Disclosures of Relevant Financial Relationships

Nature of Relationship Key

- 1. No relevant financial relationships
- 2. Advisory Board Member
- 3. Consultant
- 4. Employee
- 5. Independent Contractor
- 6. Principal Investigator
- 7. Speaker Bureau
- 8. Stock Holder

Role at Meeting Key

- A. Abstract Author
- F. Faculty
- P. Planner
- R. Reviewer

Disclosure Policy

It is the policy of the Society of Cardiovascular Anesthesiologists (SCA) that the planners, faculty, and reviewers disclose the existence of any relevant financial relationships in any amount that they or their spouse or significant other has with the manufacturer(s) of any commercial product(s) or services relating to the topics presented in the educational activity. SCA also requires disclosure of the intent to discuss unlabeled uses of a commercial product or investigational use of a product not yet approved for this purpose. It is the responsibility of the Scientific Program Committee to review relevant financial disclosures as submitted in the disclosure form and resolve relevant conflicts of interest. Resolving the conflict ensures that the content of the activity is aligned with the interests of the public. Detailed disclosure information will be made available to attendees, who will also be informed when no relevant financial relationships exist.

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St. Elizabeth Medical Center

Lexington, MA Disclosure(s): 1

Role(s) at the meeting: A

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Charleston, SC

Disclosure(s): Pharmedium, 6 Role(s) at the meeting: F, R

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University of Wisconsin

Madison, WI

Disclosure(s): 1

Role(s) at the meeting: F

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Anesthesiology Resident

University of Nebraska Medical Center

Omaha, NE

Disclosure(s): 1

Role(s) at the meeting: A

Shvetank Agarwal, MD

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Augusta, GA
Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: A

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Fellow

Oregon Health and Science University

Portland, OR

Disclosure(s): 1

Role(s) at the meeting: A

Wesley Allen, MD

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Role(s) at the meeting: A

Cory Alwardt, PhD CCP

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): ETView Medical, 2

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

Paul C. Anderson, MD

Fellow

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Cleveland, OH

Disclosure(s): Athersys Inc., 7; Gilead

Sciences Inc., 7; Isoray, 7; Progenics

Pharmaceuticals, 7; Synergy Pharma-

ceuticals, 7

Role(s) at the meeting: A

Dean B. Andropoulos, MD

Professor and Chief of Pediatric Anes-

thesiology

Baylor College of Medicine, Texas

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Disclosure(s): 1

Role(s) at the meeting: F

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Rochester, NY

Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Vancouver, BC

Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: A

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Texas Heart Institute, St. Luke's Episco-

pal Hospital

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F

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Jackson Memorial Health System/Uni-

versity of Miami

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): Grifols, 3; Summus Medi-

cal Inc., 2; The Medicines Company, 3

Role(s) at the meeting: F

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Medicine

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Disclosure(s): 1

Role(s) at the meeting: F

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Cleveland, OH

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

Joshua Augustin, DO

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Cleveland, OH

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): Juniper Consulting

Group, Inc., 3; Tem Innovations

GmbH, 3

Role(s) at the meeting: F

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Graduate, Medical Education

University of Texas Health Science

Center

Houston, TX

Disclosure(s): 1

Role(s) at the meeting: A

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University of California, Davis Medical

Center

Sacramento, CA

Disclosure(s): 1

Role(s) at the meeting: A

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ment of Anesthesia

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Charite

Berlin, Germany

Disclosure(s): Clearflow, Inc., 7

Role(s) at the meeting: A

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Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: F

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Cleveland Clinic Foundation

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Role(s) at the meeting: A

Karsten Bartels, MD

University of Colorado, Denver

Denver, CO Disclosure(s): 1

Role(s) at the meeting: F

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Galveston, TX Disclosure(s): 1

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Worcester, MA Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: F

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Adult Cardiothoracic Anesthesia

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Role(s) at the meeting: A

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Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F, P

