

THOMAS JEFFERSON UNIVERSITY HOSPITAL

CURRICULUM VITAE

Date February 2023

Name **Mark Takashi Ogino, M.D.**

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Education

1981 B.A., University of California, Los Angeles (UCLA)
1985 M.D., University of California, San Diego (UCSD)

Postgraduate Training and Fellowship Appointments

07/1985-06/1986 Intern, Pediatrics, Massachusetts General Hospital, Boston
07/1986-06/1988 Resident, Pediatrics, Massachusetts General Hospital, Boston
07/1988-06/1989 Chief Resident, Pediatrics, Massachusetts General Hospital, Boston
07/1989-06/1992 Fellow, Neonatal-Perinatal Medicine, UCSD Medical Center
07/1991-06/1993 Research Fellow, Pediatric Infectious Disease, UCSD

Military Service

None

Faculty Appointments

07/1985-06/1988 Clinical Fellow in Pediatrics, Harvard Medical School
07/1988-06/1989 Instructor in Pediatrics, Harvard Medical School
01/1996-09/2001 Instructor in Pediatrics, Harvard Medical School
01/2001-12/2002 Assistant Clinical Professor, John A Burns School of Medicine, University of Hawaii
12/2002-12/2009 Associate Clinical Professor, John A Burns School of Medicine, University of Hawaii
01/2010-09/2012 Associate Clinical Professor of Pediatrics, University of Pennsylvania Perlman School of Medicine
11/2018- Clinical Professor of Pediatrics, Sidney Kimmel Medical College of Thomas Jefferson University

Hospital and Administrative Appointments

07/1988-06/1989 Assistant in Pediatrics, Massachusetts General Hospital

07/1989-12/1995	Clinical Instructor in Pediatrics, UCSD School of Medicine
07/1991-12/1995	Neonatologist, UCSD Medical Center
07/1992-12/1995	Neonatologist, Children's Hospital and Health Center, San Diego
07/1992-12/1995	Pediatrician, Children's Hospital and Health Center, San Diego
01/1993-12/1995	Medical Director, Neonatal Cardiac Surgical Program, Children's Hospital Health Center, San Diego
01/1994-12/1995	Co-Director, Neonatal Fellowship Program, Children's Hospital and Health Center, San Diego
01/1996-07/2000	Assistant Pediatrician, Massachusetts General Hospital
01/1996-09/2001	Chair, Newborn Services Collaborative Practice Committee, Massachusetts General Hospital (MGH)
01/1996-09/2001	Neonatologist, Massachusetts General Hospital
01/1997-01/1998	Director, RSV IgIV (Respigam®) Clinic, MGH
01/1997-09/2001	Director, Neonatal Intensive Care Unit, MGH
01/1997-09/2001	Neonatologist, Brigham and Women's Hospital
01/1997-09/2001	Neonatologist, North Shore Medical Center
01/1997-09/2001	Neonatologist, Mt. Auburn Hospital
01/1998-09/2001	Chair, Massachusetts General Physicians Organization (MGPO)
	Neonatology Professional Billing Taskforce, MGH
01/1998-09/2001	Co-Chairman, Pediatric Service Alumni Association, MGH
01/2000-09/2001	Associate Pediatrician, Massachusetts General Hospital
10/2001-12/2009	Neonatologist, Kaiser Permanente Medical Center, Hawaii
01/2003-12/2007	Director, Extracorporeal Membrane Oxygenation (ECMO) Program, Kaiser Permanente, Hawaii
01/2003-12/2009	Director, Neonatal Intensive Care Unit, Kaiser Permanente, Hawaii
01/2004-12/2006	Director, Hawaii ECMO Physicians Consortium
01/2004-12/2009	Neonatologist (Courtesy Staff), Kapiolani Medical Center for Women and Children, Hawaii
01/2006-12/2009	Director, Hanuola ECMO Program of Hawaii
01/2009-12/2010	Director, Clinical Research, Hanuola ECMO Program of Hawaii
01/2010-09/2012	Neonatologist, Chester County Hospital
01/2010-09/2012	Director, CHOP Newborn Care at Chester County Hospital
01/2010-09/2012	Neonatologist, Children's Hospital of Philadelphia
01/2010-09/2012	Consulting Neonatologist, Pennsylvania Hospital
10/2012-04/2015	Neonatologist, Nemours AIDHC
10/2012-04/2015	Division Chief Neonatology, Nemours Alfred I duPont Hospital for Children (AIDHC)
10/2012-12/2015	Director, Critical Care ECMO, Nemours AIDHC
12/2012-	Neonatologist, St Francis Hospital
01/2014-11/2018	Medical Director, Nemours Partners for Perinatal Medicine, Nemours AIDHC
01/2014-09/2017	Pediatrician, Nanticoke Hospital
10/2014-02/2020	Neonatologist, Phoenixville Hospital

04/2015-11/2018	Director, Critical Care Services, Nemours AIDHC
04/2015-11/2018	Medical Director, Nemours Delaware Valley Partnership Network
10/2015-	Neonatologist, Inspira Vineland Medical Center
06/2017-	Neonatologist, Inspira Mullica Hill Medical Center
10/2017-09/2019	Interim Division Chief Neonatology, Nemours AIDHC
11/2017-11/2018	Consulting Neonatologist, Osceola Regional Medical Center
07/2018-	Staff Neonatologist, Main Line Health Hospitals
11/2018-	Chief Partnership Officer, Nemours Delaware Valley
11/2018-	System Chief, Nemours Neonatology, Delaware Valley
07/2019-	Medical Staff, Abington Jefferson Health
07/2019-01/2020	Interim Site Chief, Nemours Children's Health, Abington Jefferson Health
01/2022-	Interim Site Chief, Nemours Children's Health, Abington Jefferson Health

Specialty Certifications

1989	Diplomate of the American Board of Pediatrics (expired)
1993	Diplomate in Neonatal-Perinatal Medicine

Licensure

1985	California License Registration (inactive)
1988	Massachusetts License Registration (inactive)
1995	Georgia License Registration (inactive)
2001	Hawaii License Registration (inactive)
2009	Pennsylvania License Registration
2012	Delaware License Registration
2013	Maryland License Registration
2014	New Jersey License Registration
2017	Florida License Registration (inactive)

Awards, Honors and Membership in Honorary Societies

1976-1981	Alumni Scholar, UCLA
1977-1981	Phi Eta Sigma Honor Society, UCLA
1981	College of Letters and Science Honors, UCLA
1981	Magna Cum Laude, UCLA
1981	Phi Beta Kappa, UCLA
1991	Department of Pediatrics Teaching Award, UCSD
1995	A.H. Robins Miracle Maker Award, Children's Hospital, San Diego
1999	Partners in Excellence Award, Partners Health Care, Boston
2000	Pediatric Service Teaching Award, MGH
2007	Best Doctors in America
2008	Best Doctors in Hawaii, Honolulu Magazine
2009	America's Top Pediatricians

2009	Best Doctors in Hawaii, Pacific Business News
2010	Best Doctors in America
2012	Best Doctors in America
2014	Delaware Today Magazine's "Top Doctors"
2014	Best Doctors in America
2015	Best Doctors in America
2016	Best Doctors in America
2017	Best Doctors in America
2018	Best Doctors in America
2019	Best Doctors in America
2020	Best Doctors in America

Memberships in Professional and Scientific Societies and Committees

International:

1999-2000	Sharing Foundation, Advisory Committee
2009-2015	Extracorporeal Life Support Organization (ELSO), Steering Committee
2009-2015	Chair, ELSO Logistics and Education Committee
2010-2012	Chair, ELSO Specialist Credentialing Task Force
2011-2012	Chair, ELSO Website Development Sub-Committee
2013-	International Pediatric Simulation Society (IPSS)
2014-2015	European Society for Artificial Organs (ESAO) International Scientific Committee
2016-2018	President-Elect, Extracorporeal Life Support Organization (ELSO)
2016-2018	Treasurer, Extracorporeal Life Support Organization
2016-2018	Executive Committee, Extracorporeal Life Support Organization
2018-2022	Board of Directors, Extracorporeal Life Support Organization
2018-2020	President, Extracorporeal Life Support Organization
2020-2022	Immediate Past President, Extracorporeal Life Support Organization
2022-	Strategic Advisory Council, Extracorporeal Life Support Organization

National:

1985-1995	American Medical Association
1993-	American Academy of Pediatrics, Fellow
2001-	American Academy of Pediatrics Perinatal Section

Local:

1989-1995	California Medical Association
1991-1992	Member, HIV Protocol Task Force, County of San Diego
1991-1995	California Perinatal Association
1992-1995	San Diego County Medical Association
1996-2001	Massachusetts Medical Association
1998-2001	Member, Blue Cross and Blue Shield of Massachusetts, Medical Policy Committee

2001-2009 Advisor, State of Hawaii, Department of Health, WIC Services Branch
 2001-2009 Member, State of Hawaii, Department of Health, Newborn Metabolic Screening Committee
 2009 Advisor, Healthcare Association of Hawaii
 2013-2014 Mass General Hospital for Children Alumni Association Newsletter Committee Member
 2013- Medical Society of Delaware

Consulting Positions

2015 ECMO Program Gap Analysis, Consultant; King Faisal Specialist Hospital & Research Center; Riyadh, Saudi Arabia (May 23-28, 2015)
 2016 ECMO Program Gap Analysis, Consultant; Hamad ECMO Program; Doha, Qatar (August 1-6, 2016)
 2017-2018 ECMO Program Review. Assist with opening of ECMO Program, Consultant; Sidra Medical and Research Center; Doha, Qatar
 2023 ELSO ECMO Course Endorsement Surveyor. "Artificial Life Support with ECMO" course at Poznań University of Medical Sciences, Poznań, Poland

Editorial Positions

1998-2001 Ad hoc reviewer, New England Journal of Medicine
 1989-1992 Editorial Board, UCSD Medicine
 2000-2001 Ad hoc reviewer, Journal of Pediatric Gastroenterology and Nutrition
 2000-2001 Ad hoc reviewer, Journal of Perinatology
 2012 Editorial Board, Current Pediatric Reports
 2013 Ad hoc reviewer, Journal of Perinatology
 2013 Ad hoc reviewer, Journal of Pediatrics
 2013 Ad hoc reviewer, Critical Care Medicine
 2013 Neonatal Section Editor; ELSO Guidelines Project
 2014 Ad hoc reviewer, Pediatrics
 2014 Ad hoc reviewer, Nutrition Journal
 2017 Ad hoc reviewer, Journal of Pediatric Neurology
 2018 Ad hoc reviewer, Frontiers in Pediatrics
 2018 Ad hoc reviewer, Perfusion
 2018 Ad hoc reviewer, Journal of Perinatology
 2018- Ad hoc reviewer, Qatar Medical Journal
 2019- Ad hoc reviewer, ASAIO Journal
 2020- Ad hoc reviewer, Pediatric Research
 2021- Ad hoc reviewer, Frontiers in Pediatrics

Academic and Institutional Committees

1981-1985 Recruitment and Admission Committee, UCSD School of Medicine
 1984-1985 Recruitment and Admission Committee, Executive Committee, UCSD

School of Medicine

1987-1989 Pediatric Intern Selection Committee, MGH

1988-1989 Executive Committee on Teaching and Education, MGH

1989-1992 Recruitment and Admission Committee, UCSD School of Medicine

1989-1992 Editorial Board, UCSD Medicine, UCSD School of Medicine

1993-1995 Heart Institute, Executive Committee, Children's Hospital of San Diego

1993-1995 Heart Institute, Physicians Productivity Analysis Committee, Children's Hospital of San Diego

1994-1995 Cardiac Patient Care Task Force, Children's Hospital of San Diego

1995 Children's Associated Medical Group, Division of Neonatology, Executive Committee, Children's Hospital of San Diego

1996-2001 Newborn Services Collaborative Practice Committee, MGH

1996-2001 Operations Improvement Program, Children's Care Team, MGH

1997-2001 Partners HealthCare Computer Order Entry – Pediatrics, MGH

1997-2001 Pediatric Service Operations Committee, MGH

1997-2001 NICU Leadership Committee, MGH

1997-2001 Perinatal Quality Assurance Committee, MGH

1997-2001 Multidisciplinary Infant Discharge Committee, Chair, MGH

1998-1999 NICU / PICU Renovation Committee, MGH

1998-2000 Children's Care Utilization Management Committee, MGH

1998-2000 Pediatric Service Primary Care and Specialty Care Leadership Committee, MGH

