CURRICULUM VITAE

Lissa Sugeng, MD, MPH

Version date:	January 28, 2024
Proposed for:	Appointment for Associate Professor, Department of Internal Medicine,
	Section of Cardiovascular Medicine, Clinician Educator Track, Yale School
	of Medicine
Term:	Primary Appointment beginning 1/25/2024
School:	Yale School of Medicine

Education:

MD, Udayana University 1991 MPH, Boston University 1993

Career/Academic Appointments:

1993 - 1995	Research Fellow, Cardiology, Tufts University Medical Center, Boston, MA
1995 - 1996	Intern, Internal Medicine, Massachusetts Medical Center, Boston, MA
1996 - 1998	Resident, Internal Medicine, Massachusetts Medical Center, Boston, MA
1998 - 2001	Cardiology Fellow, Cardiovascular Disease, University of Chicago Medical Center, Chicago, IL
2001 - 2002	Echocardiography Fellow, Echocardiography, University of Chicago Medical Center, Chicago, IL
2002 - 2010	Assistant Professor of Medicine, Cardiology Department, University of Chicago, Chicago, IL
2010 - 2021	Associate Professor on Term, Cardiology (Medicine), Yale School of Medicine, New Haven, CT
2021-2024	Associate Professor, Cardiology Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
2024-present	Cardiology Attending West Haven VA, Echocardiography Laboratory, West Haven, CT
2025-present	Director Echo Corelab, Yale Cardiovascular Research Group (YCRG), New Haven, CT

Administrative Positions:

10/2010 - 11/2021	Director Yale Echo Core Lab (YCRG), Cardiovascular Medicine, Yale University, New
10/2011 10/2020	Director Echocordiography Joh Cardiovaccular Medicine, Vale University, New
10/2011 - 10/2020	Haven, CT
1/2019 - 11/2021	Medical Director for Echolabs in the YNHHS, Cardiology Department, Yale New Haven
	Health System, New Haven, CT
12/2021 - 06/2024	Northwell Health System Director of Cardiovascular Imaging, Manhasset, NY
	(CT/MRI/ECHO/NUCLEAR)
12/2021- present	Consultant for Echo Corelab YCRG (Conform Multicenter Trial)
1/2025- present	Director Echo Corelab YCRG, New Haven, CT

Board Certification:

National Board of Echocardiography, Adult Comprehensive Echocardiography AB of Internal Medicine, Cardiovascular Disease, 11-2003, 11-2013, 2023 to present.

Professional Honors & Recognition:

International/National/Regional: none

University

2011	Yale University, Cardiology Teaching Award
2008	University of Chicago, 2008 Rory Childers Teaching Award

Grants/Clinical Trials History:

Current Grants	
Agency:	Abiomed
I.D.#:	20-001666
Title:	STEMI DTU
P.I.:	Sugeng, L
Role:	PI
Percent effort:	N/A
Direct costs per year:	\$526,580.00
Total costs for project	
period:	\$605,567.00
Project period:	7/15/2019 - 6/30/2024
Agency:	IHF GmBH
I.D.#:	19-005832
Title:	Reboot Paradox
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$175,605.00
Total costs for project	
period:	\$201,946.00
Project period:	6/7/2019 - 6/30/2023
Agency:	GORE
I.D.#:	19-005169
Title:	Relief GSO 17-03
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$72,761.00
Total costs for project	
period:	\$83,675.00
Project period:	4/18/2019 - 3/31/2022

Agency:	CorMatrix
I.D.#:	19-003541
Title:	Tricuspid Valve Replacement EFS
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$47,575.00
Total costs for project	
period:	\$54,711.00
Project period:	1/8/2019 - 12/31/2023
Agency:	GORE
I.D.#:	19-001803
Title:	Reduce PAS GSO 18-01
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$953,581.00
Total costs for project	
period:	\$1,096,618.00
Project period:	9/7/2018 - 8/31/2023
Agency:	Abbott
I.D.#:	18-005854
Title:	Amplatzer PIVSD
P.I.:	Lansky, Alexandra
Role:	Co Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$33,931.00
Total costs for project	
period:	\$29,505.00
Project period:	6/11/2018 - 5/23/2023
Agency:	Conformal
I.D.#:	18-005623
Title:	CLAAS Early Feasibility
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$165,950.00
Total costs for project	
period:	\$190,843.00
Project period:	5/29/2018 - 4/30/2023
Agency:	Abiomed
I.D.#:	18-003934

Title:	cVAD
P.I.:	Lansky, Alexandra
Role:	Co Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$71,358.00
Total costs for project	
period:	\$62,050.00
Project period:	1/30/2018 - 12/31/2023
Agency:	GORE
I.D.#:	18-002343
Title:	PV1 17-02
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$90,403.00
Total costs for project	
period:	\$103,964.00
Project period:	10/1/2017 - 9/30/2021
,	
Agency:	Cedars-Sinai Medical Center
I.D.#:	17-005970
Title:	Cedars Sinai Heart Institute Alpha PAH
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$124 115 00
Total costs for project	<i>y</i> <u>1</u> , <i>y<u>1</u>, <i>y</i><u>1</u>, <i>y<u>1</u>, <i>y<u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y<u>1</u>, <i>y</i><u>1</u>, <i>y<u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y<u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y<u>1</u>, <i>y</i><u>1</u>, <i>y<u>1</u>, <i>y</i><u>1</u>, <i>y</i><u>1</u>, <i>y<u>1</u>, <i>y</i><u>1,</u></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i>
neriod.	\$142 732 00
Project period:	6/1/2017 - 5/31/2022
	0,1,201, 0,01,2022
Agency:	Abbott
I.D.#:	17-004169
Title:	Trifecta GT
P.I.:	Lansky, Alexandra
Role:	Co Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$527,400.00
Total costs for project	
period:	\$606,510.00
Project period:	1/1/2017 - 12/31/2022
	· · ·
Agency:	Abiomed
I.D.#:	17-004377
Title:	Impella CP Echo
P.I.:	Lansky, Alexandra

Role: Percent effort: Direct costs per year:	Co Principal Investigator N/A \$28,761.00
noriod:	\$22.075.00
Project period:	1/1/2017 - 12/21/2022
roject period.	1/1/201/ 12/01/2022
Agency:	GORE
I.D.#:	17-001598
Title:	ASD 15-04
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$747,409.00
Total costs for project	
period:	\$859,520.00
Project period:	4/1/2016 - 3/31/2021
Agency:	Biocardia
I.D.#:	16-005042
Title:	CardiAMP
P.I.:	Lansky, Alexandra
Role:	Co Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$766,516.00
Total costs for project	
period:	\$881,493.00
Project period:	6/1/2015 - 5/30/2020

Current Clinical Trials

Agency:	Boston Scientific Corporation
I.D.#:	HIC# 2000025973
Title:	REPRISE IV: LOTUS Edge Valve System in Intermediate Surgical Risk Subjects (REPRISE IV)
P.I.:	John Forrest
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	8/14/2019
Agency:	National Heart, Lung, and Blood Institute (NHLBI)
I.D.#:	HIC# 2000020190REG
Title:	Biorepository of cardio-renal parameters collected during serial blood volume assessments
P.I.:	Jeffrey Testani

Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	9/25/2017
Agency:	German Society for Thoracic and Cardiovascular Surgery
I.D.#:	HIC# 2000020514
Title:	Evaluating the Benefit of Concurrent Tricuspid Valve Repair During Mitral Surgery
P.I.:	Arnar Geirsson
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	3/22/2017
Agency:	SentreHEART, Inc.
I.D.#:	HIC# 1606017873
Title:	aMAZE Study: LAA Ligation Adjunctive to PVI for Persistent or Longstanding
	Persistent Atrial Fibrillation (aMAZE)
P.I.:	James V. Freeman
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	8/18/2016
Agency:	Toshiba
I.D.#:	HIC# 1603017348
Title:	Evaluation for 3D TEE for Mitral Valve Imaging and Analysis
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	6/24/2016
Agency:	Medtronic, Inc
I.D.#:	HIC# 1604017538
Title:	The Medtronic TAVR 2.0 US Clinical Study
P.I.:	John Forrest
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	4/27/2016

Agency:	NO FUNDING	
I.D.#:	HIC# 1508016332MRR	
Title:	Impact of Transcatheter Aortic Valve Replacement (TAVR) on Left Ventricular	
	Systolic Function	
P.I.:	Bernardo Lombo	
Role:	Sub-Investigator	
Percent effort:	N/A	
Total costs for project		
period:	N/A	
Project period:	9/2/2015	
Agency:	Medtronic, Inc	
I.D.#:	HIC# 1406014153	
Title:	The Medtronic CoreValve™ Evolut R™ CE Mark Clinical Study	
P.I.:	John Forrest	
Role:	Sub-Investigator	
Percent effort:	N/A	
Total costs for project		
period:	N/A	
Project period:	7/16/2014	
Agency:	Abbott Vascular Devices	
I.D.#:	HIC# 1307012414	
Title:	COAPT Clinical Trial	
P.I.:	John Forrest	
Role:	Sub-Investigator	
Percent effort:	N/A	
Total costs for project		
period:	N/A	
Project period:	9/23/2013	
Agency:	Medtronic, Inc	
I.D.#:	HIC# 1305012024	
Title:	Safety and Efficacy Study of the Medtronic CoreValve® System in the Treatment of	
	Severe, Symptomatic Aortic Stenosis in Intermediate Risk Subjects Who Need Aortic	
	Valve Replacement (SURTAVI)	
P.I.:	John Forrest	
Role:	Sub-Investigator	
Percent effort:	N/A	
Total costs for project		
period:	N/A	
Project period:	7/9/2013	
Agency:	Medtronic, Inc	
I.D.#:	HIC# 1203009849	
Title:	Medtronic CoreValve Continued Access Study (Extreme and High Risk Patients)	