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Disclosure(s): 1

Role(s) at the meeting: F

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Milwaukee, WI

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): St. Jude Medical, 7

Role(s) at the meeting: F

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Zagreb, Croatia

Disclosure(s): Lecturer—Edwards

Role(s) at the meeting: A

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Medicine

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Disclosure(s): 1

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Baltimore, MD Disclosure(s): 1

Role(s) at the meeting: F

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Role(s) at the meeting: A

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Role(s) at the meeting: F

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Disclosure(s): 1

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Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Springfield, IL

Disclosure(s): Paccar, 3 Role(s) at the meeting: A

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Role(s) at the meeting: A, F

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Role(s) at the meeting: A

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Role(s) at the meeting: A

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Disclosure(s): ETView Medical, 2

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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San Juan, PR

Disclosure(s): 1

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Robert Wood Johnson Medical School

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Disclosure(s): 1

Role(s) at the meeting: A

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Center

Jackson, MS

Disclosure(s): 1

Role(s) at the meeting: A

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Rochester, MN

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Medical University of South Carolina

Charleston, SC

Disclosure(s): 1

Role(s) at the meeting: A

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New York-Presbyterian Hospital/Weill

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Disclosure(s): 1

Role(s) at the meeting: A

Sherry Chang, MD

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Disclosure(s): 1

Role(s) at the meeting: A

Chen T. Chau, MD

University of Minnesota

Minneapolis, MN

Disclosure(s): 1

Role(s) at the meeting: A

Yian Chen, MD

Johns Hopkins University School of

Medicine

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Disclosure(s): 1

Role(s) at the meeting: A

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University of Western Ontario

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Disclosure(s): 1

Role(s) at the meeting: F

Anne Cherry, MD

Assistant Professor

Duke University Medical Center

Durham, NC

Disclosure(s): 1

Role(s) at the meeting: A

Shane V. Cherry, MD

University of Miami/Jackson Memorial

Hospital

Miami, FL

Disclosure(s): 1

Role(s) at the meeting: A

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Assistant Professor of Anesthesiology

University of Texas Southwestern Med-

ical Center

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Disclosure(s): 1

Role(s) at the meeting: F

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Stanford, CA

Disclosure(s): 1

Role(s) at the meeting: F

Sophia Chew, MBBS MMED FANZCA

Singapore

Disclosure(s): 1

Role(s) at the meeting: F

Warren Choi, MD

University of Texas Southwestern Med-

ical Center

Dallas, TX

Disclosure(s): 1

Role(s) at the meeting: A

Jonathan Chow, MD

University of Maryland

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Disclosure(s): 1

Role(s) at the meeting: A

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University of Miami Hospital/Jackson

Memorial Hospital

Miami Beach, FL

Disclosure(s): 1

Role(s) at the meeting: A

Evan Chriss, MD

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Disclosure(s): 1

Role(s) at the meeting: A

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Emory University School of Medicine

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Disclosure(s): 1

Mabel Chung, MD

Massachusetts General Hospital

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

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University of North Carolina at Chapel

Hill

Chapel Hill, NC

Disclosure(s): 1

Role(s) at the meeting: A

Frederick C. Cobey, MD MPH FASE

Tufts Medical Center

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A, R

Takumi Codere Maruyama, MD MSc FRCPC

University of Alberta Hospital

Edmonton, AB, Canada

Disclosure(s): 1

Role(s) at the meeting: A

C. David Collard, MD MS

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Texas Heart Institute—Baylor St. Luke's

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Disclosure(s): 1

Role(s) at the meeting: F, P

Jackson Condrey, MD

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Disclosure(s): 1

Role(s) at the meeting: A

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Lahey Hospital & Medical Center

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Disclosure(s): 1

Role(s) at the meeting: F

Lebron Cooper, MD

Professor and Chair of Anesthesiology

University of Tennessee Health Sci-

ence Center

Memphis, TN

Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

Andrew J. Crabbe, MD

University of Maryland School of Med-

icine

Baltimore, MD

Disclosure(s): 1

Role(s) at the meeting: A

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New York, NY

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Professor

Texas A&M University College of

Medicine

Temple, TX

Disclosure(s): Patent rights in medical

safety devices—Self

Role(s) at the meeting: F, P

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Duke University Health System

