:1114-6
18. Pittenger B, Gill E. Carvedilol reduces QT dispersion in patients treated for congestive heart failure. *Am J Cardiol* 2004; 94:1459-62
19. Chung K, Gill EA. Myocardial perfusion imaging in acute coronary syndromes: potential use in decision making for emergent revascularization. *Card Review* 2004; 12:1-5
20. \*Nanda NC, Kisslo J, Lang R et al. Examination protocol for three-dimensional echocardiography. *Echocardiography* 2004; 21:763-768
21. Gill EA. Definitions and pathophysiology of the patent foramen ovale: A broad overview. *Cardiol Cl* 2005 Feb; 23:1-6.
22. Beda RD, Gill EA. Patent foramen ovale: Does it play a role in the pathophysiology of migraine headache? *Cardiol Cl* 2005 Feb; 23:91.
23. Gill EA, Quaife RA. The echo cardiographer’s role in the diagnosis of patent foramen ovale. *Cardiol Cl* 2005 Feb; 23:47-52.
24. Gill EA, Quaife RA, Goldberg SL. The echocardiographer’s role during the placement of patent foramen ovale occluder devices. *Cardiol Cl* 2005 Feb; 23: 53-64.
25. Chen GP, Goldberg SL, Gill EA. Patent foramen ovale and the platypnea orthodeoxia syndrome. *Cardiol Cl* 2005 Feb; 23:85-9.
26. Gill EA, Carroll JD. Patent foramen ovale: no longer an innocent remnant of fetal circulation. (Preface) *Cardiol Cl* 2005 Feb; 23:xi-xii
27. Houck RC, Cooke JE, Gill EA. Live three-dimensional echo—an entire replacement for traditional two dimensional echo*. American Journal of Roentgenology*: 2006; October 187(4):1092-106. PMID16985162
28. Lang RM, Nanda N, Franke A, Collins KA et al. Live three-dimensional transthoracic echocardiography: case study world atlas. *Echocardiography* 2005:22:95-8
29. Prutkin JM, Chen MA, Rho RW, Gill EA. Echocardiographic assessment of dysynchrony for predicting a favorable response to cardiac resynchronization therapy. *US Cardiovascular Disease* 2006; 1: 1-5
30. \*Laflamme MA, Chen KY, Naumova AV, Muskheli V, Fugate JA, Dupras SK, Reineck H, Xu C, O’Sullivan C, Collins L, Chen Y, Minami E, Gill EA, Ueno S, Yuan C, Gold J, Murry CE. Cardiomyocytes derived from human embryonic stem cells in pro survival factors enhance function of infracted rat hearts. *Nature Biotechnol* 2007; 25:1015-1024.
31. Peretz A, Leotta DF, Sullivan JH, Trenga CA, Sands FN, Aulet MR, Paun M, Gill EA, Kaufman. Flow mediated dilation of the brachial artery: an investigation of methods requiring further standardization. *Cardiovasc Disord* 2007; 21:11
32. Gill EA, Liang DH. Interventional three-dimensional echocardiography: using real-time three-dimensional echocardiography to guide and evaluate intracardiac therapies. *Cardiol Clin*. 2007; 25:335-40.
33. de Agustin JA, Nanda NC, Gill EA, de Isla LP, Zamorano JL. The use of three-dimensional echocardiography for the evaluation and treatment of mitral stenosis. *Cardiol Clin* 2007; 25:311-8.
34. Ahlgrim AA, Nanda NC, Berther E, Gill EA. Three-dimensional echocardiography: an alternative imaging choice for evaluation of tricuspid valve disorders. *Cardiol Clin* 2007 25:305-9.
35. Horstman JA, Monaghan MJ, Gill EA. Intraventricular dyssynchrony assessment by real-time three-dimensional echocardiography. *Cardiol Clin* 2007; 25:253-60
36. Gill EA, Klas B. Three-dimensional echocardiography: an historical perspective. *Cardiol Clin* 2007; 25:221-9.
37. Gill EA, Nanda NC, Lang RM. Three-dimensional echocardiography (Preface) *Cardiol Clin* 2007; 25:xiii-xiv
38. Cawley P, Gill EA, Goldberg S. Successful closure of an aortic graft pseudo-aneurysm with a percutaneous patent foramen ovale occluder device. *J Inv Cardiol* 2008; 20:E19-22
39. Schaefer BM, Lewin MB, Stout KK, Gill E, Prueitt A, Byers PH, Otto CM. The bicuspid aortic valve: an integrated phenotypic classification of leaflet morphology and aortic root shape. *Heart* 2008; 94:1634-8
40. Peretz A, Sullivan JH, Leotta DF, Trenga CA, Sands FN, Allen J, Carlsten, Wilkinson CW, Gill EA, Kaufman JD. Diesel Exhaust inhalation elicits acute vasoconstriction in vivo. *Environmental Health Perspectives* 2008; 116:937-42.
41. Van Hee VC, Adar SD, Szpiro AA, Graham RG, Bluemke DA, Diez AV, Gill EA, Sheppard L, Kaufman JD. Exposure to traffic and left ventricular mass and function: the multi-ethnic study of atherosclerosis. *Am J Respir Crit Care Med* 2009, 9:827-34.
42. Gill EA. Does Statin Therapy Affect the Progression of Atherosclerosis Measured by a Coronary Calcium Score? *Current Atherosclerosis Reports* 2010;12(2):83-7.
43. Liviakis L, Pogue B, Paramsothy P, Ahlgrim A, Gill EA. Carotid Intimal Medial Thickness for the Practicing Lipidologist. *J Clinical Lipidology* 2010 Jan-Feb;4(1):24-35
44. Van Hee VC, Adar SD, Szpiro AA, Barr RG, Diez Roux A, Bluemke DA Sheppard L, Gill EA, Bahrami H, Wassel C, Sale MM, Siscovick DS, Rotter JL, Rich SS, Kaufman JD. Common Genetic Variation, Residential Proximity to Traffic Exposure, and Left Ventricular Mass: The Multi-Ethnic Study of Atherosclerosis. *Environ Health Perspect* 2010: 118 (7): 962-9 epub 2010/03/22
45. Chen MA, Hanna R, Gill EA. Cor Triatriatum Evaluated by Real-Time 3D TEE. *Echocardiography* 2011, 28(6):E125-8.
46. Gill EA, Curl CL, Adar SD, Allen RW, Auchincloss AH, O’Neill MS, Park SK, Van Hee VC, Diez Roux AV, Kaufman JD. Air pollution and cardiovascular disease in the Multiethnic Study of Atherosclerosis. *Prog in Cardvasc Dis* 2011. 53:353-60.