P.I.:	John Forrest
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	4/18/2012

Past Grants

Agency:	Ventrix
I.D.#:	14-005516
Title:	VentriGel
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$36,638.00
Total costs for project	
period:	\$42,134.00
Project period:	4/1/2014 - 3/31/2019
Agency:	GORE
I.D.#:	18-005849
Title:	HRT Data Analysis
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$193,200.00
Total costs for project	
period:	\$222,180.00
Project period:	6/11/2018 - 12/31/2018
Agency:	Abiomed
I.D.#:	17-002765
Title:	High Risk PCI
P.I.:	Lansky, Alexandra
Role:	Co Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$115,050.00
Total costs for project	
period:	\$100,043.00
Project period:	10/1/2016 - 8/31/2018
Agency:	GORE
I.D.#:	18-003398
Title:	MVRx Maveric
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator

Percent effort:	N/A
Direct costs per year:	\$37,892.00
Total costs for project	
period:	\$43,576.00
Project period:	12/1/2017 - 6/30/2018
Agency:	Abbott
I.D.#:	17-003748
Title:	Portico I
P.I.:	Lansky, Alexandra
Role:	Co Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$465,957.00
Total costs for project	
period:	\$405,180.00
Project period:	1/1/2017 - 2/27/2018
Agency:	Abbott
	17-00/160
Titlo:	Portico ALT
	Lansky Alexandra
Polo:	Co Principal Investigator
Noie.	
Percent enort.	
Direct costs per year:	\$24,769.00
Total costs for project	624 529 00
period:	\$21,538.00
Project period:	1/1/201/ - 2/2//2018
Agency:	Abbott
I.D.#:	14-001954
Title:	PORTICO EU
P.I.:	Lansky, Alexandra
Role:	Co-Investigator
Percent effort:	N/A
Direct costs per year:	\$230,775.00
Total costs for project	
period:	\$265,391.00
Project period:	1/1/2017 - 2/27/2018
Agency:	Caisson Interventional
I.D.#:	17-002722
Title [.]	Prelude
PI·	Lansky Alexandra
Role:	Co-Investigator
Dercent effort:	N/A
Direct costs por year	ייעי לםי 10 <i>1</i> חי
Direct costs per year.	JJZ,IZ4.00

Total costs for project	
period:	\$105,943.00
Project period:	4/1/2016 - 3/31/2017
Agency:	Admittance Technologies
I.D.#:	14-005959
Title:	Recharge
P.I.:	Lansky, Alexandra
Role:	Co Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$6,848.00
Total costs for project	
period:	\$7,875.00
Project period:	8/24/2014 - 9/30/2016
2	
Agency:	Cardiokinetix
I.D.#:	16-004482
Title:	Echo Screening Initiative
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$6,551.00
Total costs for project	
period:	\$7.533.00
Project period:	12/1/2015 - 3/31/2016
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Agency:	CorMatrix
I.D.#:	14-005414
Title:	Tricuspid ECM
P.I.:	Lansky. Alexandra
Role:	Co Principal Investigator
Percent effort:	N/A
Direct costs per year:	N/A
Total costs for project	
neriod:	\$45 821 00
Project period:	1/1/2014 - 12/31/2015
rioject period.	1/1/2011 12/01/2010
Agency:	CorMatrix
I.D.#:	14-005414
Title	Tricuspid FCM
PI·	Lansky Alexandra
Role [.]	Co-Principal Investigator
Percent effort:	
Direct costs per year	\$39.845.00
Total costs for project	ᡔᢖ᠋ᢧᡁᠧ᠇᠊ᠥᠧᠧ
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Project period:	1/1/2014 - 12/31/2015
Agency:	Phoenix Cardiac
I.D.#:	14-001826
Title:	BACE
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$4,348.00
Total costs for project	
period:	\$5,000.00
Project period:	10/1/2013 - 9/30/2015
	,_,_,
Agency:	CardioKinetix
I.D.#:	11-004285
Title:	PARACHUTE III
P.I.:	Lansky, Alexandra
Role:	Co-PI
Percent effort:	N/A
Direct costs per year:	\$284,083.00
Total costs for project	
period:	\$326,696.00
Project period:	2/25/2011 - 3/31/2015
Agency:	CardioKinetix
I.D.#:	13-002364
Title:	PARACHUTE IV
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$486,999.00
Total costs for project	
period:	\$560,049.00
Project period:	11/1/2012 - 3/31/2015
Agency:	CardioKinetix
I.D.#:	14-002951
Title:	PARACHUTE Commercial
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per vear:	\$16.905.00
Total costs for project	, -,
period:	\$19.440.00
Project period:	11/1/2013 - 3/31/2015

Agency:	CardioKinetix
I.D.#:	15-002202
Title:	PARACHUTE CHINA
P.I.:	Lansky, Alexandra
Role:	Co-Principal Investigator
Percent effort:	N/A
Direct costs per year:	\$66,095.00
Total costs for project	
period:	\$76,009.00
Project period:	10/1/2014 - 3/31/2015
Past Clinical Trials	
Agency:	NO FUNDING
1 D #·	HIC# 2000024674NHSR
Title:	Improving the meaningful appropriateness use of transesophageal
	echocardiography in the diagnosis of infective endocarditis using a team-based
	annroach
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project	
noriod:	N/A
Project period:	1/8/2010 1/8/2010
Project period.	1/8/2013 - 1/8/2013
Agency:	Yale University School of Medicine
I.D.#:	HIC# 1504015714MRR
Title:	Valve and cardiac chamber comparison between echocardiogram and multi-slide
	CT scan (MEDICAL RECORD REVIEW)
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	5/27/2015 - 5/29/2018
Δσεριζγ:	Astellas Pharma LIS Inc
	HIC# 0811004420
Titlo:	Detecting heart disease using first pass imaging with Gated SDECT perfusion
	Albert Sinusas
Polo:	
Noie. Percent effort:	
Total costs for project	
neriod	N/A
Project period	1/14/2009 - 9/2/2016
Agency:	Yale University School of Medicine
I.D.#:	HIC# 1406014191

Title:	Right Ventricular Function with Exercise Assessed by Echocardiography in Patients Following Repair of Atrial Septal Defects and/or Partial Anomalous Pulmonary Veneus Poturn and Healthy Controls
D I .	Constance Weismann
Polo:	Sub Investigator
Noie.	
Total costs for project	N/A
noriod:	NI/A
Project period:	N/A 8/1/2014 - 8/17/2016
Project period.	8/1/2014 - 8/1//2010
Agency:	St. Jude Medical
I.D.#:	HIC# 1404013729
Title:	Portico Re-Sheathable Transcatheter Aortic Valve System US IDE Trial (Portico)
P.I.:	John Forrest
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	5/21/2014 - 8/21/2015
Agency:	Siemens Corporate Research
I.D.#:	HIC# 1309012704
Title:	Evaluation for Volume TEE for Preoperative Surgical Planning
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	12/4/2013 - 1/21/2015
Pending Clinical Trials	
Agency:	EBR Systems. Inc.
I.D.#:	HIC# 2000025537
Title:	Stimulation Of the Left Ventricular Endocardium for Cardiac Resynchronization
	Therapy in Non-Responders and Previously Untreatable Patients (SOLVE CRT)
P.I.:	Joseph Akar
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	12/20/2019
Agency:	NO FUNDING
I.D.#:	HIC# 2000026507MRR
Title:	Concomitant acute ischemic stroke and heart failure with reduced ejection fraction:
~ .	Antithrombotic Practice Patterns and Outcomes
P.I.:	Kicha Sharma

Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	10/1/2019
Agency:	NO FUNDING
I.D.#:	HIC# 2000025684MRR
Title:	Right ventricular function as a predictor of outcomes in patients undergo cardiac surgery.
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	5/27/2019
Agency:	Philips Ultrasound, Inc.
I.D.#:	HIC# 2000023749
Title:	Ultrasound System Study Protocol
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	12/21/2018
Agency:	NO FUNDING
I.D.#:	HIC# 2000023960MRR
Title:	Institutional Level Variation in Cardiovascular Imaging Assessments of Heart Disease
P.I.:	Harlan Krumholz
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	9/23/2018
Agency:	NO FUNDING
I.D.#:	HIC# 2000023252
Title:	Evaluation of C Ultrasound System
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	6/28/2018
Agency:	National Institutes of Health (NIH)