Durham, NC

Disclosure(s): 1

Role(s) at the meeting: A

Clifford Cutchins, MD

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Gainesville, FL

Disclosure(s): 1

Role(s) at the meeting: A

Draginja Cvetkovic, MD

Advanced Physician Services West-

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New York, NY

Disclosure(s): 1

Role(s) at the meeting: F

Michelle E. DaCosta, MD

Washington University in St Louis

St Louis, MO

Disclosure(s): 1

Role(s) at the meeting: A

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Virginia Mason Medical Center

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

Scott Davis, MD

Clinical Instructor

Thomas Jefferson University Hospital

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F, P

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Disclosure(s): 1

Role(s) at the meeting: R

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Disclosure(s): 1

Role(s) at the meeting: F

Julie E. DeVore, DO MPH

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Disclosure(s): 1

Role(s) at the meeting: A

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Columbia University College of Physi-

cians

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Disclosure(s): Abiomed, Inc., 7; Heart-

ware, Inc., 3

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: R

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

Michael Dorbad, DO

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Clinical Assistant Professor

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Stanford, CA

Disclosure(s): 1

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Birmingham, AL Disclosure(s): 1

Role(s) at the meeting: F

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Cardiac Anesthesiology Fellow

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): Fresenius Kabi, 6

Role(s) at the meeting: R

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Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Denham S. Ward Professor and Chair

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Disclosure(s): 1

Role(s) at the meeting: P, R

Joseph K. Edwards, MD

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Disclosure(s): 1

Role(s) at the meeting: R

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Fundación Clínica Shaio

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): Editor of Book—IGI

Global

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Clinical Instructor

University of Vermont

Burlington, VT Disclosure(s): 1

Role(s) at the meeting: A

Robert S. Farivar, MD PHD

Chairman, Cardiothoracic Services.