47. Bahrainy S, Vo M, Gill EA. Increased mortality in patients with conflicting diastolic parameters. *International J of Cardiac Imaging* 2011: May 27.
48. Hoang MV, Linnaue KF, Gill EA, Lehnert BE, Mannelli L.Computed tomography diagnosis of myocardial infarction in a patient with normal initial cardiac biomarkers. *Emerg Radiol* 2011; Oct 1.
49. \*Zaragosa-Macias E, Chen MA, Gill EA. Real-Time 3D Echocardiography Evaluation of Intracardiac Masses. *Echocardiography* 2012; 29:207-19.
50. \*Chong JJ, Yang X, Don CW, Minami E, Liu YW, Weyers JJ, Mahoney WM, Van Biber B, Palpant NJ, Gantx JA, Fugate JA, Muskheli V, Gough GM, Vogel KW, Astley CA, Hotchkiss CE, Baldessari A, Pabon L, Reinecke H, Gill EA, Nelson V, Kiem HP, Laflamme MA, Murry CE. Human embryonic-stem-cell-derived cardiomyocytes regenerate non-human primate hearts*. Nature* 2014; 510:273-7.
51. Taskesen T, Goldberg SL., Gill EA. Role of Three-Dimensional Echocardiography in Management of Acquired Intracardiac Shunts. *Echocardiography* 2014 Sep; 31(8):E250-3.
52. \*Jacobson TA, Ito MK, Maki KC, Orringer CE, Bayes HE, Jones PH, McKenney JM, Grundy SC, Gill EA, Wild RA, Wilson DP, Brown WV National Lipid Association recommendations for patient centered management of dyslipidemia: Part 1-executive summary. *J Clinical Lipidology* 2014, 8:473-488.
53. Taskesen T, Prouse AF, Goldberg SL, Gill ED. Gerbode defect: another nail for the 3D transesophageal echo hammer? *International Journal of Cardiovascular Imaging* 2015; 31:753-64.
54. Jacobson TA, Ito MK, Maki KC, Orringer CE, Bayes HE, Jones PH, McKenney JM, Grundy SC, Gill EA, Wild RA, Wilson DP, Brown WV National Lipid Association recommendations for patient centered management of dyslipidemia: full report.Part1 *J Clinical Lipidol* 2015; 9:129-169.
55. Herrick C, Bahrainy S, Gill EA. Statins and the Liver. *Cardiol Clinics* 2015; 33:2570265
56. Wild R, Weedin EA, Gill EA. Women’s health considerations for lipid management. *Cardiology Clinics* 2015; 33:217-231.
57. Gill EA, Wyne K, Ballantyne CM*. Cardiol Clinic* 2015 2015; 33:xiii-xiv
58. Gill, Edward A., Poole, Jeanne E. Will the Real Left Bundle Branch Block Please Stand Up? *J Am Coll Cardiol*. 2015; 66:642-4.
59. Taskesen T, Goldberg SL, Mannelli L, Rabkin D, Hawn TR, Fligner CL, Cormack F, Gill EA. Granulomatosis with Polyangiitis Presenting With an Intracardiac Mass and Complete Heart Block: Enhanced Images by a 3D Echocardiography. *Circulation*  2015; 132:961-932:961-964.
60. Petek BJ, Bravo PE, Kim F, De Boer IH, Kudenchuk PJ, Shuman WP, Gunn ML, Carlbom D, Gill EA, Maynard C, Branch KR. Safety of iodinated contrast in sudden cardiac arrest survivors. *Ann Emerg Medicine* 2016; 67:469-476.
61. Steinberg ZL, Don CW, Sun JCJ, Gill EA, Goldberg SL. Percutaneous repair of aortic pseudoaneurysms: A case series. *Journal of Invasive Cardiology* 2016; 28:E6-E10.
62. Phan BA, Bahrainy S, Gill EA. Epicardial adipose tissue-Truly at the heart of the coronaries? *J Clin Lipidol* 2016 10:469-71.
63. [A Zaky](http://www.aaic.net.au/Document/?D=20150335), [EA Gill](http://www.aaic.net.au/Document/?D=20150335), [CP Lin](http://www.aaic.net.au/Document/?D=20150335), [K Bendjelid](http://www.aaic.net.au/Document/?D=20150335), [MM Treggiari](http://www.aaic.net.au/Document/?D=20150335); Characteristics of sepsis-induced cardiac dysfunction using speckle-tracking echocardiography: a feasibility study. *Anaesthesia and Intensive Care* 2016;44:65-76.
64. Bell G, Mora S, Greenland P, Tsai M, Gill E, Kaufman JD. Association of air pollution exposures with high density lipoprotein cholesterol and particle number: the multi-ethnic study of atherosclerosis. *Atherosclerosis, Thrombosis and Vascular Biology* (ATVB) 2017; 37:976-982
65. Taskesen T, Oxorn D, Steinberg Z. Gill et al. Feasibility of Pulmonary Valve Imaging Using Transesophageal Echocardiography Echocardiography 2019;36:930-937
66. Donmez E, Salcedo EE, Quaife R, Miyasaka R, Gill EA, Burke J, Carroll JD. Acute effects of edge to edge percutaneous mitral valve repair on the shape and size of the mitral annulus and its relation to mitral regurgitation., Echocardiography 2019; 36:732-741
67. Structural and functional phenotyping of the failing heart: is the left ventricular ejection fraction obsolete. Bristow MR, Kao DP, Breathett KK, Altman NL, Gorscan J 3rd, Gill EA, Lowes BD, Gilbert EM, Quaife RA, Mann DL. JACC Heart Fail 2017; 11:772-781
68. Jone Pei-Ni, Haak A, Petri N, Ross M, Morgan G, Wikto DM, Gill EA, Quaife RQ, Messenger JC, Salcedo,EE, Carroll JD. Echocardiograph-Fluoroscopy fusion imaging for guidance of congenital and structural heart interventions. JACC CV Imaging 2019;7 Pt 1:1279-1282
69. Gill EA, Blaha MJ, Guyton JR. JCL roundtable: Coronary artery calcium scoring and other vascular imaging for risk assessment. J Clin Lipidology 2019; 13:4-14
70. Robinson JG, Jayanna MB, Brown AA, Aspry K, Orringer C, Gill EA. National Lipid Association Statement: Enhancing the Value of PCSK9 monoclonal antibodies in selected patient groups. J Clin Lipidology 2019; 13:525-537
71. Gill EA, Aspry K. ACC/AHA Cholesterol Guidelines Highpoints and Application. J Clin Lipidology 2019 Submission by April 15 (invited Editorial)