1998-2001 Massachusetts General Physicians Organization (MGPO) Neonatology Professional Billing Taskforce, MGH

1998-2001 Transitional Care Unit Design Committee, MGH

1998-2001 Critical Care Committee, MGH

1998-2001 Pediatric Service Family Advisory Committee, MGH

1998-2001 Pediatric Service Alumni Association, Co-Chairman, MGH

1999-2001 Pediatric Service Product Line Analysis Committee, MGH

1999-2001 MGPO Neonatology Specialty Care Development Committee

1999-2001 Pediatric Intern Selection Committee

2000-2001 Pediatric Service Medication Error Task Force, MGH

2001-2009 Perinatal Committee, Kaiser Permanente Hawaii

2002 Quality Improvement Medical Group, Kaiser Permanente Hawaii

2003-2009 Perinatal Safety Committee, Kaiser Permanente Hawaii

2004-2006 Hawaii ECMO Physicians Consortium

2004-2007 Hospital Executive Committee, Kaiser Permanente Hawaii

2004-2007 Risk Management Committee, Kaiser Permanente Hawaii

2004-2009 Kaiser Permanente (National) HealthConnect (EMR) NICU Development Committee

2004-2009 NICU Redesign Team, Kaiser Permanente Hawaii

2005-2007 Tower Construction Committee, Kaiser Permanente Hawaii

2006-2009 NICU Content Expert Panel, Kaiser Permanente (National)

2007-2009 Moanalua Medical Center Masterplan Committee, Kaiser Permanente

	Hawaii
2007-2009	Combined QIMED/Clinical Risk Committee, Kaiser Permanente Hawaii
2007-2009	ECMO Clinical Committee, Kapiolani Medical Center for Women and Children
2007-2009	ECMO Administrative Leadership Committee, Kapiolani Medical Center for Women and Children
2007-2009	Kaiser Permanente (National) Simulation Project Managers
2008	Clinical Research Center Data and Safety Monitoring Board, Kapiolani Medical Center for Women and Children
2010-2012	NICU Operations Committee, Chester County Hospital
2011-2012	Infection Prevention and Control Committee, Chester County Hospital
2011-2012	Children's Hospital of Philadelphia (CHOP) Quality Initiative at Chester County Hospital Committee
2011-2012	Perinatal Quality Committee, Chester County Hospital
2012-2014	Perinatal Business Planning Committee, Nemours Alfred I duPont Hospital for Children (AIDHC)
2012-2014	Fetal Management Committee, Nemours AIDHC
2012-2014	Delaware Valley Strategic Management Session, Nemours AIDHC
2012-2022	ECMO Steering Committee, Nemours AIDHC
2012-2015	NICU Operations Committee, Nemours AIDHC
2013	International Pediatric Simulation Society and ELSO ECMO Collaboration Committee
2014	Nemours Partners for Perinatal Management Strategy Committee, Nemours AIDHC
2014-2016	Delaware Valley Strategy Council, Nemours AIDHC
2014-2016	Delaware Valley Operations Council, Nemours AIDHC
2015-	Delaware Heart and Lung Recovery Program (HEALR), Christiana Care Health System and Nemours Alfred I duPont Hospital for Children
2015-2019	Guiding Council, Nemours AIDHC
2015-2019	Practice Leadership Team, Nemours AIDHC
2018-	Nemours Perinatal Strategy Team, Nemours AIDHC
2019-	Cooper Health Nemours Strategic Planning Committee, Nemours AIDHC
2019-	Jefferson Health Nemours Strategic Planning Committee, Nemours AIDHC
2019-2022	Main Line Health Nemours Strategic Planning Committee, Nemours AIDHC
2019-	Delaware Valley Leadership, Nemours Children's Hospital, Delaware
2020-2022	Delaware Valley Covid-19 Incident Command, Nemours Children's Hospital, Delaware

Major Teaching and Clinical Responsibilities

1988-1989	Lecturer, Harvard Medical School Year Three Pediatric Clerkship, MGH Weekly Pediatric topic lectures to third year medical students.
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1988-1989 Children's Service Attending, MGH. Ward Attending and Pediatrics Attending

1991-1993 Infant Special Care Unit Attending, UCSD Medical Center. ICU Attending.

1991-1995 Neonatal Intensive Care Unit Attending, Children's Hospital and Health Center, San Diego. ICU Attending.

1991-1995 Lecturer, UCSD School of Medicine Year Three Pediatric Clerkship. Monthly Pediatric topic lectures to third year medical students.

1991-1995 Lecturer, Neonatal-Perinatal Fellowship Lectures, UCSD Medical Center. Quarterly Neonatal lectures.

1992-1995 Lecturer, "Post-Operative Management of the Cardiac Surgical Neonate," Neonatal Critical Care Course, Children's Hospital and Health Center, San Diego. Two lectures per year.

1993-1995 Organizer and Lecturer, Neonatal Cardiac Conference, Children's Hospital and Health Center, San Diego. Weekly conference.

1993 UCSD Pediatric HIV Treatment Center Teaching Rounds. "Antiretroviral Resistance in Pediatric HIV Patients"

1996 Preceptor, Harvard Medical School Year Three Pediatric Clerkship, Mt Auburn and Cambridge City Hospitals

1997 Lecturer, MGH Pediatric Continuity Clinic Preceptors Meeting; "Practical Topics in Neonatology." Yearly lecture.

1996 Lecturer, MGH Primary Care Pediatrics Course. Yearly lecture on neonatal topics.

1996-2001 Neonatology Attending, MGH. ICU Attending, Level 2 Nursery Attending, and Labor and Delivery (High Risk) Neonatal Attending

1996-2001 Lecturer, Pediatric Residency Core Curriculum, MGH. Monthly lecture on various neonatal topics

1996-2001 Organizer and Lecturer, Neonatology Morbidity and Mortality Conference, MGH. Quarterly lecture on neonatal topics.

1996-2001 Lecturer, Perinatology Rounds, MGH. Two to three lectures per year.

1996-2001 Lecturer, Neonatology Core Curriculum, MGH. Monthly lecture to Residents in the NICU.

1996-2001 Lecturer, Pediatric and Neonatal Transport Conference, MGH. Two lectures

1996-1997 Lecturer, MGH Emergencies and Procedures in Pediatrics Course. Yearly course.

1996-1998 Preceptor, Introduction to Clinical Medicine, Newborn Medicine, Harvard Massachusetts Institute of Technology Division of Health Sciences and Technology (HST)

1996-1999 Preceptor, Harvard Medical School Year One Patient/Doctor. Weekly meetings.

1996-2001 Lecturer, Boston University School of Medicine Year Three Pediatric Clerkship, Mt Auburn Hospital

1997-2001 Lecturer, Pediatric Critical Care Fellows Lecture, MGH. Quarterly

lectures

2000-2001 Mentee, Kristen Olson, MD. Combined Medicine Pediatric Resident, MGH

2000-2001 Lecturer, Resident as Teacher, Harvard Medical School

2002 Lecturer, Kapiolani Medical Center for Women and Children Grand Rounds, Recognition and Stabilization of the Newborn with Congenital Heart Disease. Yearly lecture.

2004 Lecturer, Kapiolani Medical Center for Women and Children. Neonatal Fellow Conference, Neonatal Morbidity and Mortality Conference. Quarterly

2003 Kaiser Permanente Moanalua Medical Center Family Practice Grand Rounds. "Nutrition Practice Guideline for the Preterm Infant in the Community"

2003-2005 Lecturer, Straub Foundation Summer Student Research Program; "Neonatology." Yearly lecture

2003-2009 Course Co-Director and Lecturer, Kaiser Permanente Medical Center Perinatal Morbidity and Mortality Conference. Quarterly conferences

2004-2005 Lecturer, Straub Foundation Summer Student Research Program. Yearly lecture

2006-2009 Course Director and Lecturer, Hanuola ECMO Program of Hawaii.

- ECMO Training Course, 5 day course, twice a year
- ECMO Recertification Course, 2 day course, 2 to 4 times a year
- ECMO Mock Drills and Wet Labs, every 4 months
- ECMO Animal Training labs, every 6 months

2007-2009 ECMO Attending, Kapiolani Medical Center for Women and Children, Honolulu HI. Neonatal and Pediatric ICU.

- Advisory Board Meeting (Program Review), every 3 months
- ECMO Case Debriefing, after every case
- ECMO Morbidity and Mortality, every 3 months

2009 Mentee, Kathleen Munger, Straub Foundation Summer Student Research

2009-2010 Mentee, Christopher Elliott, MD, Tripler Army Medical Center General Surgery Residency Program.

2009-2010 Mentee, Benjamin Tabak, MD, Tripler Army Medical Center General Surgery Residency Program.

2010-2012 Neonatal Intensive Infant Care Unit Attending, Children's Hospital of Philadelphia; Philadelphia, PA. ICU Attending

2012- Neonatal Intensive Care Unit Attending, Nemours Alfred I duPont Hospital for Children, Jefferson Medical College; Wilmington, DE. ICU Attending

2012- Neonatal Intensive Care Unit Attending, St Francis Hospital; Wilmington, DE.

2013- Nemours Alfred I. duPont Hospital for Children ECMO Training Course; Wilmington, DE. Yearly lecture

2016 ECMO Simulation Instructor; Society of Thoracic Surgeons and ELSO ECMO Management Symposium. Tampa, FL (March 11-13, 2016).

2017-2020 Mentee, Abdullah Alaa Abdulrazzaq Alsalemi, Qatar University, Doha,

	Qatar
2017-	Mentee, Archana Dhar, MD, Children's Hospital Dallas Pediatric Critical Care Medicine
2018-2020	Mentee, Liangshan Wang, MD, Capital Medical University Affiliated Anzhen Hospital, Center for Cardiac Critical Care, Beijing, China
2020-2021	Mentee, Mohamed Hassan Kamel Hassan Rabie, Qatar University, Doha, Qatar
2020-2021	Mentee, Mohammad Noorizadeh, Qatar University, Doha, Qatar
2020-2021	Mentee, Ula Muatasim Husni Hijjawi, Qatar University, Doha, Qatar

Regional Lectures

1998	MGH Pediatric Research Symposia. "NICU Operations Improvement: Beyond Pathways"
1999	Center for Innovative Minimally Invasive Therapy, MGH. "Transdermal Drug Delivery in Neonates," Massachusetts General Hospital; Boston, MA
2000	Harvard Neonatology Epidemiology Group; Boston, MA
2000	Newton Wellesley Hospital Pediatric Grand Rounds; Wellesley, MA
2004	Kaiser Permanente Moanalua Medical Center Anesthesiology Teaching Rounds. "Extracorporeal Membrane Oxygenation"
2006	Kaiser Permanente Moanalua Medical Center Surgical Services Teaching Rounds. "Extracorporeal Membrane Oxygenation"
2008	Kaiser Permanente Moanalua Medical Center Anesthesiology Teaching Rounds. "Volume Resuscitation in the Newborn"
2009	"ECMO Physics", Tripler Army Medical Center, Honolulu, HI (December 18, 2009)
2009	"ECMO Training Course for the Bedside Clinician", Kaiser Moanalua Medical Center, Honolulu, HI
2009	"ECMO Physiology", Kaiser Moanalua Medical Center, Honolulu, HI
2009	"VA and VV ECMO", Kaiser Moanalua Medical Center, Honolulu, HI
2009	"ECMO Management", Kaiser Moanalua Medical Center, Honolulu, HI
2009	"Understanding Coagulation Issues in ECMO", Kaiser Moanalua Medical Center, Honolulu, HI
2010	Chester County Hospital Perinatal Conference. "ECMOjo: Simulation in Education and Competency Evaluation"; West Chester, PA
2010	Chester County Hospital Neonatology Conference. "The Peepin and Snortin Pig", West Chester, PA
2010	Chester County Hospital Neonatology Conference. "No Second Chance with a Broken Heart," West Chester, PA
2010	CHOP Simulation Research Group, Children's Hospital of Philadelphia; "ECMOjo" Philadelphia, PA
2011	Daybreak Lions Club. "Neonatology in 2011," West Chester PA
2011	University of Pennsylvania School of Nursing, Nursing 731 High Risk Neonatal Theory. "Shock in the Newborn," University of Pennsylvania