I.D.#:	HIC# 1406014091
Title:	Integrated RF and B-mode Deformation Analysis for 4D Stress Echocardiography
P.I.:	Albert Sinusas
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Project period:	7/16/2014
Agency:	Edwards Life Sciences
I.D.#:	HIC# 2000025974
Title:	Evaluation of Transcatheter Aortic Valve Replacement Compared to SurveilLance
	for Patients With Asymptomatic Severe Aortic Stenosis (EARLY TAVR)
P.I.:	John Forrest
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A
Agency:	Cardiac Dimensions, Inc.
I.D.#:	HIC# 2000026019
Title:	Assessment of the Carillon® Mitral Contour System® in Treating Functional Mitral
	Regurgitation Associated With Heart Failure - The CARILLON Trial
P.I.:	Ryan Kaple
Role:	Sub-Investigator
Percent effort:	N/A
Total costs for project	
period:	N/A

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale:

International/National

- 1. "3D Echocardiography Principles and Practical Application: Assessment of LV Function", 13th ASEAN Cardiology Congress: Echocardiography Workshop, Jakarta, Jakarta, Indonesia. 2000
- 2. "3D Echocardiography", Brazilian Echo Society Meeting, Goiânia, GO, Brazil. 2003.
- 3. "Echocardiography: 3D Color", France Echo Society Meeting: International Meeting of Echocardiography 2003, Paris, Île-de-France, France, 2003.
- 4. "RT3DE: My Best Cases", ASE: 19th Annual ASE Scientific Session, San Diego, CA. 2004.
- 5. "RT3DE in Acute MI", ACC Scientific Sessions 2005, Orlando, FL., 2005.
- "Differing Perspectives 3D Echo" Advances in Echocardiography (St. Wolfgang, Austria- June 28-30, 2005), St. Wolfgang, Lower Austria, Austria, 2005.
- 7. "3D is Needed Today and It is Here to Stay! (Debate)" Advances in Echocardiography (St. Wolfgang, Austria- June 28-30, 2005), St. Wolfgang, Lower Austria, Austria, 2005.
- 8. "Case presentation (unusual cases)" Advances in Echocardiography (St. Wolfgang, Austria- June 28-30, 2005), St. Wolfgang, Lower Austria, Austria, 2005.
- 9. "Meet the Experts: 3D Echocardiography in a Clinical Laboratory" ACC Scientific Sessions 2006, Orlando, FL, 2006

- 10. "Ischemic MR: Newer Insights, ACC Scientific Sessions 2007, New Orleans, LA, ACC Scientific Sessions 2007, New Orleans, LA, 2007.
- 11. The Role of 3DE: Evaluation of LV size and function in the post MADIT Era", ACC Scientific Sessions 2007, New Orleans, LA, 2007.
- 12. "How to Use 3DE in Clinical Practice", AHA Scientific Sessions 2007, Orlando, FL., 2007.
- 13. "Echocardiography of the Right Ventricle", ACC 2008, Chicago, IL, 2008.
- 14. ACC Integrated Imaging 2008: Cardiac Resynchronization Therapy", ACC 2008, Chicago, IL, 2008.
- 15. "Symposium: Applications of New Echocardiography Techniques: Three-Dimensional Assessment of Volumes", ACC 2008, Chicago, IL, 2008.
- 16. "Meet the Experts: Role of Echocardiography in Management of Mitral Regurgitation", ACC 2008, Chicago, IL, 2008.
- 17. "3D Echo of the Mitral Valve (iScan lecture)", ASE: 20th Annual ASE Scientific Session, Baltimore, MD, 2008.
- 18. "iSEE My Heart (Mitral Valve Repair for Degenerative MR)", ASE: 20th Annual ASE Scientific Session, Baltimore, MD, 2008.
- 19. "Symposium 667: Advances in Non-Invasive Imaging-3D Echocardiography for Anatomy and Flow, ACC 2009, Orlando, FL, 2009.
- 20. "Right Ventricular Function", ACC 2009, Orlando, FL, 2009.
- 21. "Pre and Post MV Repair Leaflet Evaluation", ACC 2009, Orlando, FL, 2009.
- 22. "Plenary Session: 3D Echo in Valve Ds. 3D Echo in Valvular Regurgitation", ASE: 22nd Annual ASE Scientific Session, Washington, DC, 2009.
- 23. "Do You See What I See? -Rapid Fire from the OR", 22nd Annual ASE Scientific Session, Washington, DC, 2009.
- 24. "Symposia: Clinical Decision-Making in Valvular Disease; When and How 3D is Helpful?", 22nd Annual ASE Scientific Session, Washington, DC, 2009.
- 25. "Case Presentation for Mitral Valve Disease", ACC: Heart Valve Summit, Chicago, IL, 2009.
- 26. "Breakout session (Advanced Cardiac Imaging)", ACC: Heart Valve Summit, Chicago, IL, 2009.
- 27. "Case Presentation for Aortic Valve Disease", ACC: Heart Valve Summit, Chicago, IL, 2009.
- 28. "Quantitative Analysis of Left Ventricular Chamber Size and Function: Better for Diagnosis and Prognosis? What can 3D Echo Offer? Echo Singapore- Singapore, Singapore, Singapore, 2009.
- 29. The Singapore Cardiac Society Echo Lecture 3-D and 4-D Echo: Did the Child Ever Grow Up? Au Contraire!", Echo Singapore- Singapore, Singapore, Singapore, 2009.
- 30. "Echocardiographic Assessment for Right Ventricular Function, Indonesian Echo Society: INAECHO 2019, Jakarta, Jakarta, Indonesia, May 23, 2010.
- 31. "Case: IOE TEE for MV Surgery MR How to Repair", Indonesian Echo Society: INAECHO 2019, Jakarta, Jakarta, Indonesia, May 23, 2010.
- 32. "Evaluating the Mechanism of MR by Echocardiography", Indonesian Echo Society: INAECHO 2019, Jakarta, Jakarta, Indonesia, May 23, 2010.
- 33. "Step by step in 3D/4D TTE (Live Demo)", BANGKOK CHEST HOSPITAL: CDI, Phuket, Thailand, May 28, 2010.
- 34. "Step by step in 2D and 3D/4D TEE (Live Demo)", BANGKOK CHEST HOSPITAL: CDI, Phuket, Thailand, May 18, 2010.
- 35. "Echo 2D/3D TTE in valvular heart disease", CHEST HOSPITAL BANGKOK: CDI (May 28, 2010), Phuket, Thailand, 2010.
- 36. "Role of 2D/ 3D TEE in valvular heart disease", CHEST HOSPITAL BANGKOK: CDI (May 28, 2010), Phuket, Thailand, 2010.

- 37. "Roles of Echo in heart failure", CHEST HOSPITAL BANGKOK: CDI (May 28, 2010), Phuket, Thailand, 2010.
- 38. "The Role of 3D Echo in the Management of Valve Disease", Harapan Kita University of Indonesia9th Holistic Approach in Cardiovascular Diseases Symposium (Workshop Echocardiography) (June 30-July 1), Jakarta, Indonesia, 2010.
- 39. "Assessment of Ventricular Function and Anatomy", Harapan Kita University of Indonesia9th Holistic Approach in Cardiovascular Diseases Symposium (Workshop Echocardiography) (June 30-July 1), Jakarta, Indonesia, 2010.
- 40. Recent Advances in 3D: Current Issue and Clinical Application
- 41. Workshop MVQ", Harapan Kita University of Indonesia9th Holistic Approach in Cardiovascular Diseases Symposium (Workshop Echocardiography) (June 30-July 1), Jakarta, Indonesia, 2010.
- 42. "Imaging Technologies in Heart Valve Disease", Ramathibodi Echo Workshop (May 29-30, 2010), Bangkok, Bangkok, Thailand, 2010.
- 43. Role of Imaging Modality in Aortic Surgery", Ramathibodi Echo Workshop (May 29-30, 2010), Bangkok, Bangkok, Thailand, 2010.
- 44. Future Direction of Echocardiography: What's Next for Heart Surgery", Ramathibodi Echo Workshop (May 29-30, 2010), Bangkok, Bangkok, Thailand, 2010.
- 45. "Prosthetic Valve: Using the Guideline", ASE (22nd Annual ASE Scientific Session) June 11-14,2011, Montreal, QC, Canada, 2011.
- 46. "Session chair: Prosthetic Valve, ASE (22nd Annual ASE Scientific Session) June 11-14,2011, Montreal, QC, Canada, 2011.
- 47. "Session chair: Extreme Echo (Optimal Image Management)", ASE (22nd Annual ASE Scientific Session) June 11-14,2011, Montreal, QC, Canada, 2011.
- 48. "3D Applications for the LV and MV, ASE (23rd Annual ASE Scientific Session), Washington, DC, 2012.
- 49. "The Added Value of 3DE: An ASE/EAE Consensus (Joint EAE Session): 3D congenital heart disease, ASE (23rd Annual ASE Scientific Session), Washington, DC, 2012.
- 50. "3D ICE: Up Close and Three-Dimensional", ASE (23th Annual ASE Scientific Session), Washington, DC, 2012.
- 51. "Prosthetic Valve: Illustrative Cases (MV perivalvular regurgitation)", ASE (23rd Annual ASE Scientific Session), Washington, DC, 2012.
- 52. "3D Quantitation: When to Use", 24th Annual ASE Scientific Session, Minneapolis, MN, 2013
- 53. "Basics of 3D Acquisition", 24th Annual ASE Scientific Session, Minneapolis, MN, 2013
- 54. "Understanding the Mitral Valve: Not Just Noting the Presence, SDMS Annual Sessions 2013, Las Vegas, NV, 2013.
- 55. "Sonographer's Scope of Practice: Role in the TEE lab and Beyond", SDMS Annual Sessions 2013, Las Vegas, NV, 2013.
- 56. "How I assess Systolic function?", 3rd Kuala Lumpur Valve Summit, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2013.
- 57. "Role of 3D in the assessment of LV and RV function", 3rd Kuala Lumpur Valve Summit, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2013.
- 58. "Interesting Cases", 3rd Kuala Lumpur Valve Summit, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2013.
- 59. "3D Echo Anatomy of the Aortic Valve", 3rd Kuala Lumpur Valve Summit, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2013.
- 60. "Ventricular remodeling after MV intervention", 3rd Kuala Lumpur Valve Summit, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2013.