72. Biswas M, Groves D, Chang S, Gill EA. Coronary artery calcification: Current acquisition, interpretation, and application. Manuscript Submitted
73. Jone Pei-Ni, Haak A, Ross M, Wiktor DM, Gill EA, Quaife RA, Messenger JC, Salcedo EE, Carroll JD. Congenital and structural heart disease interventions using echocardiography fluoroscopy fusion imaging. J Am Soc Echocardiography 2019; 32:1495-1504
74. Han T, Paramsothy P, Hong J. et al High-resolution MRI assessed carotid atherosclerotic plaque characteristic comparing men and women with elevated ApoB levels. The International Journal of Cardiovascular Imaging. 2020:1-9
75. Lee J, Chen T, Gill EA. Interventional Echocardiography: Opportunities and Challenges in an Emerging Field. Echocardiography 2020: In press
76. Jone Pei-NI, Sandoval JP, Haak A, Hammers J, Quaife RA, Salcedo EE, Carroll JD, Gill EA. Echocardiography-fluoroscopy fusion imaging: the essential features used in congential and structural heart disease interventional guidance. Echocardiography 2020: In press.
77. Orringer CE, Blaha MJ, Blankstein R, Budoff MJ, Goldberg RG, Gill EA, Maki EA, Mehta Laxmi, Jacobson TA. The National Lipid Association Scientific Statement on Coronary Artery Calcium Scoring to Guide Preventive Strategies for ASCVD Risk Reduction Short Title**:** Coronary Artery Calcium Scoring to Guide Prevention of ASCVD. J Clin Lipidology 2021; 15: 33-60
78. Huang GS, Sheehan FH, Gill EA. Transesophageal echocardiography simulation in the modern era. Echocardiography 2021; in press (special edition of Echocardiography, Gill the guest editor)
79. Taskesen T, Gill EA. Pulmonary valve assessment by three-dimensional echocardiography. Utility of the upper esophageal trans-aortic approach Echocardiography 2021; in press
80. Aimen S, Urja Prakrity, Slulal Subash, Elmazouky Z, Gill EA, Nanda N Three-Dimensional Echocardiographic Assessment of the Aortic Valve and the Aorta Echocardiography 2022 in press, (Special Edition of Echocardiogaphy, Gill the guest editor)
81. Herner M, Salcedo EE, Quaife RA, Gill EA, Mercandetti J, McNair B, Carroll JD Use of left ventricular longitudinal strain to predict reverse left ventricular remodeling after MitraClip repair. Cardol Vasc Res 2021; 5:1-7
82. Edward JA, Chang SC, Gill EA, Tzou WS, Aleng RG. Esophagopericardial fistula as a rare and life-threatening complication of epicardial ventricular tachycardia ablation. JACC Case Reports: 2022 in press
83. Morcos M, Strobel A, Messenger J, Gill EA. Treatment of severe left ventricular outflow tract obstruction and mitral regurgitation with alcohol septal ablation. CASE. 2022 (August 8). DOI.org/10.1016/j.case.2022.06.006
84. Altman NL, Berning A, Saxon C, Adamek K, Wagner J, Slavov D, Quaife RA, Gill EA Minobe WA, Jonas ER, Carroll I, Huebler S, Raines J, Messenger J, Ambardekar AV, Mestroni L, Rosenberg RM, Rove J, Campbell T, Bristow MR. Myocardial Injury and altered gene expression associate with SARS-CoV-2 Infection or mRNA Vaccination. JACC. Basic Trans Scien 2023 Feb, 8 (2) 124–137
85. Gill EA. Salcedo EE Clinical Application of Strain Imaging in Aortic Valve Disease. Advances in Complex Valvular Disease 2020 DOI: 10>5772
86. Longino A, Martin, K Leyba, K, Siegel G, Gill E, Douglas I, Burke J. Correlation between the VExUS score and right atrial pressure: a pilot prospective observational study. Critical Care 2023 27:205
87. Vaccination-associated myocarditis and myocardial injury. Altman NL, Berning AA, Mann SC, Quaife RA, Campbell TB, Bristow MR. Circulation Research 2023; 132: 1338-1357
88. Zirille FM, Saxon D, Morcos M Simon S, Gill EA Significant percentage of patient with STEMI are admitted on STATIN: Shockingly small percentage have Lp(a) evaluated or lipid therapy advanced. J Clin Lipidology Under review
89. Longino A, Martin K, Leyba K, Siegel G, Thai TN, Riscinti M, Douglas IS, Gill EA, Burke J. Prospective evaluation of venous excess ultrasound (VExUS) for estimation of venous congestion. CHEST 2023 doi.org/10.1016/j.chest.2023.09.029
90. Zoghbi WA, Jone P-N, Chamsi-Pasha MA, Chen T, Collins K, Desai M, Grayburn P, Groves DW, Hahn RT, Little SH, Kruse E, Sanborn D, Shah SB, Sugeng L, Swaminathan M, Thaden J, Thavendiranathan P, Tsang W, Weir-McCall JR, Gill EA. Guidelines for the evaluation of prosthetic valve function with Cardiovascular Imaging: A report from the American Society of echocardiography developed in collaboration with the society for cardiovascular magnetic resonance and the society of cardiovascular computed tomography. J Am Soc Echocardiogr 2024; 37:2-63
91. Duggal NM, Engoren M, Chadderdon, Rodriguez E, Morse MA, Vannan MA, Yadav PK, Morcos M, Li F, Resiman M, Garcia-Sayan E, Raghunathan D, Sodhi N, Sorajja P, Chen L, Rogers JH, Calfon Press, MA, Kovach CP, Gill EA, Zahr FE, Ailawadi G. Mortality associated with proportionality of secondary mitral regurgitation after transcatheter mitral valve repair: north American mitraclip for functional mitral regurgitation registry. Am J Cardiol 2024; 213: 99-105
92. Koschinsky ML, Bajaj A, Boffa MB, Dixon DL, Ferdinand KC, Gidding SS, Gill EA, Jacobson TA, Michos ED, Safarova MS, Soffer DE, Taub PR, Wilkinson MJ, Wilson DP, Ballantyne CM. A focused updated to the 2019 NLA Scientific Statement of Use of Lipoprotein(a) in clinical practice. J Clin Lipidol 2024; in press