- School of Nursing
- 2011 Chester County Hospital Pediatric Symposium 2011. "The Golden Hour of Life," West Chester, PA
 - 2011 March of Dimes, Chester County Chapter. "Neonatal Care at Chester County Hospital," West Chester, PA
 - 2011 Chester County Hospital Critical Care Symposium. "ECMO for Respiratory Failure," West Chester, PA
 - 2012 University of Pennsylvania School of Nursing, Nursing 731 High Risk Neonatal Theory. "Shock in the Neonate," Philadelphia, PA
 - 2013 St. Francis Hospital Family Practice Resident Conference. "Newborn Infant with a Murmur: Case Review," Wilmington, DE (February 7, 2013)
 - 2013 St. Francis Hospital Family Practice Resident Conference. "The Delivery Room Golden Hour," Wilmington, DE (April 4, 2013)
 - 2013 "Creating a Culture of Safety: A Collaborative Approach," NICU Nursing Conference; Nemours Alfred I. duPont Hospital for Children; Wilmington, DE (May 3, 2013)
 - 2013 "Transition from ICU to PCP office," Kaleidoscope Conference, Nemours Alfred I. duPont Hospital for Children; Wilmington, DE (May, 2013)

Lectures by Invitation

- 1990 NICHD Aspen Conference on Maternal Fetal Neonatal Medicine, Aspen, CO
- 1991 "ZDV Resistance in Pediatric HIV Patients," Mercy Hospital and Medical Center Pediatric Grand Rounds; San Diego, CA
- 1991 "ZDV Resistance in Pediatric HIV Patients," Foster Parent Program, County of San Diego, Department of Social Services, San Diego, CA
- 1991 "ZDV Resistance in Pediatric HIV Patients," Western Conference on Perinatal Research
- 1991 "Linear Echodensities in Newborn Infants", American Institute of Ultrasound in Medicine
- 1991 "Zidovudine Resistance in Pediatric HIV Isolate," Interscience Conference on Antimicrobial Agents and Chemotherapy Society for Pediatric Research
- 1992 "Zidovudine Resistance in Pediatric HIV Isolate," Children's Hospital and Health Center, San Diego Grand Rounds
- 1992 "Perinatal HIV", El Centro Regional Medical Center Pediatric Grand Rounds
- 1992 "Zidovudine Resistance in Pediatric HIV Isolates", Children's Hospital and Health Center, San Diego Grand Rounds
- 1992 "Perinatal HIV", Orange County Foster Parent Program; Irvine, CA
- 1992 "Perinatal HIV & ZDV Resistance", Foster Parent Program, County of San Diego, Department of Social Services; San Diego, CA
- 1992 "Development and Significance of Zidovudine Resistance in Pediatric HIV Patients," Keystone Symposia: Molecular and Cellular Biology; Keystone,

- CO
- 1992 "Development and Significance of Zidovudine Resistance in Pediatric HIV Patients," Joint Featured Research Symposia Society for Pediatric Research
- 1993 "Perinatal HIV Infection", El Centro Regional Medical Center Pediatric Grand Rounds; El Centro, CA
- 1993 "Perinatal HIV Infection", Foster Parent Program, County of San Diego, Department of Social Services; San Diego, CA
- 1993 "Perinatal HIV Infection", National Conference of Neonatal Nursing, San Diego, CA
- 1993 "Perinatal HIV Infection", San Diego Hospice Conference, San Diego, CA
- 1993 "Post-operative Management of Neonates with Transposition of the Great Arteries", St. Joseph's Hospital & Phoenix Children's Hospital; Phoenix, AZ
- 1993 "Antiretroviral Resistance in Pediatric HIV Patients", UCSD Pediatric HIV Treatment Center
- 1993 "Outcomes of Neonates requiring Post-cardiotomy ECMO support", Children's National Medical Center ECMO Symposium; Keystone, CO
- 1994 "Single Ventricle Care in the Neonate," Children's Hospital and Health Center, San Diego Cardiac Critical Care Conference
- 1994 "Zidovudine Resistance in Pediatric HIV patients", Western Conference on Perinatal Research; San Diego, CA
- 1994 "Zidovudine Resistance in Pediatric HIV patients", Foster Parent Program, County of San Diego, Department of Social Services; San Diego, CA
- 1995 Children's National Medical Center Symposium on ECMO & Advanced Therapies for Respiratory Failure; Keystone, CO
- 1995 "Hypoxic Respiratory Failure in the Neonate", El Centro Regional Medical Center Pediatric Grand Rounds; El Centro, CA
- 1995 "Post-Operative Management of Neonates Undergoing Cardiac Surgery", Massachusetts General Hospital, Pediatric Service Newborn Services; Boston, MA
- 1995 "Hypoxic Respiratory Failure in the Neonate", Mercy Hospital and Medical Center Pediatric Grand Rounds; San Diego, CA
- 1995 "Perinatal HIV", Sharp Mary Birch Hospital for Women Grand Rounds; San Diego, CA
- 1995 "Perinatal HIV", Tri-City Hospital Pediatric Grand Rounds; Oceanside, CA
- 1995 "Recognition, Stabilization and Management of the Neonate with Congenital Heart Disease," Diagnosis and Treatment of Fetal & Neonatal Birth Defects: State of the Art"Children's Hospital and Health Center, San Diego Critical Care Conference
- 1996 "Practical Topics in Neonatology," Massachusetts General Hospital Pediatric Continuity Clinic Preceptors Meeting Massachusetts General Hospital Emergencies and Procedures in Pediatrics

- 1997 Massachusetts General Hospital Primary Care Pediatrics Course
- 1997 New England Conference on Perinatal Research, Plenary Session; Cape Cod, MA
- 1997 "Perinatal HIV", East Boston Community Health Center; Chelsea, MA
- 1997 "Perinatal HIV", Metro West Medical Center Pediatric Grand Rounds; Framingham, MA
- 1998 "NICU Operations Improvement: Beyond Pathways," MGH Pediatric Research Symposia
- 1998 "Cambridge Health Resources: Neonatal Intensive Care: Improving Quality and Reducing Costs in the NICU," Mt. Auburn Hospital Pediatric Grand Rounds; Cambridge, MA
- 1998 American Academy of Pediatrics Perinatal Section Meeting, Plenary Session.
- 1998 New England Medical Center, Floating Hospital for Children; Boston, MA
- 1998 Timilty School Health Education Program; Boston, MA
- 1999 "Transport of the ELBW Infant", Exeter Hospital; Exeter, NH
- 1999 "Transport of the ELBW Infant", Falmouth Hospital; Falmouth, MA
- 1999 Metro West Medical Center Pediatric Grand Rounds; Framingham, MA
- 1999 "Cambridge Health Resources: Neonatal Intensive Care: Breakthrough Performance Improvement" Mt Auburn Hospital Pediatric Grand Rounds; Cambridge, MA
- 2001 "Perinatal Acquired Group B Streptococcal Disease", Cambridge Hospital Pediatric Grand Rounds; Cambridge, MA (June 28, 2001)
- 2001 Pediatric Academic Societies Meeting, Plenary Presentation
- 2001 "Diagnosis and Treatment of Heart Disease in Infants and Children II", Respiratory Care 2002: Creating a Better Tomorrow, Honolulu, HI
- 2002 "Inhaled Nitric Oxide"; Hawaii Society for Respiratory Care, Honolulu, HI (September 25, 2002)
- 2002 "Recognition and Stabilization of the Newborn with Congenital Heart Disease", Kapiolani Medical Center for Women and Children, Honolulu, HI (November 8, 2002)
- 2003 "Nutrition Practice Care Guidelines for Preterm Infants in the Community," State of Hawaii, Department of Health, WIC Services, Honolulu, HI (November 3, 2003)
- 2003 "Hypoxic Respiratory Failure", Wilcox Memorial Hospital, Kihei, HI
- 2003 "Hypoxic Respiratory Failure in the Neonate", Friends of Respiratory Care Society, Honolulu, HI (December 3, 2003)
- 2004 "Neonatology," Kaiser Permanente Medical Center Pediatric/Family Practice Grand Rounds
- 2004 "Extracorporeal Membrane Oxygenation," Kaiser Permanente Medical Center Anesthesiology Rounds; Honolulu, HI
- 2004 "Hypoxic Respiratory Failure in the Neonate", TriCity Medical Center, Oceanside, CA
- 2004 "Hypoxic Respiratory Failure in the Neonate", Maui Memorial Hospital,

- Wailuku, HI
- 2005 “Transport of the ELBW infant”, Maui Memorial Hospital, Wailuku HI
 - 2005 “ECMO”, Kapiolani Medical Center for Women and Children Noon Conference; Honolulu, HI (June 2005)
 - 2005 “Just go with the Flow! The Best ECMO is no ECMO”, Kapiolani Medical Center for Women and Children, Honolulu, HI (August 25, 2005)
 - 2005 “Just go with the Flow! The Best ECMO is no ECMO”, Hawaii Society for Respiratory Care (September 21, 2005)
 - 2005 “Just go with the Flow! The Best ECMO is no ECMO”, Neonatal Nursing Conference, Honolulu, HI (September 8, 2005)
 - 2006 “Developing a new ECMO Program” ELSO Conference, Atlanta GA (September, 2006)
 - 2007 “Simulation Training in Critical Care”, Children’s National Medical Center Symposium on ECMO & Advanced Therapies for Respiratory Failure, Keystone CO (February 27, 2007)
 - 2007 “Medicine Application to ECLS Training”, Children’s National Medical Center Symposium on ECMO & Advanced Therapies for Respiratory Failure, Keystone, CO (February 27, 2007)
 - 2007 “Extracorporeal Membrane Oxygenation”, National Advanced Practice Neonatal Nursing Conference; Honolulu, HI (May, 2007)
 - 2007 “Hanuola ECMO Program of Hawaii,” Hawaii Medical Service Association (HMSA). Honolulu, HI (November 6, 2007)
 - 2008 “Pre-Medication for Electric Neonatal Intubation; Use of Propofol”, Hawaii Chapter National Association of Neonatal Nurses (September 18, 2008)
 - 2008 “Developing and Building a New ECMO Program”, Royal Children’s Hospital, Melbourne Australia (May 29, 2008)
 - 2008 “Gaming ECMO: A New Learning tool”, ELSO Conference, San Diego, CA (September 23, 2008)
 - 2008 “Volume Resuscitation in the Newborn,” Kaiser Permanente Medical Center Anesthesiology Rounds
 - 2008 “Establishing a Second Generation ECMO Program”, Royal Children’s Hospital, Melbourne, Australia (May 30, 2008)
 - 2008 “Web Base Educational Tool for ECMO Training”, Extracorporeal Life Support Organization (ELSO) Conference, San Diego, CA (September, 2008)
 - 2008 “Stabilization and Transport of the ELBW Infant”, Kaiser Permanente Maui/lani Pediatrics, Wailuku, HI
 - 2009 “Hanuola, ECMO Program of Hawaii”, Hawaii Medical Service Association. Honolulu, HI (March 24, 2009)
 - 2009 “Stabilization of ELBW for Transport,” Kaiser Permanente; Maui, HI
 - 2009 “Hanuola, ECMO Program of Hawaii”, Kapiolani Medical Center for Women and Children Board of Directors, Honolulu, HI
 - 2009 “Hanuola, ECMO Program of Hawaii”, Hawaii Pacific Health Board of Directors, Kapolei, HI