- 61. "Recommendation for Image Acquisition and Display", 4th InaEcho 2013: speaker and Co-Director, Jakarta, Indonesia, 2013.
- 62. "Echo Examination for TAVI procedure", 4th InaEcho 2013: speaker and Co-Director, Jakarta, Indonesia, 2013.
- 63. "Echo Reporting and Maintaining Quality", 4th InaEcho 2013: speaker and Co-Director, Jakarta, Indonesia, 2013.
- 64. Moderator: "Building a good echolab, 4th InaEcho 2013: speaker and Co-Director, Jakarta, Indonesia, 2013.
- 65. "How to 3D TTE", Ramathibodi International Echo Symposium and Workshop: From Guidelines to Practice, Bangkok, Thailand, 2013
- 66. "How 3D TEE works", Ramathibodi International Echo Symposium and Workshop: From Guidelines to Practice, Bangkok, Thailand, 2013
- 67. "2D and 3D assessment of MV complex", Ramathibodi International Echo Symposium and Workshop: From Guidelines to Practice, Bangkok, Thailand, 2013
- 68. "Role of Echo in Transcatheter Intervention", Ramathibodi International Echo Symposium and Workshop: From Guidelines to Practice, Bangkok, Thailand, 2013
- 69. "Understanding the Mitral Valve: Not Just Noting the Presence", SDMS Annual Sessions 2013 (October 11,2013), Las Vegas, NV, 2013.
- 70. "Sonographer's Scope of Practice: Role in the TEE lab and Beyond", SDMS Annual Sessions 2013 (October 11,2013), Las Vegas, NV, 2013.
- 71. "Right Ventricular Volumes and Ejection Fraction", EuroEcho Imaging 2013, İstanbul, İstanbul, Turkey, 2013.
- 72. "2D and 3D assessment of Systolic Function", ASE Echo Hawaii (January 2014), Kailua-Kona, HI, 2014.
- 73. "3DE in Valve Disease", ASE Echo Hawaii (January 2014), Kailua-Kona, HI, 2014.
- 74. "Incremental Value of 3DTEE", ASE Echo Hawaii (January 2014), Kailua-Kona, HI, 2014.
- 75. "Diastology Workshop 5.3D and Strain Workshop", ASE Echo Hawaii (January 2014), Kailua-Kona, HI, 2014.
- 76. "Incorporating 3D in Daily Clinical Practice: Ventricular Function", ASE 25th Annual ASE Scientific Session (June 21, 2014), Portland, OR, 20.14
- 77. "Operational Efficiency of Contrast Utilization", ASE 25th Annual ASE Scientific Session (June 21, 2014), Portland, OR, 20.14
- 78. "Three Dimensional Echo for Mitral Valve Morphology and Regurgitation", ASE 25th Annual ASE Scientific Session (June 21, 2014), Portland, OR, 20.14
- 79. "Echocardiographic evaluation of a patient with MR from a surgeon's perspective", AIIMS Valve Workshop, New Delhi, India, 2015.
- 80. "Live Transmission: Post Repair TEE: What is a successful repair? When should we go back on pump", AIIMS Valve Workshop, New Delhi, India, 2015.
- 81. "Anatomic and Echocardiographic Correlation", AIIMS Valve Workshop, New Delhi, India, 2015.
- 82. "True Volume Case Review", 26th Annual ASE Scientific Session 2015, Boston, MA, 2015.
- 83. "Echo Contrast: See the Difference, Experience the Impact", 26th Annual ASE Scientific Session 2015, Boston, MA, 2015.
- 84. "Moderator: Real-Time 3D Echo: Time to Change Our Perspective (Joint EACVI and ASE Symposium)",
 26th Annual ASE Scientific Session 2015, Boston, MA, 2015.
- 85. "Challenging Cases in Diastology and Pericardial Disease (Restriction)", 26th Annual ASE Scientific Session 2015, Boston, MA, 2015.
- 86. "True Volume Case Review ", 26th Annual ASE Scientific Session (June 12-16, 2015), Boston, MA, 2015.

- 87. "Echo Contrast: See the Difference, Experience the Impact", 26th Annual ASE Scientific Session (June 12-16, 2015), Boston, MA, 2015.
- 88. Moderator: "Real-Time 3D Echo: Time to Change Our Perspective (Joint EACVI and ASE Symposium)", 26th Annual ASE Scientific Session (June 12-16, 2015), Boston, MA, 2015.
- 89. "3DE-New Methodologic Innovations", Echo Today and Tomorrow, St. Wolfgang, Lower Austria, Austria, 2015.
- 90. "Fungal Endocarditis", Echo Today and Tomorrow, St. Wolfgang, Lower Austria, Austria, 2015.
- 91. "Artifacts", Echo Today and Tomorrow, St. Wolfgang, Lower Austria, Austria, 2015.
- 92. A New Paradigm in 4D Imaging", Echo Today and Tomorrow, St. Wolfgang, Lower Austria, Austria, 2015.
- 93. "Approaches for Assessing LV Function and their Pitfalls", 2015 ECHO ASE ASEAN (Inaugural), Bangkok, Bangkok, Thailand, 2015.
- 94. "3D and Strain Echo in Heart Failure", 2015 ECHO ASE ASEAN (Inaugural), Bangkok, Bangkok, Thailand, 2015.
- 95. "Assessment of ASDs and Closure Devices", 2015 ECHO ASE ASEAN (Inaugural), Bangkok, Bangkok, Thailand, 2015.
- 96. "3D and Strain Live Imaging", 2015 ECHO ASE ASEAN (Inaugural), Bangkok, Bangkok, Thailand, 2015.
- 97. "Pregnant, 2nd Trimester, CHF, MV Disease..Uh-Oh", ACC 2016, Chicago, IL, 2016.
- 98. "Pathology and Mechanism of MR: Primary, Function...Prognosis?", ACC 2016, Chicago, IL, 2016.
- 99. "Advanced Imaging: It Takes a Team: 3D What Does It Add?", 27th Annual ASE Scientific Session, Seattle, WA, 2016.
- 100. "3D Echo in Assessing MV Repairability", 27th Annual ASE Scientific Session, Seattle, WA, 2016.
- 101. "3D What Does It Add?", 27th Annual ASE Scientific Session, Seattle, WA, 2016.
- 102. "Dr. HB Calleja Professorial Key Note Address: 3 Dimensional Imaging", 22nd Philippine Society of Echocardiography, Manila, Philippines, 2016.
- 103. "Mitral Valve Assessment in 2016: What Do We Need for a Successful Clip?", C3 2016, Orlando, FL, 2016.
- 104. "Echocardiographic Assessment of Mitral Stenosis and Mitral Regurgitation-New Methods using 3D", ASEAN Federation of Cardiology Congress, Yangon, Myanmar, 2016.
- 105. "Preoperative evaluation for Mitral Regurgitation: To Cut or to Clip", ASEAN Federation of Cardiology Congress, Yangon, Myanmar, 2016.
- 106. "Complex TAVR", 28th Annual ASE Scientific Session, Baltimore, MD, 2017.
- 107. "Infective Endocarditis: The Weird and Wonderful", ASEAN Society Meeting (ASEAN Echo Brunei), Serasa, Brunei-Muara District, Brunei, 2017.
- 108. "Echocardiography tools "old and new" in the Evaluation of the Tricuspid Valve", ASEAN Society Meeting (ASEAN Echo Brunei), Serasa, Brunei-Muara District, Brunei, 2017.
- 109. "Role and Applications of 3D TEE in Everyday Practice", ASEAN Society Meeting (ASEAN Echo Brunei), Serasa, Brunei-Muara District, Brunei, 2017.
- 110. "Live Case in a Box in 3DE Special Session", ASEAN Society Meeting (ASEAN Echo Brunei), Serasa, Brunei-Muara District, Brunei, 2017.
- 111. "How To Do 3D Imaging of the Mitral Valve?" Philippine Heart Center, Manila, NCR, Philippines, 2018.
- 112. "Diagnostic Difficulties in Multivalvular Disease", 3rd Annual ASE-ASEAN Conference, Manila, NCR, Philippines, 2018.
- 113. "Prosthetic Valve Dysfunction", 3rd Annual ASE-ASEAN Conference, Manila, NCR, Philippines, 2018
- 114. "TTE-TEE Assessment of Aortic Disease", 3rd Annual ASE-ASEAN Conference, Manila, NCR, Philippines, 2018.