B**. Book Chapters**

1. Gill EA. Rheumatic heart disease and mitral stenosis. Cardiology Secrets, Hanley and Belfus/Mosby, 1995.
2. Gill EA. Aortic dissection. *Cardiology Secrets*, Hanley and Belfus/Mosby, 1995

Editor for the above book,*Cardiology Secrets.*

1. Gill EA. Bhola R. Rheumatic heart disease and mitral stenosis. Cardiology Secrets, Hanley and Belfus/Mosby, 2001.
2. Gill EA. Marfan Syndrome (for Palm Pilot Cardiology Textbook) 2002.
3. Gill EA. Anorexigen Related Valve Disease (for Palm Pilot Cardiology Textbook) 2002.
4. Gill EA. Annuloaortic Ectasia (for Palm Pilot Cardiology Textbook) 2002.
5. Gill EA. Atheromatous Debris of the Aorta (for Palm Pilot Cardiology Textbook) 2002.
6. Gill EA. Bhola R. Rheumatic heart disease and mitral stenosis. Cardiology Secrets, Hanley and Belfus/Mosby, 2001.
7. Gill E. Evaluation of mitral stenosis by echocardiography and physical examination. Edited by Jonathan Abrams, Carlos Roldan, Lippincott, Williams & Wilkins 2002.
8. Zaragosa-Macia E, Gill EA. Evaluation of Intracardiac Masses in Atlas of 3D Echocardiography, Gill editor, Elsevier 2013.
9. Zaragosa-Macias E, Gill EA How to Perform a 3D Echocardiogram in Comprehensive Textbook of Echocardiography, Nanda editor. Jaypee brothers publisher 2014.
10. Patel A, Krieger EV, Welch M, Gill EA. Coronary artery anomalies. In “Dynamic Echocardiography” 2014 Elsevier, updated in 2017 and in 2020

C. **Published Books, Software, CD-ROMs**

1. Multimedia Textbook of Valvular Heart Disease, Williams and Wilkins, 1996, John D Carroll, M.D. Editor (CD-ROM).
2. Gill EA, Carroll JD. Patent Foramen Ovale: Implications and Therapy. February 2005 (note individual chapters are publications 28-33 above).
3. Gill EA, Nanda NC, Lang RM. Three-dimensional echocardiography. Card Clinic May 2007 Elsevier (note individual chapters are publications 39-44 above).
4. Lang RM, Franke A, Nanda N. Live 3D Echo: A case study world atlas. A CD-ROM with one section of cases from Harborview.
5. Gill E. Atlas of 3D Echocardiography. Pennsylvania Elsevier 2013 ISBN: 9781437726992.
6. Gill EA. Lipidology, an Issue of Cardiology Clinic. Pennsylvania: Elsevier, May 2015.
7. Gill EA Lipidology, an Issue of Endocrine Clinic Pennsylvania: Elsevier, June 2015 (note 7 is a re-published version of 6).
8. Gill EA, Sugeng L. Atlas of 3D Echocardiography. 2nd Edition. Pennsylvania Elsevier 2024 in press

**D. Letters to the Editor**

1. Gill EA Jr, Longstreth WT Jr, Becker KJ, Tirschwell DL. Transesophageal Echo: not for everyone? *Stroke* 2007; 38: e78.
2. Gill EA, Kim MS, Carroll JD. 3D TEE for evaluation of commissural opening before and during percutaneous mitral commissurotomy. *J Am Coll Cardiol Img* 2009; 2:1034-1035.

**Other Publications**

1. Gupta NK, Gill EA. Case Study: Change We Can Believe In? An East African Man with Type II Diabetes and Very Low HDL. Lipid Spin 2010;8:23-25.
2. Rosenblit PD, Gill EA, Thompson RG. Is it Time to Abandon the Cholesterol Content of Atherogenic Lipoproteins? Lipid Spin 2013; 11:5-10.
3. Biswas M, Chang S, Gill EA. Coronary artery calcium scoring: a brief update and look to the future. Lipid Spin 2018; 16:16-22

**E. Submitted Manuscripts**

1. Slaven SS, Burke J, Quaife RA, Jone Pei-Ni, Hammers, J, Salcedo EE, Carroll JD, Gill EA. Fusion of fluoroscopy and echocardiography during the MitraClip® procedure reduces radiation exposure and time to trans-septal puncture. (being reviewed by European Heart Journal, CV Imaging).
2. Biswas M, Chang S, Groves D, Gill EA Coronary Artery Calcium scoring: a brief update and look to the future. Submitted to European Journal of Preventive Cardiology

**F. Abstracts**

1. Carveth HJ, Topham MK, Gill EA, McIntyre TM, Prescott SM, Zimmerman GA. Fluid-phase activators inhibit neutrophil adhesion to cytokine-activated endothelium, *Clin Res* 1991; 39(2):218A.

2. Gill EA, Borrego C, Bray BE, Renlund DG, Gilbert EM. Left ventricular mass increases during vascular rejection. *J Heart and Lung Transplant* 1992; 11(1 Part 2):204.

3. Gill EA, Topham MK, Carveth HJ, Prescott SM, McIntyre TM, Zimmerman GA. Endotoxin-stimulated endothelial cells synthesize a neutrophil degranulating factor. *Clinical Research* 1993; 41(2): 148A.

4. Gill EA, Hubbard M, Noyes M, Westin CA. A new method for reduction of anterior shoulder dislocation. Presented by Dr. Westin at the American Orthopedic Society for Sports Medicine, February 1993, Maui, Hawaii.

5. Trujillo NP, Gill EA, Shandas R, Knudson OA, Valdes-Cruz LM. Flow dependence of the Doppler continuity equation for calculation of effective flow areas: In-vitro pulsatile flow studies using rigid orifices. *Circulation* 1995; 92(8):I-465.

6. Trujillo NP, Kwon J, Kringlen M, Gill EA, Shandas R, Valdez-Cruz LM. Comparison of effective orifice area calculations using the continuity equation in steady and pulsatile flow. *J Am Coll Card* 1996; 27:233A.