- 2009 "So you want to do ECMO", ECMO Training Course, Children's Hospital of Pittsburgh, Pittsburgh, PA
- 2009 "Indications, Evaluation, and Selection for Neonatal ECMO", ECMO Training Course, Children's Hospital of Pittsburgh, Pittsburgh, PA
- 2009 "Physics of ECMO", ECMO Training Course, Children's Hospital of Pittsburgh, Pittsburgh, PA
- 2009 "Principles of VA and VV ECMO", ECMO Training Course, Children's Hospital of Pittsburgh, Pittsburgh, PA
- 2009 "Understanding Coagulation and Hemostasis on ECMO", ECMO Training Course, Children's Hospital of Pittsburgh, Pittsburgh, PA
- 2009 "Extracorporeal Membrane Oxygenation for H1N1 Related Respiratory Failure Patients", Healthcare Association of Hawaii, Honolulu, HI (November 6, 2009)
- 2010 "ECMO Simulation: 3 years later sharing the Mojo," ECMO & the Advanced Therapies for Respiratory Failure, Keystone, CO (February 10, 2010)
- 2010 "Adding Mojo to your ECMO Program," SEECMO, Iowa City, IA (May 22, 2010)
- 2010 "ECMO Simulation," Phoenix Children's Hospital, Phoenix, AZ
- 2010 "Building an ECMO Team," ELSO Adult VV ECMO Course, Legacy Emanuel Hospital, Portland, OR (September 2010)
- 2010 "Oxygen Kinetics," ELSO Adult VV ECMO Simulation Workshop, Legacy Emanuel Hospital, Portland, OR (September 2010)
- 2010 "ECMO Certification – Quality Improvement or Wasted Paperwork," ELSO and AmSECT Joint Conference, St Petersburg, FL (October 2, 2011)
- 2011 "ECMO Training through Simulation: Developing and Maintaining Program Competency,"- Congenital Heart Center at Children's Hospital of Illinois Dinner Symposium and Workshop, Peoria, IL (March 2011)
- 2011 "ECMO Training through Simulation: A Model for Enhancing Medical Education,"- Pediatric Grand Rounds, Children's Hospital of Illinois, Peoria, IL (March 2011)
- 2011 "Simulation in ECMO," ELSO VV ECMO for Adult Respiratory Failure, San Antonio, TX (March 2011)
- 2011 "VV ECLS Selection Criteria and Pearls of Management: Neonatal." SEECMO, Edmonton, Alberta, Canada (June 5, 2011)
- 2011 "Simulation in ECLS," SEECMO, Edmonton, Alberta, Canada (June 4, 2011)
- 2011 "ECPR Simulation Scenario," SEECMO, Edmonton, Alberta, Canada (June 4, 2011)
- 2011 "Credentialing: ELSO Perspective," - ELSO, Scottsdale, AZ (September 16, 2011)
- 2011 "Overview of Simulation for ECMO Training,"ELSO, Scottsdale, AZ (September 16, 2011)
- 2011 "Simulation in ECMO," ELSO VV ECMO for Adult Respiratory Failure,

- Houston, TX (November 30, 2011)
- 2012 “Specialist Credentialing: ELSO Perspective. An Update.” ECMO and the Advanced Therapies for Respiratory Failure, Keystone, CO (February 27, 2012)
- 2012 “ECMO Transport Logistics: Read the Small Print before You Fly.” ECMO and the Advanced Therapies for Respiratory Failure, Keystone, CO (February 28, 2012)
- 2012 “ECMO Physiology,” Children’s Hospital of Pittsburgh ECMO Course, Pittsburgh, PA (March 9, 2012)
- 2012 “Simulation in ECMO,” ELSO VV ECMO for Adult Respiratory Failure, Atlanta, GA (April 11, 2012)
- 2012 “ECMO Transports,” ELSO VV ECMO for Adult Respiratory Failure, Atlanta, GA (April 14, 2012)
- 2012 “How to Set-Up and Train Your ECMO Unit,” First Annual Congress Euro-ELSO, Rome, Italy. (May 12, 2012)
- 2012 “Case Based Practice in Neonatal ECMO,” First Annual Congress Euro-ELSO, Rome, Italy. (May 13, 2012)
- 2012 “Veno-Venous ECMO: Complications and Management,” First Annual Congress Euro-ELSO, Rome, Italy. (May 13, 2012)
- 2012 “ECMO Physiology” Geisinger ECMO Conference; Danville, PA (August 20, 2012)
- 2012 “Introduction and History of ECMO,” Geisinger ECMO Conference; Danville, PA (August 20, 2012)
- 2012 “ECMO Team” Geisinger ECMO Conference; Danville, PA (August 21, 2012)
- 2012 “ECMO Transport” Geisinger ECMO Conference; Danville, PA (August 21, 2012)
- 2012 “Who are we? ELSO Simulation Survey Results,” 23rd Annual ELSO Conference. Pre-conference Symposium, State of the Art: ECMO Simulation. Seattle, WA (September 13, 2012)
- 2012 “How to set up an ECMO Simulator on a Budget. Programming the Laerdal Monitor Software”, 23rd Annual ELSO Conference; Pre-conference Symposium, State of the Art: ECMO Simulation. Seattle, WA (September 13, 2012)
- 2012 “Lessons Learned: Summary and Overview of a Busy Two Days”, 23rd Annual ELSO Conference. Pre-conference Symposium, State of the Art: ECMO Simulation. Seattle, WA (September 14, 2012)
- 2012 “ECMO Transports,” ELSO VV ECMO for Adult Respiratory Failure; Atlanta, GA (November 11, 2012)
- 2013 “Bedside Care of an ECMO Patient,” ELSO Neonatal/Pediatric ECMO Training Course. Nemours Alfred I duPont Hospital for Children; Wilmington, DE. (January 30, 2013)
- 2013 “ECMO Team & Transport on ECMO,” ELSO Neonatal/Pediatric ECMO Training Course. Nemours Alfred I duPont Hospital for Children;

- Wilmington, DE. (January 30, 2013)
- 2013 “Ethics of Rationing Healthcare and ECLS Case Discussions,” Panel Member: Dr. Ogino. 29th Annual CNMC Symposium; ECMO & the Advanced Therapies for Respiratory Failure; Keystone, CO (February 25, 2013)
- 2013 “How to teach ECMO to an adult,” EURO-ELSO; Stockholm, Sweden. (May 9, 2013)
- 2013 “Training for E-CPR: programme & scenario development,” Euro-ELSO; Stockholm, Sweden (May 10, 2013)
- 2013 “How to make an ECMO Simulator without spending lots of money,” Euro-ELSO; Stockholm, Sweden (May 10, 2013)
- 2013 “Interactive Simulation: Test your knowledge and skills,” Euro-ELSO; Stockholm, Sweden (May 10, 2013)
- 2013 “Updates of ELSO Activities,” 23rd Annual SEECMO Conference; Little Rock, Arkansas (May 19, 2013)
- 2013 “Practical Tips for Avalon Bicaval ECMO Catheter Insertion,” St. Christopher’s Hospital for Children; Philadelphia, PA (June 3, 2013)
- 2013 “Respiratory Failure in the Newborn,” Latin America ECMO Course, Bucaramanga, Colombia (June 11, 2013)
- 2013 “Training and Education at an ECMO Center,” Latin America ECMO Course, Bucaramanga, Colombia (June 13, 2013)
- 2013 “Crisis Management and Simulation,” Latin America ECMO Course, Bucaramanga, Colombia (June 13, 2013)
- 2013 “Implementation of an ECMO Program,” National Center for Child Health and Development, Grand Rounds; Tokyo, Japan (July 17, 2013)
- 2013 “Neonatal and Pediatric ECMO,” Okayama University Hospital; Okayama, Japan (July 18, 2013)
- 2013 “ECPR,” Okayama University Hospital; Okayama, Japan (July 18, 2013)
- 2013 “ECMO Cannulation,” Okayama University Hospital; Okayama, Japan (July 18, 2013)
- 2013 “ECMO Emergencies,” Tokyo Metropolitan Children’s Hospital; Tokyo, Japan (July 19, 2013)
- 2013 ECMO Simulations, Tokyo Metropolitan Children’s Hospital; Tokyo, Japan (July 19, 2013)
- 2013 “ECMO Education and the Role of Simulation,” 35th Annual Japan Society of Respiratory Care Medicine Congress; Tokyo, Japan (July 20, 2013)
- 2013 ECMO Simulations, 35th Annual Japan Society of Respiratory Care Medicine Congress; Tokyo, Japan (July 21, 2013)
- 2013 “ECMO Simulation for the Experienced Practitioner,” Seminar; New York-Presbyterian Hospital, University Hospital of Columbia and Cornell (August 2, 2013)
- 2013 “ECPR Simulations with Centrifugal Technology,” 24th Annual ELSO Pre Conference Symposium; Philadelphia, PA (September 19, 2013)
- 2013 “Adolescent ECMO Simulation,” 24th Annual ELSO Pre Conference

- Symposium; Philadelphia, PA (September 20, 2013)
- 2013 "Neonatal Respiratory Failure," ECMO Simulation Course: Asia Pacific-ELSO; Beijing, China (October 11, 2013)
- 2013 "Neonatal/Pediatric Case Reviews," ECMO Simulation Course: Asia Pacific-ELSO; Beijing, China (October 12, 2013)
- 2013 "Team Training," ECMO Simulation Course: Asia Pacific-ELSO; Beijing, China (October 13, 2013)
- 2013 "Extracorporeal Membrane Oxygenation (ECMO): Past, Present and Future," King Edwards Memorial Hospital; Bermuda (October 17, 2013)
- 2013 "ECMO," Physician Seminar at Bayhealth Medical Center/Kent General Hospital; Dover, DE (December 17, 2013)
- 2014 "ECMO," Neonatal Grand Round Lecture Series; Christiana Care Hospital; Newark, DE (January 14, 2014)
- 2014 "ECLS QI Session," Panel Moderator; 30th Annual CNHS Symposium: ECMO & the Advanced Therapies for Respiratory Failure; Keystone, CO (February 25, 2014).
- 2014 "ECMOjo: Microsimulation Training in ECMO"; Neonatal and Pediatric ECMO Training Course; SANIVET, Military Medical School, Rome, Italy (April 8, 2014)
- 2014 "The Congenital Diaphragmatic Hernia Neonate on ECMO: Management Dilemmas"; Neonatal and Pediatric ECMO Training Course; SANIVET, Military Medical School; Rome, Italy (April 9, 2014)
- 2014 "Respiratory support of ECMO," ECMO Simulation Course; Fuwai Cardiovascular Hospital; Peking Union Medical College; Beijing, China (April 25, 2014)
- 2014 "Patient Management," ECMO Simulation Course; Fuwai Cardiovascular Hospital; Peking Union Medical College; Beijing, China (April 26, 2014)
- 2014 "Veno-Venous ECMO," ECMO Simulation Course; Fuwai Cardiovascular Hospital; Peking Union Medical College; Beijing, China (April 27, 2014)
- 2014 "The Child's Brain on ECLS: Insights into Neurologic Effects, Outcome and Monitoring," Pediatric Academic Societies Meeting; Vancouver, British Columbia (May 3, 2014)
- 2014 "Introduction to ECMO Simulation"; VenoVenous ECMO for Adult Respiratory Failure, Latin American ELSO Training Course. Santiago, Chile (May 15, 2014)
- 2014 "How to set up a Simulation Program," Euro-ELSO 2014 & International Course on ECMO; Paris, France (May 22, 2014)
- 2014 "What kind of Nursing Model for an ECMO Program?" Panel Moderator; Euro-ELSO 2014 & International Course on ECMO; Paris France (May 23, 2014)
- 2014 "ECMO Simulator for Continuous Education"; Euro-ELSO 2014 & International Course on ECMO; Paris, France (May 23, 2014)
- 2014 "Introduction to ECMO Simulation," ELSO ECMO in Adult Critical Care Conference; Iowa City, Iowa (June 18, 2014)