- 115. "Evaluating and Scoring the Rheumatic MV in 2D and 3D", 3rd Annual ASE-ASEAN Conference, Manila, NCR, Philippines, 2018.
- 116. "Impact of 3DE: Changing Perspective", 3rd Annual ASE-ASEAN Conference, Manila, NCR, Philippines, 2018.
- 117. "Imaging in PHTN and Cor Pulmonale", 3rd Annual ASE-ASEAN Conference, Manila, NCR, Philippines, 2018.
- 118. TAVR 2018: Imaging Before, During and After", 3rd Annual ASE-ASEAN Conference, Manila, NCR, Philippines, 2018.
- 119. "Echocardiography Evaluation of the Tricuspid Valve", Pre-Congress (9th INAECHO), West Jakarta, Indonesia, 2018.
- 120. "Application of 3D Echocardiography in Daily Practice", 27th Annual Scientific Meeting of the Indonesian Heart Association, West Jakarta, Indonesia, 2018.
- 121. "3D Assessment of LV and LA volumes", 29th Annual ASE Scientific Session, Nashville, TN, 2018.
- 122. "Innovation in 4D Mitral Valve Quantification" Science and Technology Theater, 29th Annual ASE Scientific Session, Nashville, TN, 2018.
- 123. "Impact of 3DE: Changing Perspective", 29th Annual ASE Scientific Session, Nashville, TN, 2018.
- 124. "Double Trouble", 29th Annual ASE Scientific Session, Nashville, TN, 2018.
- 125. "Acute Management of Valvular Heart Disease with Complications", Udayana University, Denpasar, Bali, Indonesia, 2018.
- 126. "Structural Complication of AMI: Early Diagnosis Focus on Echocardiography", Udayana University, Denpasar, Bali, Indonesia, 2018.
- 127. "3D Echo: The Present and The Future
- 128. "Mitral regurgitation", Institute Jantung Negara, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2018.
- 129. "Aortic Regurgitation", Institute Jantung Negara, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2018.
- 130. "The Best Cases From Around the World", Institute Jantung Negara, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2018.
- 131. "Evaluation of Prosthetic Valves VI: Who Should You Refer for TAVI?", Institute Jantung Negara, Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia, 2018.
- 132. "Cases 3D: Applications in Practice, Coups, Goofs, and Things I have learned in the past year: Part 1", ASE Echo Florida, Orlando, FL, 2019.
- 133. "Quantitation Errors in Clinical Echocardiography: My Pet Peeves", ASE Echo Florida, Orlando, FL, 2019.
- 134. "Are These Scallops Fresh? Interesting Mitral Valve Cases", ASE Echo Florida, Orlando, FL, 2019.
- 135. "What I've Learned from 3D Imaging of Heart Valve Disease", ASE Echo Florida, Orlando, FL, 2019.
- 136. "3D Workshop: Comprehensive, Acquisition, Cropping and Display", ASE Echo Florida, Orlando, FL, 2019.
- 137. "LAA Closure: Pre- and Post-Procedure Assessment: Device Related Thrombus: What Does It Look Like, When is It Significant, What Do I Do About It", ACC Scientific Sessions 2019, New Orleans, LA, 2019.
- 138. "Incorporating 3D Echocardiography Into Clinical Practice", 30th Annual ASE Scientific Session, Portland, OR, 2019.
- 139. "Overview of Siemens Features With AI", 30th Annual ASE Scientific Session, Portland, OR, 2019.
- 140. "COVID-19-the echo would never be the same" (Virtual), Philips Healthcare during ESC 2020, Amsterdam, NH, Netherlands.
- 141. "The 3rd Dimension: Its Incremental Benefit in Clinical Cardiology", Philippines Society of Echocardiography Conference, Manila, NCR, Philippines, 2020.

- 142. "Adapting Novel Technologies and Fields to Clinical Practice: Incorporating 3D Echocardiography into Clinical Practice", 31st Annual ASE Scientific Session (Virtual), 2020
- 143. "3D Cases- Optimizing Acquisitions and Where 3D Makes a Difference", ASE Florida Annual Meeting, Orlando, FL, 2021
- 144. "I can see clearly now -where contrast makes a difference", ASE Florida Annual Meeting, Orlando, FL, 2021
- 145. "Aortic Regurgitation: Why and How Much", ASE Echo Florida Annual Meeting, Orlando, FL, 2021
- 146. "Pericardial disease", ASE Echo Florida Annual Meeting, Orlando, FL, 2021
- 147. "Source of embolus", ASE Echo Florida Annual Meeting, Orlando, FL, 2021
- 148. "How to Session 3DE Mitral Valve" (On Demand), 32nd Annual SE Scientific Session, Seattle, WA, 2022.
- 149. "Show CASE Journal panelist and judge: Clinical Case Presentations", 32nd Annual ASE Scientific Session, Seattle, WA, 2022.
- 150. "Live Learning Lab 3DE Chamber Session (LV, RV, LA), 32nd Annual ASE Scientific Session, Seattle, WA, 2022.
- 151. "Update: TAVI Cases: Role of Echocardiography", Malaysia Quarterly Echocardiography (Virtual), 2022
- 152. "3D Cases: Optimizing acquisition and where 3D makes a difference", ASE Echo Florida Annual Meeting, Orlando, FL, 2021.
- 153. "Aortic Regurgitation: Getting the whole picture: Why and How Much?" ASE Echo Florida Annual Meeting, Orlando, FL, 2021
- 154. "Grading MR its complicated", ASE Echo Florida Annual Meeting, Orlando, FL, 2021
- 155. "How to do TEE", ASE Echo Florida Annual Meeting, Orlando, FL, 2021
- 156. "No longer forgotten: Tricuspid Valve", ASE Echo Florida Annual Meeting, Orlando, FL, 2021
- 157. "In my crystal Ball", ASE Echo Florida Annual Meeting, Orlando, FL, 2021
- 158. "How To Setup Stress Echocardiography", Stress Echo Program TomTec Academy (Virtual), 2022
- 159. "Deep Dive into the TV: Anatomy and Function The Next Frontier", Sociedad Mexicana de Echocardiografia e Imagen Cardiovascular (SOME-IC), México City, Mexico, 2022.
- 160. Al Symposium: Yesterday, Today and Tomorrow: Al Today Over a Health System, Industry Theater at 33nd Annual ASE Scientific Session 2023, National Harbor, MD, 2023.
- 161. Show CASE Journal panelist and judge: Case presentations. 32nd Annual ASE Scientific Session, National Harbor, MD, 2023.
- 162. "Evaluacion de la valvulopatia mitral reumatica", Cardiovascular Imaging, Technology, and Interventional Course (CITIC), México City, Mexico, 2023.
- 163. "Utilidad de la Ecocardiografia en intervencion structural", Cardiovascular Imaging, Technology, and Interventional Course (CITIC), México City, Mexico, 2023
- 164. "Periprocedural Echocardiography for Trans catheter edge to edge replacement (TEER) procedure", Asian Society of Cardiovascular Imaging (ASCI), Bali, Indonesia, 2023.
- 165. "Echocardiography preprocedural in LAA closure procedure", Asian Society of Cardiovascular Imaging (ASCI), Bali, Indonesia, 2023.
- 166. "I Could Not Have Done It Without 3DE: LAA Closure", ASE Echo Florida Annual Meeting, Orlando, FL. 2023.
- 167. "No Longer Playing Second Fiddle: How to assess the Right Heart!", ASE Echo Florida Annual Meeting, Orlando, FL. 2023.
- 168. "3D How To: Acquisition, Cropping, and Display", ASE Echo Florida Annual Meeting, Orlando, FL. 2023.
- 169. "Prosthetic Valves: Quite Not as Good", ASE Echo Florida Annual Meeting, Orlando, FL. 2023.
- 170. "No longer forgotten: The tricuspid and pulmonic valves", ASE Echo Florida Annual Meeting, Orlando, FL. 2023.