7. Lowes BD, Gill EA, Rodriguez-Lorraine J, Abraham WT, Bristow MR, Gilbert EM. Carvedilol is associated with a reversal of remodeling in chronic heart failure. *Circulation* 1996; 94:I-407.

8. Shandas R, Trujillo NP, Kwon J, Gill EA, Valdes-Cruz L. A new method to measure actual vena contracta areas for regurgitant and stenotic valves. *Circulation* 1996; 94: I-442.

9. Gill EA, Trujillo NP, Shandas R, DeGroff CG, Kwon J, Vades-Cruz L. Comparison of effective orifice areas derived using the Doppler continuity equation to directly visualized vena contracta areas: in vitro studies using laser induced fluorescence imaging. *J Am Coll Cardiol* 1997; 29:65A.

10. Gill EA, Shandas R, Trujillo NP, Kwon J, DeGroff CG, Valdes-Cruz L. Is the Vena Contracta Area for Stenotic and Regurgitant Orifices Dependent on Hemodynamic Variables? An In Vitro Study using Laser Induced Fluorescence Imaging. *J Am Coll Cardiol* 1997; 29:328A.

11. Gill EA, Gilbert EM, Lowes BD, Abraham WT, Bristow MR, Reiter MJ. Carvedilol reduces QT dispersion in patients with congestive heart failure. *Circulation* 1997; 96:I-577.

12. \*Shandas R, Kwon J, Degroff CG, Gill EA, Valdes-Cruz, L. Measurement of vena contracta areas for bileaflet mechanical valve prosthesis using laser flow visualization: comparison to the Doppler continuity equation. *Circulation* 1997; 96:I-471.

13. Gill EA, Weinberger HD, Quaife RA. Optimal Spectral Doppler of Aortic, Pulmonic, Hepatic Vein, and Tricuspid Regurgitation Flow Obtained by Multiplane TEE and Adjunctive Intravenous Contrast. *European Journal of* *Echocardiography*, December 1998.

14. Ecder T, Edelstein CL, Chapman AB, Johnson AM, Tison L, Gill EA, Brosnahan GM, Schrier RW. Reversal of left ventricular hypertrophy with angiotensin converting enzyme inhibition in hypertensive patients with autosomal dominant polycystic kidney disease. Congress for International Society for Nephrology, presented at Buenos Aires, May 1999.

15. \*Gill EA, Weil JV, Popylisen SL, Pickett CK, Reusch JE, Wolfel EE, Lindenfeld JoAnn, Hiatt WR, Quaife RA, Regensteiner JG, Administration of L-arginine or Antioxidant Vitamins Increases Endothelial Dilator Function in Women with Type 2 Diabetes Mellitus (DM) *Circulation* 1999; 1000:I-757.

16. Shandas R, Gill EA, Hertzberg J, DeGroff CG, Valdes-Cruz L. Quantitation and visualization of ventricular filling vortices using high frame rate echocardiography. In vitro and clinical studies. *Circulation* 1999; 100:I-364.

17. Roldan CA, Gill EA, Conklin HM, Shively BK. Is echocardiography necessary in anorexigen-exposed obese patients without a murmur? *J Am Coll Cardiol* 2000; 35:539A.

1. Gill E, Bhola R, Mitchel M. Prediction of Mitral Valve Morphology and Possibility of Repair Based on Evaluation by Three-Dimensional Echocardiography. *European Journal of Echocardiography* 2000; 1:S32.
2. Cooke JE, Gill EA. Destruction Characteristics Analyzed by Spatial Positioning During Harmonic Power Doppler Imaging of Optison and Definity Explain Some of Limitations of Contrast. Myocardial Perfusion Imaging: An In Vitro Study. *J Am Soc Echocardiography* 2003; 16(5):511
3. Coates E, Gillespie S, Sangha S, Askay D, Gill EA. Ultrasound of the internal jugular vein reliably estimates central venous pressure. *J Am Soc Echocardiography* 2006; 19(5):604.
4. Mak GS, Gill EA. Comparison of left ventricular end-diastolic and end-systolic dimensions in patients with diastolic dysfunction and preserved systolic function to those with normal diastolic and systolic function. *J Am Soc Echocardiography* 2006; 19(5):610.
5. Van Hee V, Dubowsky S, Sheppar L, Szpiro A, Gill EA et al. Genetic Polymorphisms, Proximity to Traffic, and Left Ventricular Mass: The Multi-Ethnic Study of Atherosclerosis and Air Pollution. *Epidemiology* 2008; 19:S133-S134.
6. Kerwin W, Gill E, Cooke J, Hertzberg J, Chluda H, and Shandas R. Vorticity imaging of diastolic cardiac flow by phase-contrast MRI. In IEEE International Symposium on Biomedical Imaging, pages 300-303, 2004.
7. Kerwin W., Cooke J, and Gill E. Generalized CINE phase contrast MRI: High-pass/low-pass reconstruction. Proceedings of the Twelfth Scientific Session: Meeting of the International Society for Magnetic Resonance in Medicine, Kyoto, 2004.
8. Gill E and Kerwin W. Vorticity imaging of diastolic dysfunction by phase contrast MRI. Proceedings of the Twelfth Scientific Meeting of the International Society for Magnetic Resonance in Medicine, Kyoto, 2004.
9. Norman T, Kerwin W, Gill E. Phase contrast imaging of vortex rings during diastolic filling of the left ventricle. Proceedings of the 15th Scientific Meeting of the International Society for Magnetic Resonance in Medicine, Berlin, 2007.
10. Kerwin W, Owens DS, Hertzberg J, Shandas R, Gill E. Vortex Ring formation in Diastolic Dysfunction: Phase Contrast MRI of Left Ventricular Filling. Proceedings of the 16th Scientific Meeting of the International Society for Magnetic Resonance in Medicine, Toronto, 2008.
11. \*Gill EA, Chen MA, Paramsothy P, Cawley PJ, Kim F, Buckler JM. Real-time 3D transesophageal echo enhances the diagnostic capabilities of patent foramen ovale in patients’ with cerebral vascular accidents. *Circulation* 2008; 118:S1004.
12. Bahrainy S, Pascariu CD, Gill EA. Diastolic dysfunction: what to do with patients that have conflicting parameters*. J Am Soc Echocardiography* 2009; 22:582.
13. Steinberg Z, Don C, Gill EA, Goldberg. Intracardiac Echocardiography to Guide Percutaneous Closure of Ascending Aortic Pseudoaneurysm. *J Am Soc Echocardiography* 2012; ASE abstracts.
14. Gill EA, Becker K, Liang Y, Morcos, P Rates of Major Source of Cardiac Embolism by Transesophageal Echocardiogram in Patients With Cerebrovascular Attack or Transient Ischemic Attack. *J Am Soc Echocardiography* 2012; ASE abstracts.
15. Gill EA, Chen MA, Thirumalai A, Fish B, Paramsothy P. Omega-3 Fatty Acids Improve Dyslipidemia But Not Inflammatory Markers in Metabolic Syndrome 2012; NLA abstract.
16. Welch M, Schessler T, Gill EA. Adverse Events with Perflutren Lipid Microsphere Intravenous Contrast in Subjects with and without Patent Foramen Ovale 2013; ACC abstract.
17. Burke JM, Salcedo EE, Roldan Domnez EN, Quaife R, Gill E, Seres T, Messenger J, Carroll JD. Comparison of the effects of balloon expandable and self-expandable transcatheter aortic valve replacement on the dimensions of the mitral valve annula and mitral regurgitation severity. ACC 2017 Abstracts
18. Burke JM, Gill EA, Quaife RA, Carroll JD, and Salcedo EEUse of fluoroscopy-echocardiography fusion (EchoNav®) guidance during the MitraClip® procedure reduces the time to septal puncture, subsequently reducing the time to first clip deployment and total radiation exposure ASE 2017 Abstracts
19. Slaven S, Burke JM, Hammers J, Quaife RA, Jone Pei-Ni, Salcedo EE, Carroll JD, Gill EA: Fusion of Fluoroscopy and Echocardiography During the MitraClip Procedure Reduces Time to Transseptal Puncture and Radiation Exposure. Circulation 2020; 142: A14656
20. Slaven S, Gill EA The Role of Echocardiography in the Early Diagnosis and Treatment of COVID Myocarditis. J Am Soc Echocardiogr
21. Quaife RA, Gill EA, Carroll JC, Chen JE, Haak AA. Understanding Orientation of Transseptal Puncture in Advanced Image Guidance Using Echo-Fluoro Fusion J Am Soc Echocardiogr