- 2014 "ECMO Economics," ELSO ECMO in Adult Critical Care Conference; Iowa City, Iowa (June 21, 2014)
- 2014 "Physiology of ECMO," Siriraj International Conference in Medicine and Public Health; Bangkok, Thailand (July 22, 2014)
- 2014 "Weaning of ECMO," Siriraj International Conference in Medicine and Public Health; Bangkok, Thailand (July 22, 2014)
- 2014 "Simulation in ECMO Education," Siriraj International Conference in Medicine and Public Health; Bangkok, Thailand (July 22, 2014)
- 2014 "Neonatal and Pediatric ECMO," Siriraj International Conference in Medicine and Public Health; Bangkok, Thailand (July 23, 2014)
- 2014 "Introduction to ECMO Simulation," ELSO ECMO in Neonatal and Pediatric Critical Care; Seattle, WA (August 13, 2014)
- 2014 "Practical Simulation of ECLS on Patients on VV ECMO and VAD Support," XLI Annual ESAO Congress; Rome, Italy (September 17, 2014)
- 2014 Cardiac Assist Blood Trauma Session, Co-chairman; XLI ESAO Congress; Rome, Italy (September 18, 2014)
- 2014 "Introduction to ECMO Simulation," APELSO Adult ECMO Training Course; Hong Kong; (October 30, 2014)
- 2014 "Introduction to ECMO Simulation," Extracorporeal Life Support in Adult Critical Care; Atlanta, GA (November 12, 2014)
- 2015 Simulations; Principles and Practices for Extracorporeal Life Support; Hospital Dr. Rafael Angel Calderon Guardia-CCS; San Jose, Costa Rica (February 5-8, 2015)
- 2015 "ECMO Physiology," Principles and Practices for Extracorporeal Life Support; Hospital Dr. Rafael Angel Calderon Guardia-CCS; San Jose, Costa Rica (February 5, 2015)
- 2015 "Introduction to ECMO Simulation," Principles and Practices for Extracorporeal Life Support; Hospital Dr. Rafael Angel Calderon Guardia-CCS; San Jose, Costa Rica (February 6, 2015)
- 2015 "ECMO Training and Crisis Resource Management," Principles and Practices for Extracorporeal Life Support; Hospital Dr. Rafael Angel Calderon Guardia-CCS; San Jose, Costa Rica (February 7, 2015)
- 2015 "Blood Gas Interpretation on ECMO," Principles and Practices for Extracorporeal Life Support; Hospital Dr. Rafael Angel Calderon Guardia-CCS; San Jose, Costa Rica (February 7, 2015)
- 2015 "ECMO Transport," Principles and Practices for Extracorporeal Life Support; Hospital Dr. Rafael Angel Calderon Guardia-CCS; San Jose, Costa Rica (February 8, 2015)
- 2015 "Introduction to ECMO Simulation," ELSO ECMO in Adult Critical Care; Houston, Texas (April 15, 2015)
- 2015 "ECMO Team/Single Care Giver Model," ELSO ECMO in Adult Critical Care; Houston, Texas (April 17, 2015)
- 2015 "ECMO Simulation," Extracorporeal Membrane Oxygenation Course; Latin America ELSO, VV ECMO in Adult Respiratory Failure; Santiago,

- Chile, (April 28, 2015)
- 2015 “Simulation Education in ECMO Training,” Clinica las Condes, Anesthesia Grand Rounds; Santiago, Chile (April 29, 2015)
- 2015 “ELSO Mission and Vision,” Clinica las Condes, Anesthesia Grand Rounds; Santiago, Chile (April 29, 2015)
- 2015 “ECLS Advances in Critical Care Medicine,” Heart Center Grand Rounds; King Faisal Specialist Hospital & Research Center; Saudi Arabia (May 28, 2015)
- 2015 “ECMO Simulation: Practical Practice,” International Congress on ECMO; Paris, France (June 25, 2015)
- 2015 “Simulation: The Future of Continuous Education?” International Congress on ECMO; Paris, France (June 25, 2015)
- 2015 “Outcomes after Pediatric ECMO,” International Congress on ECMO; Paris, France (June 26, 2015)
- 2015 “ECMO for Complicated Pediatric Cardiac Surgery,” International Congress on ECMO; Paris, France (June 26, 2015)
- 2015 “Too premature or too little for ECMO: Where do we draw the line and why?” Asia Pacific Chapter of Extracorporeal Life Support Organization (APELSO); Kyoto, Japan (July 18, 2015)
- 2015 ECMO Simulation; Asia Pacific Chapter of Extracorporeal Life Support Organization (APELSO); Kyoto, Japan (July 18, 2015)
- 2015 “Dummies for Higher Education ECMO Simulation,” 6th International Pediatric Perfusion Society; Miami, FL (June 16-18, 2015)
- 2015 “Introduction to Simulation and Crisis Resource Management,” 1st ELSO Latin America ECMO and Ventricular Assist for Cardiogenic Shock; Bucaramanga, Colombia (November 4, 2015)
- 2015 “Medical Patient Management in VA ECMO,” 1st ELSO Latin America ECMO and Ventricular Assist for Cardiogenic Shock; Bucaramanga, Colombia (November 5, 2015)
- 2016 “Scenarios and Troubleshooting on ECMO,” 3rd Annual ELSO SWAC Pre Conference Workshop; Abu Dhabi, UAE (March 16, 2016)
- 2016 “Outcome on ECLS,” Moderator; 3rd Annual ELSO SWAC; Abu Dhabi, UAE (March 19, 2016)
- 2016 “Training and Simulation during ECLS,” 3rd Annual ELSO SWAC; Abu Dhabi, UAE (March 19, 2016)
- 2016 “Simulation Educational Theory and Adult Learning Model,” VV ECMO for Adult Respiratory Failure Latin American ELSO Training Course. Santiago, Chile (May 2, 2016)
- 2016 “Practical Aspects of Debriefing,” VV ECMO for Adult Respiratory Failure Latin American ELSO Training Course. Santiago, Chile (May 3, 2016)
- 2016 “Introduction to ECMO Simulation,” VV ECMO for Adult Respiratory Failure Latin American ELSO Training Course. Santiago, Chile (May 4, 2016)
- 2016 “Circuit Management,” VV ECMO for Adult Respiratory Failure Latin

- American ELSO Training Course. Santiago, Chile (May 5, 2016)
- 2016 “How to Set Up and Run a Sim Programme- Tips & Tricks,” Euro ELSO 2016; Glasgow, Germany (June 1, 2016)
- 2016 “Ethics: End of Life and ECMO; Pediatric ECMO,” TCS-ECMO International Congress; Paris, France (June 30, 2016)
- 2016 “Adult Learning Theory, Simulation/Situational Education, CRM,” ELSO Train the ECMO Trainer Course. Hamad International Training Center, Doha, Qatar (October 9, 2016)
- 2016 “Scenario Development,” ELSO Train the ECMO Trainer Course. ELSO Train the ECMO Trainer Course. Hamad International Training Center, Doha, Qatar (October 9, 2016)
- 2016 “Logistics of Planning an ECMO Course,” ELSO Train the ECMO Trainer Course. Hamad International Training Center, Doha, Qatar (October 10, 2016)
- 2016 “Current Status and Future Perspective of Neonatal and Pediatric ECMO,” 44th Japanese Association for Acute Medicine (JAAM); Tokyo, Japan (November 18, 2016)
- 2016 “Education and Training for ECMO Program, Up-To-Date,” Panel Member; 44th Japanese Association for Acute Medicine (JAAM); Tokyo, Japan (November 18, 2016)
- 2016 “ECMO Team: Education, Training & Simulation,” 2nd Latin America ELSO Conference; Cancun, Mexico (December 1, 2016)
- 2017 “The Small Circuit – Pump, Oxygenator, and Surface Coating,” 4th SWAC ELSO Conference; Doha, Qatar (February 17, 2017)
- 2017 “ECLS Quality Initiatives/Simulation,” Moderator. 33rd Annual ECMO & the Advanced Therapies for Respiratory Failure Conference; Keystone, CO (February, 27, 2017)
- 2017 “History of ECMO,” Latin America ELSO ECMO Training Course; Santiago, Chile (April 5, 2017)
- 2017 “Introduction to ECMO Simulation,” Latin America ELSO ECMO Training Course; Santiago, Chile (April 5, 2017)
- 2017 “Education and Training of Advanced Technologies: ECMO,” Cardiology Grand Rounds; Maastricht University Medical Center; Maastricht, Netherlands (May 3, 2017)
- 2017 “Training and Education,” 6th International Euro ELSO Congress; Maastricht, Netherlands (May 5, 2017)
- 2017 “How to Build a Successful ECMO Program,” TCS-ECMO International Congress; Paris, France (June 29, 2017)
- 2017 “The Neonate’s Brain on ECLS: Insights into Neurologic Effect and Outcomes,” TCS-ECMO International Congress; Paris, France (June 30, 2017)
- 2017 “Simulation Education Theory and Adult Learning Model,” ECMO Simulation: Train the Trainer Course; Heart Institute, University of Sao Paulo; Sao Paulo, Brazil (July 30, 2017).

- 2017 “Physiologic Monitor Programming and Set-up,” ECMO Simulation: Train the Trainer Course; Heart Institute, University of Sao Paulo; Sao Paulo, Brazil (July 30, 2017).
- 2017 “Scenario Development,” ECMO Simulation: Train the Trainer Course; Heart Institute, University of Sao Paulo; Sao Paulo, Brazil (July 30, 2017).
- 2017 “ECMO Physiology,” ELSO VV ECMO Training Course; Heart Institute, University of Sao Paulo; Sao Paulo, Brazil (August 1, 2017).
- 2017 Introduction to ECMO Simulation,” ELSO VV ECMO Training Course; Heart Institute, University of Sao Paulo; Sao Paulo, Brazil (August 1, 2017).
- 2017 “High Fidelity ECMO Simulation: Highlighting Complications of ECMO,” ECMO Society of India ECMO Workshop; Hyderabad, India (October 27, 2017).
- 2017 “ELSO: A Family Welfare: Vision for SWAC ELSO,” 8th Annual Conference of ECMO Society of India; Hyderabad, India (October, 28, 2017).
- 2017 “ECMO Education,” 8th Annual Conference of ECMO Society of India; Hyderabad, India (October 28, 2017).
- 2017 “Developing New ECMO Programs,” 8th Annual Conference of ECMO Society of India; Hyderabad, India (October, 28, 2017)
- 2017 “Developing New ECMO Programs,” 8th Annual Conference of ECMO Society of India; Hyderabad, India (October, 28, 2017)
- 2017 “Education and Training for ECMO,” 37th Annual Meeting of the Japanese Society for Clinical Anesthesia; Tokyo, Japan (November 3, 2017).
- 2017 Lecturer and Simulation Instructor. “ECMO Training Workshop,” 37th Annual Meeting of the Japanese Society for Clinical Anesthesia; Tokyo, Japan (November 4-5, 2017).
- 2017 “Why Simulation for ECMO Training?” ECMO Training Course; Sidra Medical and Research Center; Doha, Qatar (December 4, 2017)
- 2017 “VV ECMO Physiology” ECMO Training Course; Sidra Medical and Research Center; Doha, Qatar (December 5, 2017)
- 2017 “VA ECMO Physiology” ECMO Training Course; Sidra Medical and Research Center; Doha, Qatar (December 6, 2017)
- 2018 “Symposium on ECMO Learning and Troubleshooting through Simulation,” 5th Annual SWAC ELSO Conference; India Habitat Centre, New Delhi, India (January 18, 2018)
- 2018 “Simulation in ECMO Practice,” 5th Annual SWAC ELSO Conference; India Habitat Centre, New Delhi, India (January 19, 2018)
- 2018 “Drug Dosing and Pharmacokinetics during ECMO and CRRT,” 5th Annual SWAC ELSO Conference; India Habitat Centre, New Delhi, India (January 19, 2018)
- 2018 “VV ECMO Physiology,” ECMO Symposium and Training Workshop; IRCAD, Rio de Janeiro, Brazil (May 26, 2018)
- 2018 “Ethics in ECMO,” ECMO Symposium and Training Workshop; IRCAD,