- 171. "Value of AI in Echocardiography from a System Director Perspective", ASE Echo Florida Annual Meeting, Orlando, FL. 2023.
- 172. "Real World Application of ASE Guidelines Mitral Valve Prosthesis: Evaluation of Prosthetic Valve Function with Cardiovascular Imaging: Mitral Valve Prosthesis", 34th ASE Scientific Session (Portland, OR)

Regional

- 1. "Grand Rounds: 3D Echocardiography", Sentara Norfolk General Hospital, Norfolk, VA, 2004.
- 2. "Grand Rounds: Clinical Applications of RT3DE: Show me the Data", Hoag Memorial Hospital Presbyterian and its Affiliates, Huntington Beach, CA, 2004.
- 3. "3D Assessment of Valvular Anatomy" Advances in Echo 25th Annual Symposium 2005, Huntington Beach, CA, 2005.
- 4. "3D Echocardiography: Current Status and Future Prospects Is it a Must Have Technology in Every EchoLab?", Advances in Echo 25th Annual Symposium 2005, Huntington Beach, CA, 2005.
- 5. "Left Ventricular and Right Ventricular Assessment", Advances in Echo 25th Annual Symposium 2005, Huntington Beach, CA, 2005.
- 6. "Echocardiography for the Practitioner Workshop: 3D Echocardiography", UC Irvine, Irvine, CA, 2006.
- "How to Incorporate 3DE in Daily Practice", Local ASE San Diego Echo Society Meeting, San Diego, CA, 2006.
- 8. "Workshop: Practical Echo Measurements: 3DE", Tufts University MC: Update and Review of Echocardiography, Boston, MA, 2006.
- 9. "Case Studies: of systolic Function", Tufts University MC: Update and Review of Echocardiography, Boston, MA, 2006.
- 10. "Practical application of RT3DE", Tufts University MC: Update and Review of Echocardiography, Boston, MA, 2006.
- 11. "3D cases-A New Way to Guide Intraoperative Management", Tufts University MC: Update and Review of Echocardiography, Boston, MA, 2006.
- 12. "Imaging Ventricular Dyssynchrony", San Francisco Electrophysiology Forum 2006, San Francisco, CA, 2006.
- 13. "Quantitation, Pathophysiology and Surgical Anatomy of MR: Real Time 3DE", Hoag Hospital: International Valve Symposium, Huntington Beach, CA, 2007.
- 14. "Quantitation, Pathophysiology and Surgical Anatomy of MS: 3DE", Hoag Hospital: International Valve Symposium, Huntington Beach, CA, 2007.
- 15. "Quantification of LV function: 2D vs. 3DE", Hoag Hospital: International Valve Symposium, Huntington Beach, CA, 2007.
- 16. "Grand Rounds: From Slices to Volumes", Albert Einstein Hospital, Philadelphia, PA, 2008.
- 17. "The Use of 3D Imaging In the Assessment of Valve Disease-Pre and Intraoperatively", Delaware Valley Echo Society Meeting, Philadelphia, PA, 2008
- 18. "3D Echocardiography: Concepts and Use in CRT", Philadelphia Echo Society: Charm City Echo-Philadelphia, Philadelphia, PA, 2008.
- 19. "Grand Rounds: 3D Echocardiography: Current Technology and Applications", Deborah Heart and Lung, Country Lake Estates, NJ, 2008.
- 20. "Grand Rounds: 3DE: Did the Child Ever Grow Up? Au Contraire", University of Chicago, Chicago, IL, 2010.
- 21. "Live 3D Demonstration (3D TEE)", Hoag Hospital: 29th Advanced Echo Conference 2010, Huntington Beach, CA, 2010.

- 22. "Role of 3D in Aortic Valve Disease", Hoag Hospital: 29th Advanced Echo Conference, Huntington Beach, CA. 2010.
- 23. "Evolution of 3D Echocardiography: Is 4D for Real?", Hoag Hospital: 29th Advanced Echo Conference, Huntington Beach, CA. 2010.
- 24. "3D Assessment of Left Ventricular Systolic Function: Overall Clinical applicability", Hoag Hospital: 29th Advanced Echo Conference, Huntington Beach, CA. 2010.
- 25. "Imaging Artifacts Using 3D and How to Avoid Them", Hoag Hospital: 29th Advanced Echo Conference, Huntington Beach, CA. 2010.
- 26. "Role of 3D in AV Disease", Hoag Hospital: 29th Advanced Echo Conference, Huntington Beach, CA. 2010.
- 27. "How Does 3D Improve Quantitation of MS", Hoag Hospital: 29th Advanced Echo Conference, Huntington Beach, CA. 2010.
- 28. "Mitral Valve Pathology: 3DE Datasets, Hands-on", 17th Charlestown Symposium: Multi-modality Imaging, Charleston, SC, 2011.
- 29. "3DE quantifying mitral valve function: hands-on", 17th Charlestown Symposium: Multi-modality Imaging, Charleston, SC, 2011.
- 30. "3DE LV Quantitation: Hands-on", 17th Charlestown Symposium: Multi-modality Imaging, Charleston, SC, 2011.
- 31. "3D Echo: Avatar in the Chest", Cardiovascular Symposium Program Oregon ACC Chapter, Portland, OR, 2011.
- 32. "Grand Rounds: 3D Echocardiography: Current Applications and Future Vision", Rhode Island Hospital (Brown University), Providence, RI, 2012.
- 33. "Grand Rounds:3D Echocardiography: Innovation in Practice", Beth Isreal Hospital (BIDMC), Boston, MA, 2013.
- 34. "Grand Rounds: 3D Echocardiography: Innovation in Practice", Hoag Hospital, Newport Beach, CA, 2013.
- 35. "3D and TTE: How to incorporate 3D TTE in a busy echo lab, Techniques, Knobology, varied approaches and diagnostic", Advanced Echo, Newport Beach, CA, 2013.
- 36. "Role of 3D in evaluation of the TV and the RV", Advanced Echo, Newport Beach, CA, 2013.
- 37. "Role of 3DE in quantitation of MR", Advanced Echo, Newport Beach, CA, 2013.
- 38. "Spectrum of MS: Case studies", Advanced Echo, Newport Beach, CA, 2013.
- 39. "Unknown challenging case studies using 2D/3D images", Advanced Echo, Newport Beach, CA, 2013.
- 40. "Non-Invasive Assessment of Mitral Regurgitation in Heart Failure", Tufts 8th Annual Heart Failure Conference, Waltham, MA, 2015.
- 41. "Real-time 3DE and 3D Flow Imaging: Techniques, Knobology and Applications", 33rd Advanced Echo Conference (Hoag Hospital), Huntington Beach, CA, 2017.
- 42. "Challenging Scenarios in Regurgitation", 33rd Advanced Echo Conference (Hoag Hospital), Huntington Beach, CA, 2017.
- 43. "Tricuspid cases", 33rd Advanced Echo Conference (Hoag Hospital), Huntington Beach, CA, 2017.
- 44. "Moderator for Prosthetic valves, Endocarditis and Unusual Valve Disorders", 33rd Advanced Echo Conference (Hoag Hospital), Huntington Beach, CA, 2017.
- 45. "Cases in Heart failure", 33rd Advanced Echo Conference (Hoag Hospital), Huntington Beach, CA, 2017.
- 46. "Echo in ICU scenarios", 33rd Advanced Echo Conference (Hoag Hospital), Huntington Beach, CA, 2017.

- 47. "Unwelcome Guests-Cases", 33rd Advanced Echo Conference (Hoag Hospital), Huntington Beach, CA, 2017.
- 48. "Real-time 3DE and 3D Flow Imaging: Techniques, Knobology and Applications, 33rd Advanced Echo Conference (Hoag Hospital), Huntington Beach, CA, 2017.
- 49. "Echocardiography to Assess RV Structure and Function Beyond 2-Dimensions", NHLBI "Right Heart Failure (RHF): What We Learned and How to Improve Our Diagnosis and Treatment of RHF in Patients with Pulmonary Vascular Diseases (PVD)" Workshop, Baltimore, MD, 2017.
- 50. 3D Echo State of the Art: Augmented Intelligence and More", 6th Annual Frontiers in Cardiovascular Disease, Morristown, NY, 2019.
- 51. "3D Echocardiography "The Full Integration (Virtual)", Einstein Medical center, Philadelphia, PA, 2020.
- 52. "Incorporating 3D Echocardiography: Trial, Tribulations and Solutions", Brown University, Providence, RI, 2020.
- 53. "Brigham and Women's CV Imaging Grand Rounds: 3D Echocardiography: Are we there yet?", (Virtual), 2022.
- 54. "UCSF CV Imaging Grand Rounds: 3D Echocardiography: Are we there yet?", UCSF, San Francisco, CA, 2022.
- 55. "Everyday Use and Benefit of 3DE and Strain", New England Echo Society, Portland, ME, 2022.
- 56. "3D Echocardiography: Are We There Yet?" UT Austin Grand Rounds, (Virtual),2023.
- 57. "CV Imaging at Northwell Year in Review", Northwell Grand Rounds, (Virtual), 2023.
- 58. "Embrace the Added Dimension: Live in 3D", Newark Beth Isreal Medical Center Grand Rounds, (Virtual), 2023.
- 59. "Mitral Valve Assessment: What Do We Need For a Successful Clip?" Echo Conference Staten Island University Hospital, Staten Island, NY, 2023.
- 60. "Three-Dimensional Echocardiography: What I've Learned, How I Use It, and Where Do We Go Next?" Einstein Healthcare Grand Rounds Stanek Lecture, (Virtual), 2023.
- 61. "Transthoracic 3D Echo: What Can We Extract Besides Chamber Size and Function", Jeffrey M. Carlton Heart & Vascular 37th Advanced Echo Conference, Huntington Beach, CA, 2023.
- 62. "Tricuspid Valve Finally Getting Recognized: How to Evaluate TV and Guide Treatment", Jeffrey M. Carlton Heart & Vascular 37th Advanced Echo Conference, Huntington Beach, CA, 2023.
- 63. "Cardiac Masses: Just Cases", Jeffrey M. Carlton Heart & Vascular 37th Advanced Echo Conference, Huntington Beach, CA, 2023.
- 64. "Cardio-Oncology Cases with Learning Points", Jeffrey M. Carlton Heart & Vascular 37th Advanced Echo Conference, Huntington Beach, CA, 2023.
- 65. "Cardiomyopathies with Increased Wall Thickness and Normal EF-Echo/CMR to Help", Jeffrey M. Carlton Heart & Vascular 37th Advanced Echo Conference, Huntington Beach, CA, 2023.
- 66. "Stat, Stat, Stat: Echo to Solve the Crisis", Jeffrey M. Carlton Heart & Vascular 37th Advanced Echo Conference, Huntington Beach, CA, 2023.