**18. other**

A) Scientific Presentations at National, International, and Regional Meetings

1992 International Society for Heart and Lung Transplantation, San Diego, CA “Vascular rejection in Heart Transplant Patients” (04/1992).

1992 Utah Chapter, American College of Physicians, Salt Lake City, Utah. “Lipopolysaccharide Induced Endothelial Cells Secrete a Novel Inflammatory Mediator” (09/1992).

1993 American Federation for Clinical Research, Washington, DC “Endotoxin-stimulated endothelial cells synthesize a neutrophil de granulating factor” (05/1993).

1995 American Heart Association, Anaheim, CA “Flow dependence of the Doppler continuity equation for calculation of effective flow-areas: In-vitro pulsatile flow studies using rigid orifices. (11/1995).

1996 American College of Cardiology, Orlando, FL “Carvedilol is associated with a reversal of remodeling in chronic heart failure” (03/1996).

1997 American College of Cardiology, Anaheim, CA. “Comparison of effective orifice areas derived using the Doppler continuity equation to directly visualize vena contracta areas: in vitro studies using laser induced fluorescence imaging. J American College of Cardiology 1997; 29; 65A (03/1997).

1997 American Heart Association, Orlando FL “Carvedilol reduces QT dispersion in patients with congestive heart failure” (11/1997).

1998 European Society of Echocardiography, Trieste, Italy “Optimal Spectral Doppler of Aortic, Pulmonic, Hepatic Vein, and Tricuspid Regurgitation Flow Obtained by Multiplane TEE and Adjunctive Intravenous Contrast” (12/1998).

1999 American Heart Association, Atlanta, GA “Administration of L-arginine or Antioxidant Vitamins Increases Endothelial Dilator Function in Women with type 2 Diabetes Mellitus (DM). (11/1999).

2000 European Society of Echocardiography, Lisbon, Portugal “Prediction of Mitral Valve Morphology and Possibility of Repair Based on Evaluation by Three-Dimensional Echocardiography” (12/2000).

2003 American Society of Echocardiography, Las Vegas, NV “Destruction Characteristics Analyzed by Spatial Positioning During Harmonic Power Doppler Imaging of Optison and Definity Explain Some Limitations of Contrast Myocardial Perfusion Imaging: An In Vitro Study (06/2003).

2004 American Society of Echocardiography, San Diego, CA “Live 3D echo and biplane evaluation of mitral stenosis for prediction of mitral valvuloplasty success” (06/2004).

2006 American Society of Echocardiography, Baltimore, MD “Ultrasound of the internal jugular vein reliably estimates central venous pressure” (06/2006).

2006 American Society of Echocardiography, Baltimore, MD “Comparison of left ventricular end-diastolic and end systolic dimensions in patients with diastolic dysfunction and preserved systolic function to those with normal diastolic and systolic function” (06/2006).

2008 American Heart Association, New Orleans, LA Real-time 3D transesophageal echo enhances the diagnostic capabilities of patent foramen ovale in patients with cerebral vascular accidents (11/2008).

2009 American Society of Echocardiography, Washington, D.C. “Diastolic dysfunction: what to do with patients that have conflicting parameters?” (06/2009).

2013 29th Annual International Conference on Echocardiography and Allied Techniques (MRI, CT Scan, Nuclear): Case Studies and Recent Advances-San Francisco, CA— Closure of peri-prosthetic mitral regurgitation using 3D TEE guidance: What have we learned? (03/2013).

2013 American College of Cardiology, San Francisco, CA– Adverse Events with Perflutren Lipid Microsphere Intravenous Contrast in Subjects with and without Patent Foramen Ovale (03/2013).

2014 American Society of Echocardiography, Portland, OR – How to Integrate 3D Echocardiography into Your Echocardiography Lab Protocol, Chair of Session (06/2014).

2015 American Society of Echocardiography Scientific Sessions, Boston MA

MOC presentation on Valves

“Case Presentations: A Boston Tryst”

2016 American Society of Echocardiography

“Echocardiography in Clinical Trials”

“Diastolic function analysis : When the Numbers Don’t Match

2017 American Society of Echocardiography, Scientific Sessions, Baltimore Maryland

“Percutaneous Repair of Mitral Regurgitation: What are the Limits?”