- Rio de Janeiro, Brazil (May 29, 2018)
- 2018 "How to setup an ECMO Program," ECMO Symposium and Training Workshop; IRCAD, Rio de Janeiro, Brazil (May 29, 2018)
- 2018 "Neonatal ECMO Today," ECMO New Frontiers: Insight from Worldwide Experts; Santiago, Chile (April 17, 2018)
- 2018 "Physiology of Gas Exchange during Venous-arterial ECMO," 7th EuroELSO Pre-conference Basic Neonatal and Pediatric ECMO Course; Prague, Czech Republic (May 23, 2018)
- 2018 "Physiology of Gas Exchange during Venous-venous ECMO," 7th EuroELSO Pre-conference Basic Neonatal and Pediatric ECMO Course; Prague, Czech Republic (May 23, 2018)
- 2018 "Human Factors," 7th EuroELSO Pre-conference Basic Neonatal and Pediatric ECMO Course; Prague, Czech Republic (May 24, 2018)
- 2018 "ECMO in Congenital Diaphragmatic Hernia: the 7 Tenors Roundtable," 7th EuroELSO Congress on ECMO-ECLS; Prague, Czech Republic (May 25, 2018)
- 2018 "Does Education Improve ECMO Outcomes," 2nd Annual Meeting Chinese Society of Extracorporeal Life Support; Beijing, China (June 8, 2018)
- 2018 "Pediatric ECMO: Key Publications for 2017," 2nd Annual Meeting Chinese Society of Extracorporeal Life Support; Beijing, China (June 8, 2018)
- 2018 "Preventing Complications on ECMO," TCS-ECMO International Congress; Paris, France (June 29, 2018)
- 2018 "ELSO ECMO Education Curriculum," TCS-ECMO International Congress; Paris, France (June 29, 2018)
- 2018 "Foundations of Medical Training," Chinese Society of Critical Care Congress; Tianjin, China (September 7, 2018)
- 2018 "Introduction and Overview of ECLS," Turkey Society of Pediatric Emergency Medicine and Pediatric Critical Care Medicine, ECMO Symposium and Training Workshop; Cesme, Turkey (September 21, 2018)
- 2018 "History of ECMO," Turkey Society of Pediatric Emergency Medicine and Pediatric Critical Care Medicine, ECMO Symposium and Training Workshop; Cesme, Turkey (September 21, 2018)
- 2018 "ECMO Physiology," Turkey Society of Pediatric Emergency Medicine and Pediatric Critical Care Medicine, ECMO Symposium and Training Workshop; Cesme, Turkey (September 22, 2018)
- 2018 "Scenario Development for ECMO Training," Chinese Society of Extracorporeal Life Support and PLA General Hospital, Train the ECMO Trainer Course; Beijing, China (October 9, 2018)
- 2018 "ECMO History and Development in the World," Peoples Liberation Army General Hospital ECMO Symposium; Beijing, China (October 12, 2018)
- 2018 "Timeline of Achievements in ECMO," Great Wall International Cardiovascular Symposium; Beijing, China (October 12, 2018)
- 2018 "Anticoagulation Protocols in Pediatric ECMO," 3rd Latin America ELSO

- Conference; Santiago, Chile (November 12, 2018)
- 2018 “ELSO and Global ELSO Chapters: Expansion Challenges,” 3rd Latin America ELSO Conference; Santiago, Chile (November 12, 2018)
- 2018 “Timeline of ECMO: Past, Present, and Future,” A Year in Review 2018: Best ECMO Practice; Doha, Qatar (December 6, 2018)
- 2019 “Circuit Overview: ECMO Circuit Overview,” SWAAC ELSO 6th Annual Conference; Cairo, Egypt (January 15, 2019)
- 2019 “Simulation Overview,” SWAAC ELSO 6th Annual Conference; Cairo, Egypt (January 15, 2019)
- 2019 “Role of ELSO in ECLS Community,” SWAAC ELSO 6th Annual Conference; Cairo, Egypt (January 16, 2019)
- 2019 “New Quality Platform in ELSO 2019,” SWAAC ELSO 6th Annual Conference; Cairo, Egypt (January 18, 2019)
- 2019 “Indications and Challenges for Transporting Kids on ECMO,” SWAAC ELSO 6th Annual Conference; Cairo, Egypt (January 18, 2019)
- 2019 “Diversity and Inclusion. A Vision of ELSO Legacy and Future,” ELSO LATAM Mechanical Circulatory Support Course; Bucaramanga, Colombia (March 2, 2019)
- 2019 “Multidisciplinary Simulation Training- Does it Improve Outcomes?” 8th Annual EURO ELSO Conference; Barcelona, Spain (April 12, 2018)
- 2019 “ELSO Legacy,” ELSO ECMO Training Course; Santiago, Chile (May 4, 2019)
- 2019 “Harmony between the Art and Standards in ECLS Medicine,” 3rd Annual Meeting Chinese Society of Extracorporeal Life Support; Chengdu, China (June 2, 2019)
- 2019 “Where do we start?” ELSO 30th Annual Conference; Austin, Texas (September 13, 2019)
- 2019 Debate “All premature babies in cardiac arrest should undergo ECPR,” ELSO 30th Annual Conference; Austin, Texas (September 14, 2019)
- 2019 “ECMO Simulation Development,” CSECLS Pediatric ECMO Workshop; Beijing, China (August 31, 2019)
- 2019 “Pediatric ECMO in the United States,” Chinese Pediatric Intensivist Association Congress; Beijing China (September 28, 2019)
- 2019 “ELSO Partners in Excellence,” APELSO ECMO Training Course; Hong Kong China (October 14, 2019)
- 2019 “Child’s Brain on ECLS,” Qatar Critical Care Conference; Doha Qatar (October 30, 2019)
- 2019 “History and Overview of ECMO Physiology,” Asia Pacific ELSO Preconference; Bangkok, Thailand (November 20, 2019)
- 2019 “Neonatal VV ECMO” Asia Pacific ELSO Congress; Bangkok Thailand (November 21, 2019)
- 2019 Debate: “Should we cohort ECMO patients in one ICU? Babies to Adults?” Asia Pacific ELSO Congress; Bangkok Thailand (November 22, 2019)

2020	“ELSO – Partners in Excellence,” SWAAC ELSO 7 th Annual Conference; Johannesburg, South Africa (February 21, 2020)
2020	“Running the Show: ECMO Coordinator,” SWAAC ELSO 7 th Annual Conference; Johannesburg, South Africa (February 21, 2020)
2020	“Debate-Con: ECMO Should be Centralized,” SWAAC ELSO 7 th Annual Conference; Johannesburg, South Africa (February 21, 2020)
2020	“Meconium Aspiration,” SWAAC ELSO 7 th Annual Conference; Johannesburg, South Africa (February 22, 2020)
2020	“ELSO in the times of a Pandemic,” ELSO 31 st Annual Conference (September 25, 2020; virtual)
2020	“Neonatal and Pediatric ECMO: An Overview,” Indonesian ECMO Conference (November 6, 2020; virtual)
2020	Neonatal ECMO “Ask the Experts,” Chinese Neonatal Society ECMO Conference (November 14, 2020; virtual)
2021	“Neonatal ECMO for Respiratory Failure: Updates 2021,” Academy of Neonatal Nursing; (April 14-17, 2021; virtual)
2021	“Does size really matter in the delivery of excellence? Neonatal and Pediatric ECMO 2021,” University of Iowa Department of Pediatrics Grand Rounds; (May 28, 2021; virtual)
2021	“ECMO Program Development,” ELSO 32 nd Annual Conference; (September 30 – November 3, 2020; virtual)
2022	“History of ECLS and ECMO. Can we redirect?” SWAAC ELSO 8 th Annual Conference; Riyadh, Kingdom of Saudi Arabia (February 26, 2022)
2022	“ELSO – Welcome Address,” Egyptian Critical Care Summit; Cairo, Egypt. (March 29, 2022; virtual)
2022	“Future of ECMO,” ECMO in Hawai’i. Caring for our O’hana; Honolulu, HI (April 5, 2022)
2022	“Debriefing: the Good Judgment Method,” ELSO ECMO Train the Trainer Workshop; Barcelona, Spain (October 13, 2022)
2022	“COVID19 in ELSO,” ECMO Challenges 2022: Post COVID 19 Landscape; Poznan, Poland (October 21, 2022)
2022	“Anticoagulation in Neonatal ECMO,” 5th LATAM ELSO Congress; Lima, Peru. (November 18, 2022)
2023	“ECMO Training and Credentialing,” Saudi ECLS Conference: ECMO – Moving Forward; Jeddah, Saudi Arabia. (January 23, 2023)
2023	“Advances in Neonatal ECMO,” Saudi ECLS Conference: ECMO – Moving Forward; Jeddah, Saudi Arabia. (January 23, 2023)

Organizing Roles in Scientific Meetings:

1994	Program Chairman, Diagnosis and Treatment of Fetal & Neonatal Birth Defects: State of the Art. San Diego, CA
1994	Program Chairman, Single Ventricle Care in the Neonate. San Diego, CA

- 1994 Course Director, Cardiac Critical Care Conference, Children's Hospital and Health Center, San Diego, "Single Ventricle Care in the Neonate"
- 1995 Course Director and Lecturer, Diagnosis and Treatment of Fetal & Neonatal Birth Defects: State of the Art, I and II Children's Hospital and Health Center, San Diego.
- 1995 Course Director and Lecturer, Single Ventricle Care in the Neonate. Children's Hospital and Health Center, San Diego
- 1995 Course Director, Cardiac Critical Care Conference, Children's Hospital and Health Center, San Diego. "Recognition, Stabilization, and Management of the Neonate with Congenital Heart Disease"
- 2001 Program Committee, Diagnosis and Treatment of Heart Disease in Infants and Children II. San Diego, CA
- 2003 Planning Committee Member, American Academy of Pediatrics District VIII Annual Conference on Neonatal and Perinatal Medicine. Honolulu, HI
- 2007 Program Chairman, Hanuola ECMO Training Course. Honolulu, HI
- 2007 Course Co-Director and Preceptor, Assessment and Intervention for Pediatric Patients in Emergency Situations High Fidelity Simulation Lab; Honolulu, HI
- 2008 Program Chairman, Hanuola ECMO Training Course. Honolulu, HI
- 2008 Planning committee member, Kaiser Permanente CME Course, "Feeding the Preterm Infant in the NICU and Post Discharge: Achieving Better Outcomes." Honolulu, HI
- 2010 Co-Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO Course. Portland, OR (July 2010)
- 2010 Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO Simulation Workshop, Portland, OR (July 2010)
- 2010 Co-Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO Course. Atlanta, GA (October 2010)
- 2010 Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO Simulation Workshop, Atlanta, GA (October 2010)
- 2011 Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO Course and Simulation Workshop. San Antonio, TX. (March 2011)
- 2011 Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO Course and Simulation Workshop, Houston, TX. (November 2011)
- 2012 Chair, ECMO Simulation Pre-Conference Planning Committee, ECMO & the Advanced Therapies for Respiratory Failure, Keystone, CO. (March 2012)
- 2012 Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO Course and Simulation Workshop, Atlanta, GA. (April 2012)
- 2012 Chair, "ECMO Education Corner" Planning Committee, 1st Euro-ELSO Conference, Rome, Italy. (May 2012)
- 2012 Chair, ECMO Simulation Pre-Conference Planning Committee, ELSO Annual Meeting, Seattle, WA. (September 2012)
- 2012 Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO