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale:

International/National

 "Evaluation of Aortic dissection, Aneurysm, Coarctation, and Atheroma by Volume and Surface-Rendered Three-Dimensional Echocardiographic Studies Using Omniplane Imaging Probe.", ACC Scientific Sessions, Orlando, FL, 1993.

- "Evaluation of Aortic dissection, Aneurysm, Coarctation, and Atheroma by Volume and Surface-Rendered Three-Dimensional Echocardiographic Studies Using Omniplane Imaging Probe." ACC Scientific Sessions 1993, Orlando, FL, 1993.
- "True Three-Dimensional Delineation of Aortic Tree and Aortic Diseases Using Multiplexed, Transmission Holography from Tomographic Echocardiographic Data: Experimental Studies", ASE Scientific Sessions 2004, San Francisco, CA, 1994.
- 4. "Continuous Echo-Angioscopic Three-dimensional Visualization of Dynamic Cardiac Anatomy Using a Novel Method of Processing (Flight Simulation Algorithms) in Three-Dimensional Echocardiography.", AHA Scientific Sessions, San Francisco, CA, 1994.
- "True Three-Dimensional Delineation of Aortic Tree and Aortic Diseases Using Multiplexed, Transmission Holography from Tomographic Echocardiographic Data: Experimental Studies", ASE Scientific Sessions 1994, Boston, MA, 1994.
- 6. "Three-Dimensional Echocardiographic Evaluation of Intracardiac Masses: Delineation of Site, Size and Mobility - Clinical and Experimental Studies", AHA 1994, San Francisco, CA, 1994.
- "Delineation of Aortic Coarctation, Dissection and Dilatation, Supravalvular Stenosis, and Atheromatosis in Patients by Volume-Rendered 3-D Echocardiography Using Multiplanar Mode of Data Acquisition in the Clinical Scenario", ASE Scientific Sessions 1995, Toronto, ON, Canada, 1995.
- 8. "Dynamic three-dimensional reconstruction of color flow Doppler Regurgitant jets", AHA Scientific Sessions 1999, Washington, DC, 1999.
- 9. "Volumetric mitral valve orifice area measurements using transthoracic rapid free-hand scanning", AHA Scientific Sessions 2000, Chicago, IL, 2000.
- 10. "Qualitative assessment of prosthetic mitral regurgitant lesions utilizing dynamic threedimensional color flow Doppler", ASE Scientific Sessions 2001, Seattle, WA, 2001.
- 11. "Mechanisms of balloon mitral valvuloplasty using transthoracic 3D free-hand scanning: Commissurotomy or valve deformation", AHA Scientific Sessions 2001, Boston, MA, 2001.
- 12. "Mechanisms of balloon mitral valvuloplasty using transthoracic 3D free-hand scanning: Commissurotomy or valve deformation", AHA Scientific Sessions 2001, Boston, MA, 2001.
- 13. "Intraoperative 3DEcho", Annual ASE Scientific Session, Seattle, WA, 2001.
- 14. "Three-dimensional Echocardiographic Assessment of Mitral Valve Orifice Area Using Transthoracic Free-Hand Scanning", ACC Scientific Session 2002, Atlanta, GA, 2002.
- 15. "Biplane stress echocardiography using a prototype matrix array transducer allows more rapid acquisition of post-exercise stress images", AHA Scientific Sessions 2002, San Francisco, CA, 2002.
- "Validation of Real-Time Three-Dimensional Echocardiographic Measurements of Left Ventricular Ejection Fraction with Magnetic Resonance Imaging", AHA Scientific Sessions 2003, Chicago, IL, 2003.
- "Comparison of Left Ventricular Volumes and Ejection Fraction Derived From Acquisitions Using Biplane Imaging and Routine 2D-Echocardiography", ASE Scientific Session 2004, San Diego, CA, 2004.
- 18. "Assessment of cardiovascular response to acute changes in gravity conditions using real-time three-dimensional echocardiography", ASE Scientific Session, Boston, MA, 2005.
- 19. "Real-Time 3D Echocardiographic Evaluation of the Spatial Position of the Left Ventricular Papillary Muscles", AHA Scientific Sessions, Philadelphia, PA, 2006.
- 20. "New Echocardiographic Methods and Techniques in the Assessment of Ventricular and Valvular Function", AHA Scientific Sessions 2007, Atlanta, GA, 2007

21. "Multi-Modality Comparison of Volumetric Quantification of Right Ventricular Volumes Using a Novel Semi-Automated Border Detection Software", AHA Scientific Sessions 2007, Atlanta, GA, 2007.

Professional Service:

Peer Review Groups/Grant Study Sections

2019 - 2020 Award Committee Member, ASE, This committee selected a research study that included both a physician and biomedical engineer.

Advisory Boards

2019 - 2020	Board Member, Advisory Board, Lantheus
2018 - present	Board Member, Advisory Board, Philips Healthcare, Providing insight and opinions on
	current and future technology in cardiac ultrasound
2012 - present	Consultant, Siemens Cardiac Ultrasound, Siemens Healthineers
2021- present	Executive Board Conformal
2025-	American Society of Echocardiography (ASE) Board of Directors (TERM starts 7/2025)

Journal Service

Reviewer

2018 - present	Reviewer, Circulation Imaging
2018 - present	Reviewer, JACC Imaging
2002 - present	Reviewer, Journal of American Society of Echocardiography
2002 - present	Reviewer, Echocardiography

CASE Journal

2021- present	Editorial Board, Subsection	editor: 3D Echocardiography
	,	

European Heart Journal (Cardiovascular Imaging)

2021-present International Editorial Board

Professional Service for Professional Organizations

American Society of Echocardiography

	, ,	5 1 7
2023- present		The Committee on Accreditation for Advanced Cardiovascular Sonography (CoA-ACS)
		Board of Directors (ASE representative)
2019 - 2021		Committee Member, American Society of Echocardiography, Industry Round Table
2019 - 2020		Award Committee Member, ASE, (This committee selected a research study that
		included both a physician and biomedical engineer.)
2016 - 2020		Committee Member, American Society of Echocardiography, ASE Foundation
2012 - 2014		Committee Member, American Society of Echocardiography, Research Committee
2010 - 2014		Committee Member, American Society of Echocardiography, International Relations
		Committee

National Board of Echocardiography (NBE) ASExam

2020 - Present Committee Member, NBE ASExam My role is on the Writing Committee for the ASE Examination and Maintenance of Certification for Echocardiography (MOCE)

Cardiovascular Credentialing International (CCI)

2017 - 2021 Board Member, CCI

Connecticut ACC Chapter

2010 - 2012 Committee Member, Connecticut ACC Chapter, Committee Member

Meeting Planning/Participation

2020 -2021	Co-Director, Yale New Haven Hospital Annual Echo Conference, I am organizing an Echo
	Conference for all members of the Echolab across YNHHS along with Dr. Bernardo Lombo,
	Dr. David Hur and Kelly Giordano, RDCS.
2018 - 2021	Co-Director, Yale New Haven Hospital Annual Echo Conference
2017	Co-Director, University of Chicago: New Frontiers in Echocardiography, First 3D TEE Live
	Conference

Yale University Service

Departmental Committees

2019 - present Committee Member, Yale University, Committee Member for the Selection of the New Geriatric Department Chair

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Peer-Reviewed Original Research