2018 American Society of Echocardiography

“Severe Mitral Stenosis and MAC: Transcatheter Valve-in-Native Valve or Surgical Replacement”

2019 American Society of Echocardiography, Portland, OR

“Preparing and Guiding TAVR: Role of CT and Fusion Imaging”

“Low Flow Low Gradient Aortic Valve Stenosis - TAVR, SAVR Or No Intervention?”

2020 American Society of Echocardiography, Denver, CO (Virtual)

“Valve in MAC, Valve in Native Valve, Valve in Ring or Percutaneous New Mitral Valve” (Simulated Heart Valve Team)

“3D ICE for TV Clipping” (Simulated Heart Valve Team)

“Multimodality Imaging of the Mitral Valve” (Updates on Mitral Regurgitation)

2021 American Society of Echocardiography, Denver, CO (Virtual)

B) Chair or Co-Chair of National Sessions

2007 American Society of Echocardiography, Seattle WA (06/2007).

1. Adult Congenital Heart Disease—Live Scanning

2. 3D/4D Real-time Echocardiography—Live Scanning

3. 3D Cropping in Valvular Heart Disease

2009 American Society of Echocardiography Scientific Sessions, Washington, D.C. (06/2009).

2010 American Society of Echocardiography Scientific Sessions, San Diego, CA (06/2010).

2011 Pacific Lipid Association, Austin, Texas—*Imaging for early detection of atherosclerosis* (moderator) (03/2011).

2011 American College of Cardiology, New Orleans, LA—*Meet the Experts Session on Endocarditis* (04/2011).

2011 American Society of Echocardiography—*Difficult Stress Echo Studies: Contrast and Beyond* (06/2011).

2012 American Society of Echocardiography— What About Stress Echocardiography in the Setting of ACOs (06/2012).

2016 American Society of Echocardiography, Seattle, WA.

1. Echocardiography in Clinical Trials as Applied to Practice -- “Diastolic Function Analysis: When Numbers do not Match”
2. “Is This Really a Stat Echo?” (6/2016)

2017 American Society of Echocardiography, Baltimore, MD.

a. Chair of Session on Mitral Valve Interventions (06/05/2017)

b. Panel Member of Expert Panel—“*Complex Cases: Consultation with the Experts*” (06/06/2017)

2021 Co-Chair Twitter Journal Club American Society of Echocardiography. “Etiology and Relevance of the Figure of 8 artifact in patients with left atrial appendage occlude devices” and Echocardiography” and “Color Doppler Splay: a clue to the presence of significant mitral regurgitation”

### C) Invited Lectures

2001 American Society of Echocardiography, “Case Presentations on Diseases of the Aorta and Left Ventricular Outflow Tract” (06/2001).

2002 Twenty-Fifth Anniversary of the Boise VA Medical Residency, *“ASD/PFO Closure Devices”* (01/2002).

2002 Health Effects Institute, “Effects of Particulate Matter on Triggering Cardiovascular Events with Specific Emphasis on Endothelial Dysfunction” (4/29/2002).

2004 Cardiovascular IT Users Meeting, “Impact of Cardiac CT and MRI on Cardiology Image Management Systems” (2/6/2004).

2005 Medical Winter Clinics, Sponsored by Idaho Chapter, American College of Physicians, Sun Valley, ID “*Evaluation of Diastolic Function: Is it Important for the Primary Care Physician?”* (2/20/2005.)

2005 Cardiovascular IT Users Meeting, “Impact of Live 3D Echo on Cardiology Image Management and Quantitation Systems” (4/18-22/2005).

2006 American Society of Echocardiography National Meeting, Baltimore, Maryland “*Pitfalls with Pericardial Disease”* (6/10/2006).

2006 State-of-the-Art Cardiac Imaging Conference, UW School of Medicine.

2007 American Society of Echocardiography, Seattle, WA “*Update on the Clinical Use of Three-Dimensional Echocardiography*” (6/10/2007).

2008 Grand Rounds Cedar Sinai, Los Angeles, CA “*Three Dimensional Transesophageal Echo: Uses and Pitfalls*” (2/28/2008).

2008 National Lipid Association, Seattle, Washington “How to Establish Carotid Intimal Medial Thickness in Your Lab: A Practical Approach (5/29/2008).

2008 Transvalvular Therapeutics, Seattle, WA “A case of partial detachment of Mitral E-Valve evaluated by Real-time 3D Transesophageal Echo” (6/6/2008).

2008 American Society of Echocardiography (Toronto, Ontario) (6/9/2008).

1. Mitral Valve Replacement: What is this Prosthesis?
2. Contrast Echocardiography: LVH or no LVH (Noncompaction vs. Trabeculation)

2009 Research Conference, Oregon Health Sciences Center “Utility of 3D Transesophageal Echo for the Evaluation of Mitral Valve Disease and the Fossa Ovalis” (1/20/2009).

2009 Pacific Lipid Association, Salt Lake City, Utah “*Take Home Messages Regarding Carotid IMT”* (2/21/2009).

2009 American Society of Echocardiography, Washington, DC (6/7/2009).

1. How to Perform Peripheral Arterial Ultrasound
2. 3D Echo Will Change Our Use of Percutaneous Valves

2010 Pacific Lipid Association, San Francisco, CA “Carotid IMT and Coronary CT Imaging as Applied to Early Detection of Coronary Atherosclerosis” (2/19/2010).

2010 American Society of Echocardiography Local Echo Society Challenge—Washington, DC. Moderator (6/15/2010).

2010 Rocky Mountain Valve Symposium (International Heart Institute of Montana, Missoula, MT) (7/22/2010).

2011 Grand Rounds, UW Cardiology, Seattle, WA “How Real-Time 3D TEE is Changing and Expanding Percutaneous Cardiovascular Interventions” (1/7/2011).

2011 Pacific Lipid Association, Austin, TX “Moderator for Cardiac Imaging Studies for the Evaluation of and Early Detection of Atherosclerosis” (3/10/2011).

2011 American College of Cardiology, New Orleans, LA Meet the Experts Panel entitled “*Endocarditis* (4/5/2011).

2011 Swedish Hospital Lunch and Learn, Seattle, WA—“*Post-Operative Treatment of CABG Patients*” (4/13/2011).

2011 American Society of Echocardiography Annual Scientific Sessions, Montreal, Quebec “*Exercise/Pharm Stress Echo: Contrast and Beyond”* in session entitled *“The Difficult Case, what Do You Do with Poor Quality Studies*?” (6/11/2011).