Chief CT Surgery

Minneapolis Heart Institute—Abbott

Northwestern Hospital

Minneapolis, MN

Disclosure(s): 1

Role(s) at the meeting: F

Justin Farmer, MD

Fellow

Cleveland Clinic

Cleveland, OH

Disclosure(s): 1

Role(s) at the meeting: A

Landon Farris, MD

Resident

Northwestern Hospital

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: A

Jordan Fennema, MD

University of Michigan

Ann Arbor, MI

Disclosure(s): 1

Role(s) at the meeting: A

Lilibeth Fermin, MD MBA

Clinical Assistant Professor Anesthesi-

ology

University of Miami

Miami, FL

Disclosure(s): 1

Role(s) at the meeting: F

Rohesh J. Fernando, MD

University of Pennsylvania

Philadelphia, PA

Disclosure(s): 1

Role(s) at the meeting: A

Amelia Fiastro, MD

Fellow

University of Alabama at Birmingham

Birmingham, AL

Disclosure(s): 1

Role(s) at the meeting: A

Alan C. Finley, MD

Associate Professor

Medical University of South Carolina

Charleston, SC

Disclosure(s): ROTEM, 3

Role(s) at the meeting: A, R

Michael Fischbein, MD

Cardiothoracic Surgery Clinic

Stanford, CA

Disclosure(s): 1

Role(s) at the meeting: F

Matthew A. Fischer, MD

Cardiothoracic Anesthesiology Fellow

University of California, Los Angeles

Los Angeles, CA

Disclosure(s): 1

Role(s) at the meeting: A

Daniel Fitzpatrick, MD

Montefiore Medical Center

Brooklyn, NY

Disclosure(s): 1

Role(s) at the meeting: A

Nick N. Fletcher, MBBS FFICM FRCA

St. George's University Hospital

London, United Kingdom

Disclosure(s): Educational Course

Director-BARD

Role(s) at the meeting: F

Thomas F. Floyd, MD

Stony Brook University Health Center

Stony Brook, NY

Disclosure(s): Founder—NFOSYS, Inc

Role(s) at the meeting: F

Michael R. Foley, MD

Northwestern Memorial Hospital

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: A

Manuel Fontes, MD

Professor of Anesthesiology and

Critical Care

Yale University

New Haven, CT

Disclosure(s): 1

Role(s) at the meeting: A, F

Daniel Ford, MD

Fellow in Cardiothoracic

Anesthesiology

University of Pittsburgh Medical

Center

Pittsburgh, PA

Disclosure(s): 1

Role(s) at the meeting: A

Alexandra N. Fox, MD

University of Arizona

Tucson, AZ

Disclosure(s): 1

Role(s) at the meeting: A

Amanda Fox, MD MPH

Associate Professor, Division Chief

Cardiothoracic Anesthesia

University of Texas Southwestern Med-

ical Center

Dallas, TX

Disclosure(s): Textbook Editor-Elsevier,

Board of Directors—Roller Mania

Role(s) at the meeting: R, P

John A. Fox, MD

Director of Intraoperative Ultrasound

Brigham and Women's Hospital

Hanover, MA

Disclosure(s): 1

John M. Fox, MD

Medical University of South Carolina

Charleston, SC Disclosure(s): 1

Role(s) at the meeting: A

Mohamed Gaber, MD

Critical Care Fellow

Medical College of Georgia

Augusta, GA
Disclosure(s): 1

Role(s) at the meeting: A

Ashley Gabrielsen, DO

University of Massachusetts

Worcester, MA Disclosure(s): 1

Role(s) at the meeting: A

Carlos Galhardo, Jr., MD

Chief of Anesthesia Department

Unimed Rio Hospital

Rio De Janeiro, Brazil

Disclosure(s): 1

Role(s) at the meeting: F

Joseph Gallombardo, MD

Marlton, NJ

Disclosure(s): 1

Role(s) at the meeting: A

David J. Garcia, DO MS

Loyola University Medical Center

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: A

Susan Garwood, MD

Associate Professor

Yale University School of Medicine

New Haven, CT

Disclosure(s): 1

Role(s) at the meeting: A

Brian Gebhardt, MD MPH

Fellow

Tufts Medical Center

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Brian J. Gelfand, MD FACS

Associate Chair for Education, Pro-

gram Director

University of Florida

Gainesville, FL

Disclosure(s): 1

Role(s) at the meeting: F

George Gellert, MD

Banner Good Samaritan Cavanagh

Heart Center

Phoenix, AZ

Disclosure(s): Edwards Lifesciences

Critical Care, 3; Edwards Lifesciences

THV, 3; Medtronic HVT, 2; Medtronic

HVT, 3; Philips US, 3; The Medicines

Company, 7

Role(s) at the meeting: F

Theresa A. Gelzinis, MD

Associate Professor

University of Pittsburgh

Pittsburgh, PA

Disclosure(s): 1

Role(s) at the meeting: F

Andrew Gentilin, MD

Fellow

University of Pennsylvania Medical

Center

Pittsburgh, PA

Disclosure(s): 1

Role(s) at the meeting: A

Peter C. Gerst, DO

Resident