- Pandian NG, Roelandt J, Nanda NC, Sugeng L, Cao QL, Azevedo J, Schwartz SL, Vannan MA, Ludomirski A, Marx G. Dynamic three-dimensional echocardiography: methods and clinical potential. Echocardiography (Mount Kisco, N.Y.) 1994, 11:237-59.
- 2. Delabays A, **Sugeng L**, Pandian NG, Hsu TL, Ho SJ, Chen CH, Marx G, Schwartz SL, Cao QL. Dynamic three-dimensional echocardiographic assessment of intracardiac blood flow jets. The American Journal of Cardiology 1995, 76:1053-8.
- 3. Marx GR, Fulton DR, Pandian NG, Vogel M, Cao QL, Ludomirsky A, Delabays A, **Sugeng L**, Klas B. Delineation of site, relative size and dynamic geometry of atrial septal defects by real-time threedimensional echocardiography. Journal Of the American College of Cardiology 1995, 25:482-90.
- 4. Vannan MA, Cao QL, Pandian NG, **Sugeng L**, Schwartz SL, Dalton MN. Volumetric multiplexed transmission holography of the heart with echocardiographic data. Journal Of the American Society of Echocardiography: Official Publication of The American Society of Echocardiography 1995, 8:567-75.
- Delabays A, Pandian NG, Cao QL, Sugeng L, Marx G, Ludomirski A, Schwartz SL. Transthoracic real-time three-dimensional echocardiography using a fan-like scanning approach for data acquisition: methods, strengths, problems, and initial clinical experience. Echocardiography (Mount Kisco, N.Y.) 1995, 12:49-59.
- 6. Magni G, Cao QL, **Sugeng L**, Delabays A, Marx G, Ludomirski A, Vogel M, Pandian NG. Volume-rendered, three-dimensional echocardiographic determination of the size, shape, and position of atrial septal defects: validation in an in vitro model. American Heart Journal 1996, 132:376-81.

- Yao J, Cao QL, Pandian NG, Sugeng L, Marx G, Masani N, Yeung H. Multiplane Transthoracic Echocardiography: Image Orientation, Anatomic Correlation, and Clinical Experience with a Prototype Phased Array Multiplane Surface Probe. Echocardiography (Mount Kisco, N.Y.) 1997, 14:559-578.
- 8. **Sugeng L**, Cao QL, Delabays A, Esakof D, Marx G, Vannan M, Washburn D, Pandian NG. Threedimensional echocardiographic evaluation of aortic disorders with rotational multiplanar imaging: experimental and clinical studies. Journal Of the American Society of Echocardiography: Official Publication Of The American Society Of Echocardiography 1997, 10:120-32.
- 9. Magni G, Hijazi ZM, Pandian NG, Delabays A, **Sugeng L**, Laskari C, Marx GR. Two- and three-dimensional transesophageal echocardiography in patient selection and assessment of atrial septal defect closure by the new DAS-Angel Wings device: initial clinical experience. Circulation 1997, 96:1722-8.
- 10. Kardon RE, Cao QL, Masani N, **Sugeng L**, Supran S, Warner KG, Pandian NG, Marx GR. New insights and observations in three-dimensional echocardiographic visualization of ventricular septal defects: experimental and clinical studies. Circulation 1998, 98:1307-14.
- 11. Godoy IE, Bednarz J, **Sugeng L**, Mor-Avi V, Spencer KT, Lang RM. Three-dimensional echocardiography in adult patients: comparison between transthoracic and transesophageal reconstructions. Journal Of the American Society of Echocardiography: Official Publication of The American Society of Echocardiography 1999, 12:1045-52.
- 12. Mor-Avi V, Bednarz J, Weinert L, **Sugeng L**, Lang RM. Power Doppler imaging as a basis for automated endocardial border detection during left ventricular contrast enhancement. Echocardiography (Mount Kisco, N.Y.) 2000, 17:529-37.
- 13. **Sugeng L**, Kirkpatrick J, Lang RM, Bednarz JE, Decara JM, Lammertin G, Spencer KT. Biplane stress echocardiography using a prototype matrix-array transducer. Journal Of the American Society of Echocardiography: Official Publication of The American Society of Echocardiography 2003, 16:937-41.
- 14. **Sugeng L**, Weinert L, Lammertin G, Thomas P, Spencer KT, Decara JM, Mor-Avi V, Huo D, Feldman T, Lang RM. Accuracy of mitral valve area measurements using transthoracic rapid freehand 3-dimensional scanning: comparison with noninvasive and invasive methods. Journal Of the American Society of Echocardiography: Official Publication of The American Society of Echocardiography 2003, 16:1292-300.
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- 16. Mor-Avi V, **Sugeng L**, Weinert L, McEneaney P, Caiani EG, Koch R, Salgo IS, Lang RM. Fast measurement of left ventricular mass with real-time three-dimensional echocardiography: comparison with magnetic resonance imaging. Circulation 2004, 110:1814-8.
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- 20. Zamorano J, Perez de Isla L, **Sugeng L**, Cordeiro P, Rodrigo JL, Almeria C, Weinert L, Feldman T, Macaya C, Lang RM, Hernandez Antolin R. Non-invasive assessment of mitral valve area during percutaneous

balloon mitral valvuloplasty: role of real-time 3D echocardiography. European Heart Journal 2004, 25:2086-91.

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- 22. Min JK, Spencer KT, Furlong KT, DeCara JM, **Sugeng L**, Ward RP, Lang RM. Clinical features of complications from transesophageal echocardiography: a single-center case series of 10,000 consecutive examinations. Journal of the American Society of Echocardiography: Official Publication of The American Society of Echocardiography 2005, 18:925-9.
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- 41. Sonne C, **Sugeng L**, Watanabe N, Weinert L, Saito K, Tsukiji M, Yoshida K, Takeuchi M, Mor-Avi V, Lang RM. Age and body surface area dependency of mitral valve and papillary apparatus parameters: assessment by real-time three-dimensional echocardiography. European Journal of Echocardiography: The Journal Of The Working Group On Echocardiography Of The European Society Of Cardiology 2009, 10:287-94.

- 42. Veronesi F, Corsi C, **Sugeng L**, Mor-Avi V, Caiani EG, Weinert L, Lamberti C, Lang RM. A study of functional anatomy of aortic-mitral valve coupling using 3D matrix transesophageal echocardiography. Circulation. Cardiovascular Imaging 2009, 2:24-31.
- 43. Maffessanti F, Nesser HJ, Weinert L, Steringer-Mascherbauer R, Niel J, Gorissen W, **Sugeng L**, Lang RM, Mor-Avi V. Quantitative evaluation of regional left ventricular function using three-dimensional speckle tracking echocardiography in patients with and without heart disease. The American Journal of Cardiology 2009, 104:1755-62.
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- 48. Kaku K, Takeuchi M, **Sugeng L**, Lodato JA, Nakai H, Weinert L, Otani K, Yoshitani H, Haruki N, Hijazi ZM, Otsuji Y, Lang RM. Assessment of atrial septal defect size and residual rim using real-time 3D transesophageal echocardiography. Journal Of Echocardiography 2009, 7:48-54.
- 49. **Sugeng L**, Mor-Avi V, Weinert L, Niel J, Ebner C, Steringer-Mascherbauer R, Bartolles R, Baumann R, Schummers G, Lang RM, Nesser HJ. Multimodality comparison of quantitative volumetric analysis of the right ventricle. JACC. Cardiovascular Imaging 2010, 3:10-8.
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- 55. Chandra S, Salgo IS, **Sugeng L**, Weinert L, Settlemier SH, Mor-Avi V, Lang RM. A three-dimensional insight into the complexity of flow convergence in mitral regurgitation: adjunctive benefit of anatomic

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- 59. Kaku K, Takeuchi M, Otani K, **Sugeng L**, Nakai H, Haruki N, Yoshitani H, Watanabe N, Yoshida K, Otsuji Y, Mor-Avi V, Lang RM. Age- and gender-dependency of left ventricular geometry assessed with real-time three-dimensional transthoracic echocardiography. Journal of the American Society of Echocardiography: Official Publication of The American Society of Echocardiography 2011, 24:541-7.
- 60. Maffessanti F, Marsan NA, Tamborini G, **Sugeng L**, Caiani EG, Gripari P, Alamanni F, Jeevanandam V, Lang RM, Pepi M. Quantitative analysis of mitral valve apparatus in mitral valve prolapse before and after annuloplasty: a three-dimensional intraoperative transesophageal study. Journal of the American Society of Echocardiography: Official Publication of The American Society of Echocardiography 2011, 24:405-13.
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- 65. Veronesi F, Caiani EG, **Sugeng L**, Fusini L, Tamborini G, Alamanni F, Pepi M, Lang RM. Effect of mitral valve repair on mitral-aortic coupling: a real-time three-dimensional transesophageal echocardiography study. Journal of the American Society of Echocardiography: Official Publication of The American Society Of Echocardiography 2012, 25:524-31.
- 66. Ahmad H, Mor-Avi V, Lang RM, Nesser HJ, Weinert L, Tsang W, Steringer-Mascherbauer R, Niel J, Salgo IS, **Sugeng L**. Assessment of right ventricular function using echocardiographic speckle tracking of the tricuspid annular motion: comparison with cardiac magnetic resonance. Echocardiography (Mount Kisco, N.Y.) 2012, 29:19-24.

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