- Course and Simulation Workshop, Atlanta, GA. (November 2012)
- 2013 “ECMO Education Corner,” Planning Committee; 2nd Euro-ELSO Conference, Stockholm, Sweden. (May 2013)
- 2013 Chair, Conference Planning Committee, ELSO Adult Venovenous ECMO Course and Simulation Workshop, Honolulu, HI. (June 2013)
- 2013 Pre Conference Planning Committee, ELSO Annual Meeting; Philadelphia, PA (September 2013)
- 2013 Planning Committee, Asia Pacific ELSO (APELSO); Beijing, China (October 2013).
- 2013 Chair, Conference Planning Committee, ELSO ECMO for Adult Critical Care Course and Simulation Workshop; Atlanta, GA (November 6-9, 2013)
- 2014 Chair, Conference Planning Committee, ELSO ECMO for Adult Critical Care Course and Simulation Workshop; Iowa City, IA (June 18-21, 2014)
- 2014 Chair, Conference Planning Committee, ELSO ECMO for Neonatal and Pediatric Critical Care Course and Simulation Workshop; Seattle, WA (August 13-16, 2014)
- 2014 Chair, Conference Planning Committee, ELSO ECMO Simulation: Train the Trainer Course. Wilmington DE (October 8-10, 2014)
- 2014 Chair, Conference Planning Committee, ELSO ECMO for Adult Critical Care Course and Simulation Workshop; Atlanta, GA (November 12-15, 2014)
- 2014 International Planning Committee member; XLI ESAO Congress; Rome, Italy (September 17-20, 2014)
- 2015 Chair, Conference Planning Committee, ELSO ECMO for Adult Critical Care Course and Simulation Workshop; Houston, TX (March, 2015)
- 2015 Conference Organizing Committee member; Asia Pacific ELSO 2015; Kyoto, Japan (July 17-19, 2015).
- 2016 Program Director, Johns Hopkins Extracorporeal Life Support (ECLS) Learning Lab. John Hopkins Armstrong Institute for Patient Safety and Quality; Baltimore, MD (April 25, 2016)
- 2016 Co-Chair, “Transport: Setting Up a Mobile Team,” Session; TCS-ECMO International Conference; Paris, France (July 1, 2016)
- 2016 Program Director, Train the ECMO Trainer Course; Hamad International Training Center, Doha, Qatar (October 6-11, 2016)
- 2016 Program Director, Asia Pacific ELSO, Adult VV ECMO Training Workshop; Nippon Medical School Hospital; Tokyo, Japan (November 19-20, 2016)
- 2017 Co-Director, 4th SWAC ELSO Conference, Pediatric ECMO Simulation Workshop; Doha Qatar (February 15-16, 2017)
- 2017 Chair, 6th International Euro ELSO Congress Simulation in ECMO Workshop; Maastricht, Netherlands (May 6, 2017)
- 2017 Program Director, ECMO Simulation: Train the Trainer Course; Heart Institute, University of Sao Paulo; Sao Paulo, Brazil (July 30-31, 2017).

- 2017 Co-Chair, ELSO VV ECMO Course; Heart Institute, University of Sao Paulo; Sao Paulo, Brazil (August 1-4, 2017)
- 2017 Planning Committee Member, ECMO Simulation Workshop, 8th Annual ECMO Society of India Conference; Hyderabad, India (October 26-27, 2017)
- 2017 Co-Chair, VV ECMO Workshop, 37th Annual Japan Society of Clinical Anesthesia Conference; Tokyo, Japan (November 4-5, 2017)
- 2017 Planning Committee Member, Mechanical Circulatory Support and Advanced Hemodynamic Physiology Course; FCV International Hospital of Colombia; Bucaramanga, Colombia (November 16-19, 2017)
- 2017 Chair, ECMO Training Course; Sidra Medical and Research Center; Doha, Qatar (December 4-7, 2017)
- 2018 Planning Committee Member, 5th Annual SWAC ELSO Conference; India Habitat Centre, New Delhi, India (January 18-21, 2018)
- 2018 Conference Co-chairman, ECMO Symposium and Training Workshop, IRCAD, Rio de Janeiro, Brazil (May 26-29, 2018)
- 2018 Chair, ELSO Education Task Force (ECMOed), Santiago, Chile (April 15-17, 2018)
- 2018 Co-director, EuroELSO NeoPeds ECMO Workshop, Prague, Czech Republic (May 23-24, 2018)
- 2018 Co-director, Chinese Society of Extracorporeal Life Support (CSECLS), ECMO Symposium and Workshop, Beijing, China (June 7-8, 2018)
- 2018 Director, Turkey Society of Pediatric Emergency Medicine and Pediatric Critical Care Medicine, ECMO Symposium and Training Workshop, Cesme, Turkey (September 21-23, 2018)
- 2018 Co-director, Chinese Society of Extracorporeal Life Support (CSECLS) and Peoples Liberation Army 301 Hospital, ECMO Symposium and Workshop, Beijing, China (September 10-11 and September 13-14, 2018)
- 2018 Co-director, Chinese Society of Extracorporeal Life Support (CSECLS), ECMO Symposium and Workshop, Nanning, China (December 15-16, 2018)
- 2019 Program director, South West Asia & Africa ELSO (SWAAC ELSO) Preconference, Adult VV ECMO Workshop, Cairo, Egypt (January 15, 2019)
- 2019 Co-director, Chinese Society of Extracorporeal Life Support (CSECLS), ECMO Symposium and Workshop, Chengdu, China (June 18-19, 2019)
- 2019 Course Director, Qatar Critical Care Conference, ECMO Simulation by ELSO, Doha Qatar (October 29, 2019)
- 2020 Abstract Committee, Keystone ECMO & the Advanced Therapies for Cardiovascular and Respiratory Failure, (February 2020)
- 2021 Abstract Committee, Keystone ECMO & the Advanced Therapies for Cardiovascular and Respiratory Failure, (February 2021)
- 2022 Abstract Committee, Keystone ECMO & the Advanced Therapies for Cardiovascular and Respiratory Failure, (February 2022)

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1. **Ogino MT**, Kopotic RJ, Mannino FL. Moisture conserving efficiency of condenser humidifiers. *Anesthesia* 1985; 40:990-5.
2. Mattrey RF, Brown JJ, Shelton RE, **Ogino MT**, Johnson KK, Mitten RM. Use of perfluorocytbromide (PFOB) to detect liver abscesses with CT: Safety and efficacy. *Invest Radiology* 1991; 26:792-8.
3. **Ogino MT**, Dankner WM, Spector SA. Development and significance of zidovudine resistance in children infected with human immunodeficiency virus. *J Pediatr* 1993; 123:1-8.
4. Spenser Jr LT, **Ogino MT**, Dankner WM, Spector SA. Clinical significance of human immunodeficiency virus type 1 phenotypes in infected children. *J Infect Dis* 1994; 169:491-5.
5. Uzark K, Frederick C, Lamberti JL, Worthen HM, **Ogino MT**, Mainwaring RD, Moore JW. Changing practice patterns for children with heart disease: A clinical pathway approach. *American Journal of Critical Care* 1998; 7:101-105.
6. Tabak B, Elliott CL, Mahnke CB, Tanaka LY, **Ogino MT**. Transthoracic echocardiography visualization of bicaval dual lumen catheters for veno-venous extracorporeal membrane oxygenation. *J Clin Ultrasound* 2012; 40(3):183-186. doi: 10.1002/jcu.21873
7. Alapati D, Aghai ZH, Hossain MJ, Dirnberger DR, **Ogino MT**, Shaffer TH. Lung Rest during Extracorporeal Membrane Oxygenation for Neonatal Respiratory Failure—Practice Variations and Outcomes. *Pediatric Critical Care Medicine* 2017 Jul 1; 18(7):667-74.
8. Capatos G, Burke CR, **Ogino MT**, Lorusso RR, Brogan TV, McMullan DM, Dalton HJ. Venovenous extracorporeal life support in patients with HIV infection and Pneumocystis jirovecii pneumonia. *Perfusion* 2018 Mar 1; 0267659118765595.
9. Raffa GM, Kowalewski M, Brodie D, **Ogino M**, Whitman G, Meani P, Pilato M, Arcadipane A, Delnoj T, Natour E, Gelsomino S, Maessen J, Lorusso R. Meta-Analysis of Peripheral or Central ECMO in Postcardiotomy and Non-Postcardiotomy Shock. *The Annals of Thoracic Surgery* 2018, doi: 10.1016/j.athoracsur.2018.05.063
10. Wang L, Yang F, Wang X, Xie H, Fan E, **Ogino M**, Brodie D, Wang H, Hou X. Predicting Mortality in Patients Undergoing VA ECMO after Coronary Artery Bypass Grafting: REMEMBER Score. *Critical Care* 2019, 23:11. doi: 10.1186/s13054-019-2307y
11. Alsalemi A, Tanaka L, **Ogino M**, Disi MA, Alhomsy Y, Bensaali F, Alinier G. A skills acquisition study on ECMOjo: a screen-based simulator for extracorporeal membrane

- oxygenation. *Perfusion*, January 2019, doi: 10.1177/0267659119859120. PMID 30635022.
12. Zakhary B, Shekar K, Diaz R, Badulak J, Johnston L, Roeleveld PP, Alinier G, Lai PC, Ramanathan K, Moore E, Hassan I, et al. **Ogino MT** (senior author) Position Paper on Global Extracorporeal Membrane Oxygenation Education and Educational Agenda for the Future: A Statement From the Extracorporeal Life Support Organization ECMOed Taskforce. *Critical Care Medicine*. 2019 Dec 11. PMID: 30161071
 13. Brogan TV, Thiagarajan RR, Lorusso R, McMullan DM, Di Nardo M, **Ogino MT**, Dalton HJ, Burke CR, Capatos G. The use of extracorporeal membrane oxygenation in human immunodeficiency virus–positive patients: a review of a multicenter database. *Perfusion*. 2020 Mar 6:0267659120906966.
 14. Wang L, Yang F, Zhang S, Li C, Du Z, Rycus P, Tonna JE, Alexander P, Lorusso R, Fan E, **Ogino M**, Brodie D, Combes A, Chen YS, Qiu H, Peng Z, Fraser JF, Shao J, Jia M, Wang H, Hou X. Percutaneous versus surgical cannulation for femoro-femoral VA-ECMO in patients with cardiogenic shock: Results from the Extracorporeal Life Support Organization Registry. *J Heart Lung Transplant*. 2022 Apr;41(4):470-481. doi: 10.1016/j.healun.2022.01.009. Epub 2022 Jan 10. PMID: 35125287.
 15. Li Bassi G, Suen JY, White N, Dalton HJ, Fanning J, Corley A, Shrapnel S, Hinton S, Forsyth S, Parsons R, Laffey JG, Fan E, Bartlett R, Brodie D, Burrell A, Chiumello D, Elhazmi A, Grasselli G, Hodgson C, Ichiba S, Luna C, Marwali E, Merson L, Murthy S, Nichol A, Panigada M, Pelosi P, Torres A, Ng PY, **Ogino M**, Fraser JF. Assessment of 28-Day In-Hospital Mortality in Mechanically Ventilated Patients With Coronavirus Disease 2019: An International Cohort Study. *Crit Care Explor*. 2021 Nov 5;3(11):e0567. doi: 10.1097/CCE.0000000000000567. PMID: 34765979; PMCID: PMC8575423.
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 17. Li Bassi G, Suen JY, Dalton HJ, White N, Shrapnel S, Fanning JP, Lique B, Hinton S, Vuorinen A, Booth G, Millar JE, Forsyth S, Panigada M, Laffey J, Brodie D, Fan E, Torres A, Chiumello D, Corley A, Elhazmi A, Hodgson C, Ichiba S, Luna C, Murthy S, Nichol A, Ng PY, **Ogino M**, Pesenti A, Trieu HT, Fraser JF; COVID-19 Critical Care Consortium. An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. *Crit Care*. 2021 Jun 9;25(1):199. doi: 10.1186/s13054-021-03518-4. PMID: 34108029; PMCID: PMC8188162 .
 18. Early short course of neuromuscular blocking agents in patients with COVID-19 ARDS: a propensity score analysis. Li Bassi G, Gibbons K, Suen JY, Dalton HJ, White N, Corley A, Shrapnel S, Hinton S, Forsyth S, Laffey JG, Fan E, Fanning JP, Panigada M, Bartlett R, Brodie D, Burrell A, Chiumello D, Elhazmi A, Esperatti M, Grasselli G, Hodgson C, Ichiba S, Luna C, Marwali E, Merson L, Murthy S, Nichol A, **Ogino M**, Pelosi P, Torres A, Ng PY, Fraser JF; COVID-19 Critical Care Consortium. *Crit Care*. 2022 May 17;26(1):141. doi: 10.1186/s13054-022-03983-5. PMID: 35581612.
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- White N, Fanning JP, Obonyo N, Yamashita MH, Appadurai V, Ciullo A, May M, Worku ET, Helms L, Ohshimo S, Juzar DA, Suen JY, Bassi GL, Fraser JF, Arora RC; COVID-19 Critical Care Consortium Investigators. *BMC Cardiovasc Disord.* 2022 Mar 23;22(1):123. doi: 10.1186/s12872-022-02565-1. PMID: 35321649.
20. Percutaneous versus surgical cannulation for femoro-femoral VA-ECMO in patients with cardiogenic shock: Results from the Extracorporeal Life Support Organization Registry. Wang L, Yang F, Zhang S, Li C, Du Z, Rycus P, Tonna JE, Alexander P, Lorusso R, Fan E, **Ogino M**, Brodie D, Combes A, Chen YS, Qiu H, Peng Z, Fraser JF, Shao J, Jia M, Wang H, Hou X.J *Heart Lung Transplant.* 2022 Apr;41(4):470-481. doi: 10.1016/j.healun.2022.01.009. Epub 2022 Jan 10. PMID: 35125287.
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 23. Agasthya N, Froehlich CD, Golecki M, Meyer M, Ogino MT, Froehlich K, Beaty C, McCants S, Maul TM, Dirnberger DR. Single-Center Experience Using the Cardiohelp System for Neonatal and Pediatric Extracorporeal Membrane Oxygenation. *Pediatric Critical Care Medicine.* 2022 Dec 26:10-97.
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 25. Wang L, Yang F, Zhang S, Li C, Du Z, Rycus P, Tonna JE, Alexander P, Lorusso R, Fan E, Ogino M. Percutaneous versus surgical cannulation for femoro-femoral VA-ECMO in patients with cardiogenic shock: Results from the Extracorporeal Life Support Organization Registry. *The Journal of Heart and Lung Transplantation.* 2022 Apr 1;41(4):470-81.
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Research Publications, peer-reviewed reviews:

1. Richardson RK, Zupancic JA, Escobar G, **Ogino MT**, Pursley DM, Mugford M. A Critical Review of Cost-Reduction in Neonatal Intensive Care: I - The Structure of Costs. J Perinatology 2001; 21:107-115.
2. Richardson RK, Zupancic JA, Escobar G, **Ogino MT**, Pursley DM, Mugford M. A Critical Review of Cost-Reduction in Neonatal Intensive Care: II - Strategies for Reduction. J Perinatology 2001; 21:121-127.

Contributions to peer-reviewed clinical research publications, participation cited but not by authorship:

1. Lillehei CW, Talbet ML, Cleveland RH, Scully RE, et al. A 12 year boy with a long travel history and a hepatic mass - undifferentiated (embryonal) sarcoma of liver. N Engl J Med 1990; 322:1378-1385.
2. Heffner LJ, Roberts DJ, Nanowitz, M. A Premature Newborn Infant with Congenital Ascites. N Engl J Med 1997; 337: 260-267.

Research Publications, non-peer reviewed:

None

Abstracts (last 10 years)

1. Beaty C, Costa J, Dirnberger D, Froehlich C, **Ogino M**, Priest M. Awake Extracorporeal Membrane Oxygenation in Four Neonatal Patients. 27th Annual ELSO Conference, San Diego, CA. September 2016.
2. Beaty C, Costa J, Dirnberger D, Froehlich C, **Ogino M**, Priest M. Awake Extracorporeal Membrane Oxygenation in A Neonatal Patient with Respiratory Failure. 2nd Latin American ELSO Conference, Cancun, Mexico. December 2016.
3. Sin WC, Ngai CW, Mok YT, Chan WK, Lai CK, MacLaren G, **Ogino MT**. An ELSO/APELSO Developed ECMO Cannulation Model: An Overview of the Cannulation Workshop and the Evaluation of a Cannulation Course. Euro ELSO Conference, Maastricht, Netherlands. May 2017.
4. Phillips MR, Priest M, Beaty C, Parker R, Meyer M, Dunn S, Froehlich C, **Ogino M**, Martin, A, Dirnberger, D. The use of Extra-corporeal Membrane Oxygenation in a Pediatric Patient with Hepatopulmonary Syndrome and Interrupted Inferior Vena Cava after Living Related Liver Donation. 28th Annual ELSO Conference, Baltimore, MD. September 2017
5. Mathew S, **Ogino M**, Dirnberger D, Plymire C, Caywood E, Priest M, Beaty C, Meyer M, Frizzola M, Froehlich C. Hematopoietic Stem Cell Transplantation on Venous Arterial ECMO in a Pediatric Patient with Aplastic Anemia and Septic Shock. 28th Annual ELSO Conference, Baltimore, MD. September 2017
6. Alsalemi A, Al Disi M, Tanaka L, **Ogino M**. ECMOjo: A Computer Simulator for Extracorporeal Membrane Oxygenation (ECMO). 18th International Meeting on Simulation in Healthcare, Los Angeles, CA. January 2018

7. Agasthya N, Golecki M, Dirnberger D, Meyer M, Froehlich K, Beaty C, McCants S, Maul T, **Ogino M**, Froehlich C. Institutional experience using Cardiohelp® for neonatal and pediatric ECMO. 29th Annual ELSO Conference, Scottsdale, AZ. September 2018

Editorials, Reviews, Chapters, including participation in committee reports:

1. Tabbott S, Griswold WR, **Ogino MT**, Mendoza A, Allen JB, Reznik VM. Multiple thromboses in the premature infant of a mother with a phospholipid antibody syndrome. *J of Perinatology* 1994; 14:66-70.
2. **Ogino MT**, editor. *Diagnosis and Treatment of Fetal and Neonatal Birth Defects: State of the Art*; 1994 May 21; San Diego, 1994.
3. **Ogino MT**. *Respiratory Diseases of the Newborn*. In: Cronin JH, ed. *MGH Pediatrics Syllabus in Neonatology*. Boston, 1997.
4. **Ogino MT**. *Chronic Lung Disease*. In: Finberg L, Kleinman RE, editors. *Saunders Manual of Pediatric Practice*, second edition. Philadelphia: WB Saunders, Co.; 2002, pp 84-87.
5. **Ogino MT**. *Cardiovascular Disorders*. In: Finberg L, Kleinman RE, editors. *Saunders Manual of Pediatric Practice*, second edition. Philadelphia: WB Saunders, Co.; 2002, pp 90-97.
6. **Ogino MT**. *The Advantages of a New Technology Pulse Oximeter in Neonatal Care*. *Neonatal Intensive Care* 2002; 15:24-27.
7. Mugford M, Richardson DK, Zupancic JAF, Escobar GJ, **Ogino MT**, Pursley DM. Re: A Critical Review of Cost Reduction in Neonatal Intensive Care: The ethics of cost reduction. *J Perinatology* 2002; 22:336-37. (Letter).
8. **Ogino MT**. *Air Leak Syndrome*. In Cloherty, JP, Eichenwald EC, Stark AR, editors. *Manual of Neonatal Care*, fifth edition. Boston: Little, Brown and Co.; 2004, pp 371-377.
9. Movalia MK, **Ogino MT**. *Point of Care Glucose Testing in Neonatal Hypoglycemia*. *Point of Care: The Journal of Near-Patient Testing & Technology* 2006; 5(3):95-99.
10. **Ogino MT**, Chui J, Short B. *ECMO Administrative and Training Issues*. *Sustaining Quality*. In Annich G, Lynch W, MacLaren G, Wilson J, Bartlett R, editors. *ECMO Extracorporeal Cardiopulmonary Support in Critical Care*, fourth edition. Ann Arbor MI; ELSO, 2012, pp 479-498.
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12. MacLaren G, Dodge-Khatami A, Dalton HJ, Adachi I, Almodovar M, Annich G, Bartlett R, Bronicki R, Brown K, Butt W, Cooper D, Demuth M, D'Udekem Y, Fraser C, Guerguerian AM, Heard M, Horton S, Ichord R, Jaquiss R, Laussen P, Lequier L, Lou S, Marino B, McMullan M, **Ogino M**, Peek, G, Pretre R, Rodefeld M, Schmidt A, Schwartz S, Shekerdemian L, Shime N, Sivarajan B, Stiller B, Thiagarajan R. *Joint Statement on Mechanical Circulatory Support in Children: A Consensus review from the Pediatric*

- Cardiac Intensive Care Society and Extracorporeal Life Support Organization. *Pediatric Critical Care Medicine*. 2013 June;14(5 Suppl 1): S1-2.
13. Combes A, Brodie D, Bartlett R, Brochard L, Brower R, Conrad S, DeBacker D, Fan E, Ferguson N, Fortenberry J, Fraser J, Galtinoni L, Lynch W, MacLaren G, Mercat A, Mueller T, **Ogino MT**, Peek G, Pellegino V, Presenti A, Ranieri M, Slutsky A, Vuylsteke A, The International ECMO Network. Position Paper for the Organization of Extracorporeal Membrane Oxygenation Programs for Acute Respiratory Failure in Adult Patients. *American Journal of Respiratory and Critical Care Medicine*. 2014 September 1;190(5).
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 21. Phillips MR, Priest M, Beaty C, Parker R, Meyer M, Dunn S, Froehlich CD, Dirnberger DR, Martin AE, **Ogino MT**. Extracorporeal Membrane Oxygenation in a Pediatric Patient with Hepatopulmonary Syndrome and Interrupted Inferior Vena Cava After Living Related Liver Donation. *ASAIO Journal*. 2018 Apr 18.
 22. Dirnberger D, Yee A, Froehlich C, Beaty C, Priest M, Dunn S, **Ogino M**. Use of a modified neonatal-pediatric extracorporeal membrane oxygenation transport team model: a single center experience. *Perfusion*. 2018; 33(1S_Suppl):161.
 23. Diaz R, Agliati R, Lai PCK, Ramanathan K, Dhar A, **Ogino M**, Zakhary B. Simulation Cases. In Brogan TV, senior editor. *ECMO Specialist Training Manual*, fourth edition. Ann Arbor MI; ELSO, 2018, pp 289-303.
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Instructional Materials:

1. Author, MassGeneral Hospital for Children NICU House staff Orientation Manual. Boston, 1999.
2. Author, MassGeneral Hospital for Children NICU Clinical Fellow Orientation Manual. Boston, 1999.
3. Project Director, Haunola.com- website for Hawaii's ECMO Program.
4. Author and Editor, Hanuola ECMO Program of Hawaii Training Manual. Honolulu, 2007
5. Developer and Project Director, "ECMOjo" Web based simulator for ECMO training. www.ecmojo.sourceforge.com. 2008.
6. Writer and Executive Producer. Video: Developing High Fidelity Simulation Program for ECMO Training; Hanuola ECMO Program of Hawaii, 2011. (Haunola.com)
7. Developer and Project Director, Extracorporeal Life Support (ELSO) Website – redesigned website for ELSO. www.elsonet.org. June 2012.
8. First edition author, October 2010. ELSO Adult ECMO Simulation Workshop Instructor's Manual. Currently in the 8th edition, October 2018.

Books:

None

Alternative Media:

1. KHNL Television interview, June 6, 2007, "Heart-Lung Program Expands to Help More Kids"
2. Honolulu Star Bulletin article, June 7, 2007, "Kaiser built baby heart-and-lung device on the fly"
3. Honolulu Advertiser article, June 7, 2007, "Young kids will benefit from Kaiser efforts, too"
4. ESPN 1420 am "Thrive Live" Radio interview, June 13, 2007, "ECMO"
5. Wall Street Journal article, May 29, 2020, "In Critical Coronavirus Cases, Doctors Turn to Last-Ditch Lung Support"
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Patents:

1. Extracorporeal Membrane Oxygenation (ECMO) Transport Sled. Developed by the Hanuola ECMO Program of Hawaii and Kapiolani Medical Center. FAA 8110-3 Certification.
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