West Penn Allegheny Health Network

Pittsburgh, PA

Disclosure(s): 1

Role(s) at the meeting: A

Leah Geyer, MD

University of Cincinnati

Cincinnati, OH

Disclosure(s): 1

Role(s) at the meeting: A

Kamrouz Ghadimi, MD

Assistant Professor of Anesthesiology

Duke University Medical Center

Durham, NC

Disclosure(s): 1

Role(s) at the meeting: A, F

Andrew Ghobrial, MD

University of California, Los Angeles

Los Angeles, CA

Disclosure(s): 1

Role(s) at the meeting: A

George Gilkey

Rochester, MN

Disclosure(s): 1

Role(s) at the meeting: A

Robert Ginnebaugh, MD

Anesthesiology Resident

Brigham and Women's Hospital

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Andrea Girnius, MD

University of Cincinnati

Cincinnati, OH

Disclosure(s): Celgene, 7

Role(s) at the meeting: A

Laurent G. Glance, MD

Professor of Anesthesiology, Vice-

Chair of Research

University of Rochester School of Med-

icine

Rochester, NY

Disclosure(s): 1

Role(s) at the meeting: F

Kathryn E. Glas, MD MBA FASE

Professor of Anesthesiology

Emory University School of Medicine

Atlanta, GA

Disclosure(s): Editor—Lippincott Wil-

liams & Wilkins

Lee Goeddel, MD

Johns Hopkins School of Medicine

Baltimore, MD Disclosure(s): 1

Role(s) at the meeting: A

Eduardo J. Goenaga Diaz, MD

Assistant Professor

Wake Forest University Baptist Medical

Center

Winston-Salem, NC

Disclosure(s): 1

Role(s) at the meeting: A

Katie Goergen, MD

Assistant Professor

University of Nebraska

Omaha, NE

Disclosure(s): 1

Role(s) at the meeting: F

Andrew Goldberg, MD

Assistant Professor

Icahn School of Medicine at Mount

Sinai

New York, NY

Disclosure(s): 1

Role(s) at the meeting: F

Jordan E. Goldhammer, MD

Thomas Jefferson University

Philadelphia, PA Disclosure(s): 1

Role(s) at the meeting: A

Eugene M. Golts, MD

University of California, San Diego

Health

La Jolla, CA

Disclosure(s): 1

Role(s) at the meeting: F

Sapna Govindan, MD

Beth Israel Deaconess Medical Center

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Sandra Goyal, MD

University of Chicago

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: A

Glenn P. Gravlee, MD

Professor of Anesthesiology

University of Colorado, Denver

Denver, CO Disclosure(s): 1

Role(s) at the meeting: F

Donna L. Greenhalgh, MD MBChB FRCA

University Hospital of South

Manchester

Stockport, Cheshire, United Kingdom

Disclosure(s): 1

Role(s) at the meeting: F, P

Alexander Gregory, MD FRCPC

University of Calgary

Calgary, AB, Canada

Disclosure(s): 1

Role(s) at the meeting: F

Philip E. Greilich, MD

University of Texas Southwestern Med-

ical Center

Dallas, TX

Disclosure(s): 1

Role(s) at the meeting: R

Hilary P. Grocott, MD FASE FRCPC

Professor of Anesthesiology

University of Manitoba

Winnipeg, MB, Canada

Disclosure(s): 1

Role(s) at the meeting: F

Wendy L. Gross, MD

Assistant Professor of Anesthesiology

Brigham and Women's Hospital

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Fabio G. Guarracino, MD

Director of Cardiothoracic Anesthesia

and Intensive Care Medicine

University Hospital of Pisa

Pisa, Italy

Disclosure(s): 1

Role(s) at the meeting: F

Michael Gudejko, BS

Tufts Medical Center

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Jayakar Guruswamy, MD

Senior Staff Anesthesiologist

Henry Ford Health System

Troy, MI

Disclosure(s): 1

Role(s) at the meeting: A

Jacob Gutsche, MD

Assistant Professor

Perelman School of Medicine, Univer-

sity of Pennsylvania

Philadelphia, PA

Disclosure(s): 1

Role(s) at the meeting: F

Albert Ha

Harvard Medical School

Cambridge, MA

Disclosure(s): 1

Role(s) at the meeting: A

Bradley M. Hammond, DO

Resident

Temple University Health System

Wilmington, DE

Disclosure(s): 1

Role(s) at the meeting: A

Shawn Hansberry, MD

Adult Cardiothoracic Anesthesiology

Fellow

Duke University Hospital

Durham, NC

Disclosure(s): 1

Ross Hanson, MD

Cardiothoracic Anesthesiology Fellow Brigham and Women's Hospital

Boston, MA
Disclosure(s): 1

Role(s) at the meeting: A

Scott Harter, MD

Fellow

University of Colorado, Denver

Denver, CO Disclosure(s): 1

Role(s) at the meeting: A

Nazish K. Hashmi, MD

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Duke University Medical Center