2011 Rocky Mountain Valve Symposium (International Heart Institute of Montana, Missoula, MT), “*Mitral Valve Prolapse: Standard 3D Echocardiography Exam and Analysis*” (7/22/2011)

2011 Cardiology Board Review Course, Chicago Illinois, “*Review of Valvular Heart Disease”* (9/18/2011)

2011 Cardiology Grand Rounds, Creighton University, Omaha, Nebraska, *“Update on Echocardiography Contrast Use”* (10/3/2011)

2012 American Society of Echocardiography Annual Scientific Sessions, Washington DC, “*What About Stress Echocardiography in the Setting of ACOs”*—also Chair of this stress echo session (6/29/2012)

2012 Rocky Mountain Valve Symposium (International Heart Institute of Montana, Missoula, Montana) (7/22/2012)

1. “*Ischemic MR evaluation by 2D and 3D echocardiography*”

2. “*Scientific Study of Mitral Valve Function and Repair Using 3D Echocardiography*”

2012 Cardiology IT Users Group, Scottsdale, AZ “*Use of Offline Analysis Packages Q lab and Tom Tec for Quantification of Mitral Valve Pathology*” (9/7/2012).

2012 22nd Annual International Conference on Echocardiography and Allied Techniques (MRI, Echo CT Scan, Nuclear) Los Angeles, CA: Case Studies and Recent Advances, “*3D Echocardiography in a Patient with Intracardiac Mass”* (11/3/2012)

2013 Scientific Sessions, American Society of Echocardiography, Minneapolis, Minnesota (6/30/2013) *“Reduction of Repeat Echocardiograms and Inappropriate Echocardiograms.”*

2013 Scientific Sessions, American Society of Echocardiography, Minneapolis, Minnesota (7/2/2013) *“Mapping the Mitral Valve by 2D and 3D Echo a Meet the Experts Session”.*

2013 Cardiology IT Summit—San Francisco, CA “Use of the Configuration Tool of Xcelera for Quantitative Echocardiography—“*How to Integrate TomTec Software Analysis for Mitral Valve Analysis”* (10/23/2013).

2013 Cardiology Conference, University of Colorado Health Sciences Center, Denver(Aurora), CO—*“Evaluation of Functional Mitral Regurgitation by 3D TEE in the Era of MitraClip”* (10/2/2013)

2013 Cardiology IT Summit—“Use of the Configuration Tool of Xcelera for Quantitative Echocardiography—How to Integrate TomTec Software Analysis for Mitral Valve Analysis” (10/23/2013).

2014 Cardiology Grand Rounds University of Washington, Seattle, WA “*Functional Mitral Regurgitation: Surgical and Non-Surgical Approach to Treatment*” (01/2014).

2014 American Society of Echocardiography, Portland, Oregon *“How to Integrate 3D Echocardiography into Your Echocardiography Lab Protocol”* (Chair of Session) (6/2014)

2014 American Society of Echocardiography, Portland, Oregon Prosthetic Valve Function and Dysfunction Presentation “*3-D Echo in Prosthetic Valve Evaluation-Luxury or Necessity?”* (6/2014)

2015 American Society of Echocardiography, Boston, MA.

1. “Update on MOC—ASE MOC cases”
2. “A Boston Tryst---Mysterious Echocardiography Cases” (06/2015)

2015 Cardiology IT Users Symposium, Orlando, Fl. “*Data Mining from Different Versions of Cardiology PACs systems*” (10/2015).

2016 23rd Annual International Conference on Echocardiography and Allied Techniques (MRI, Echo CT Scan, Nuclear) Chicago, Illinois “*3D Echocardiography Imaging of a Sinus Venosus ASD*”.

2016 Cardiology Grand Rounds University of Washington PCSK9 Inhibitors:

*“Impact on Current and future Guidelines”.*

2016 American Society of Echocardiography, Seattle, WA. “*Diastolic Function Assessment: When Numbers Do Not Matc*h” (6/2016).

2017 American Society of Echocardiography, Baltimore, MD 6/3 “*Percutaneous*

*Mitral Valve Repair: What Are the Limits*?” (06/03/2017).

American Society of Echocardiography, Baltimore, MD 6/6

*“Complex Cases in Structural Heart Disease: Consultation with the Experts”*

American Society of Echocardiography, Baltimore, MD 6/6

*“Complex Cases in Structural Heart Disease: Consultation with the Experts: Panel Discussion”*

American Society of Echocardiography, Baltimore, MD 6/5

*“State of the Art: Mitral Valve Intervention” Chair*

2017 National Lipid Association Scientific Sessions, Philadelphia 05/20

“Evolocumab Reduces Cardiovascular Events in Patients with Baseline LDL-C <70 mg/dL and in Patients Already on Maximum Potency Statin” Marc C. Sabatine, M.D, MPH presenting

Edward Gill, Chair of Session, also includes following other two presentations:

Apolipoprotein C-III inhibition with volanesorsen in patients with hypertriglyceridemia (COMPASS): A randomized, double-blind,  placebo-controlled trial

Bempedoic Acid Reduces LDL-C and is Well-Tolerated in Patients Receiving Atorvastatin 80 mg Background Therapy. Mary McGowan, M.D. presenting

2020 June 2020 Fusion Imaging in Structural Heart Interventions. Grand Rounds Morristown Medical

Center

May 2020 Fusion Imaging in Structural Heart Interventions. Grand Rounds University of Colorado

April 2020 Point of Care Ultrasound for COVID-19 Patients Grand Rounds University of Colorado

2021 June American Society of Echocardiography Scientific Sessions Boston, MA What went wrong with that Watchman Device

2022 June American Society of Echocardiography Scientific Sessions, Seattle, WA Interventional Echo basics for Beginners  – tips today for use tomorrow

2023 June American Society of Echocardiography Scientific Sessions, Seattle, WA Interventional Echo Heart Team: TAVR

2023 June American Society of Echocardiography Scientific Sessions, Seattle, WA Interventional Echo Tips for closing paravalvular regurgitation

(Also Chair of Session)

2024 June American Society of Echocardiography Scientific Sessions, Portland Oregon Panel on Prosthetic Valve Guidelines