Durham, NC Disclosure(s): 1

Role(s) at the meeting: A

Jennifer N. Hauck, MD

Cardiothoracic Anesthesiology Fellow

Duke University Medical Center

Durham, NC Disclosure(s): 1

Role(s) at the meeting: A

Heather K. Hayanga, MD MPH

University of Pittsburgh Medical

Center

Pittsburgh, Pennsylvania

Disclosure(s): 1

Role(s) at the meeting: A

Amy He, MD

Loyola University Medical Center

Chicago, IL Disclosure(s): 1

Role(s) at the meeting: A

Paul M. Heerdt, MD PhD FCCP

Professor of Anesthesiology and Phar-

macology

Yale University

New Haven, CT

Disclosure(s): Cheetah Medical, 3;

Ventinova, 6

Role(s) at the meeting: F, P

Lori B. Heller, MD

Acting Instructor

University of Washington

Staff Anesthesiologist

Swedish Hospital

Seattle, WA

Disclosure(s): 1

Role(s) at the meeting: F

Reney A. Henderson, MD

The University of Maryland School of

Medicine

Brandywine, MD

Disclosure(s): 1

Role(s) at the meeting: A

Teresa Henriques, PhD

Beth Israel Deaconess Medical Center

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Mark E. Henry, MD

Fellow, Cardiothoracic Anesthesiology

Division

Vanderbilt University Medical Center

Nashville, TN

Disclosure(s): 1

Role(s) at the meeting: A

Kaitlin Herald, DO

Baylor College of Medicine

Houston, TX

Disclosure(s): 1

Role(s) at the meeting: A

Matthias Heringlake, MD

Deputy Director Cardiac Anesthesia

University of Luebeck

Luebeck, Germany

Disclosure(s): Local investigator—Alr

Liquide Sante; Covidien, 7; Orion

Pharma, 7; Steering board LEVO-CTS

study—Tenax Therapeutics

Role(s) at the meeting: A

Corey R. Herman, MD

Thomas Jefferson University Hospital

Philadelphia, PA

Disclosure(s): 1

Role(s) at the meeting: A

Marcelle Hernandez, MD DABA

University of Puerto Rico

Guaynabo, Puerto Rico

Disclosure(s): 1

Role(s) at the meeting: A

Thomas Hertel, MD

University of Chicago

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: A

Meredith Herzog, MD

Vanderbilt University Medical Center

Nashville, TN

Disclosure(s): 1

Role(s) at the meeting: A

Walead Hessami, MD

Cardiothoracic Anesthesia Fellow

Medical University of South Carolina

Charleston, SC

Disclosure(s): 1

Role(s) at the meeting: A

Eugene A. Hessel II, MD

Professor of Anesthesiology

University of Kentucky College of

Medicine

Versailles, KY

Disclosure(s): 1

Role(s) at the meeting: F

Bryan Hierlmeier, MD

Fellow

Wake Forest Baptist Medical Center

Winston Salem, NC

Disclosure(s): 1

Robert I. Hieronimus, MD

Clinical Fellow in Cardiac Anesthesi-

ology

Massachusetts General Hospital

Boston, MA
Disclosure(s): 1

Role(s) at the meeting: A

Laureen L. Hill, MBA MD

Professor and Chair of Anesthesiology Emory University School of Medicine

Atlanta, GA
Disclosure(s): 1

Role(s) at the meeting: F, P

Jonathan K. Ho, MD

Associate Professor

University of California, Los Angeles

Los Angeles, CA Disclosure(s): 1

Role(s) at the meeting: F, P

Kimberly N. Hollander, MD

Fellow

Beth Israel Deaconess Medical Center

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

McKenzie M. Hollon, MD

Emory University

Atlanta, GA

Disclosure(s): 1

Role(s) at the meeting: A

Kwanyoung Hong

Department of Anesthesiology and

Pain Medicine

Samsung Medical Center

Seoul, South Korea

Disclosure(s): 1

Role(s) at the meeting: A

Kimberly Howard-Quijano, MD MS

Assistant Professor and Co-Chief.

Cardiac Anesthesiology

University of California, Los Angeles

Los Angeles, CA

Disclosure(s): 1

Role(s) at the meeting: A, F

Jiapeng Huang, MD PhD

Jewish Hospital and St Mary's Healthcare

Louisville, KY

Disclosure(s): Edwards, 7; GE, 7

Role(s) at the meeting: F

Aaron Hudson, MD

Resident Physician

University of Chicago

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: A

Rene E. Hulet, DO

University of Mississippi Medical

Center

Brandon, MS

Disclosure(s): 1

Role(s) at the meeting: A

Alina Hulsey, MD

Duke University Medical Center

Durham, NC

Disclosure(s): 1

Role(s) at the meeting: A

Patrick Hussey, BA

Medical Student

University of Iowa

Iowa City, IA

Disclosure(s): 1

Role(s) at the meeting: A

Nicole A. Imbriale-Townsend, DO

Resident

Allegheny Health Network

Pittsburgh, PA

Disclosure(s): 1

Role(s) at the meeting: A

Daniela Iolanda Ion, MD

Montreal Heart Institute

Montreal, QC, Canada

Disclosure(s): 1

Role(s) at the meeting: A

Frederick M. Isaacson, DO

Ochsner Health System

New Orleans, LA

Disclosure(s): 1

Role(s) at the meeting: A

Shihoko Iwata, MD

Research Associate

Tokyo Women's Medical University

Hospital

Tokyo, Japan

Disclosure(s): 1

Role(s) at the meeting: A

Ankit Jain, MBBS

Cardiac Anesthesia Fellow

Tufts Medical Center

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Pankaj Jain, MD

Fellow

Cleveland Clinic Foundation

Cleveland, OH

Disclosure(s): 1

Role(s) at the meeting: A

Gregory M. Janelle, MD FASE

Associate Professor of Anesthesiology

and Surgery

University of Florida College of Med-

icine

Gainesville, FL

Disclosure(s): 1

Role(s) at the meeting: F, P

Wouter Jansen Klomp, MD

Isala

Zwolle, Netherlands

Disclosure(s): 1

Role(s) at the meeting: A

Jelliffe Jeganathan, MBBS

Beth Israel Deaconess Medical Center

Boston, MA

Disclosure(s): 1

Srdjan Jelacic, MD

University of Washington

Seattle, WA

Disclosure(s): 1

Role(s) at the meeting: F

Christina Jelly, MD

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Jason Johnson, MD

Anesthesiology Critical Care Fellow

Northwestern Memorial Hospital

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: A

Stephanie Jones, MD

Cardiothoracic Anesthesiology Fellow

University of Washington

Seattle, WA

Disclosure(s): 1

Role(s) at the meeting: A

Ravi Vivekanand Joshi, MD

Associate Professor of Anethesiology

University of Texas Southwestern Med-

ical Center

Dallas, TX

Disclosure(s): 1

Role(s) at the meeting: F

Shaconda M. Junious, MD

Adult Cardiothoracic Fellow

Duke University

Durham, NC

Disclosure(s): 1

Role(s) at the meeting: A

George Justison, CCP

Manager, Perfusion Services, Perioper-

ative Services

University of Colorado Hospital

Aurora, CO

Disclosure(s): 1

Role(s) at the meeting: F

Tsuyoshi Kaneko, MD

Brigham and Women's Hospital

Boston, MA

Disclosure(s): Edwards Lifesciences, 7

Role(s) at the meeting: F

Anubhav Kapoor, MD

Resident Physician

Johns Hopkins Hospital

Baltimore, MD

Disclosure(s): 1

Role(s) at the meeting: A

Sergey Karamnov, MD

Jamaica Plain, MA

Disclosure(s): 1

Role(s) at the meeting: A

Andrew Karenz, MD

UNC Hospitals

Mebane, NC

Disclosure(s): 1

Role(s) at the meeting: A

Keyvan Karkouti, MD MSc FRCPC

Professor

Toronto General Hospital

Toronto, ON, Canada

Disclosure(s): Octapharma, 6; TEM, 6;

Baxter, 6; Helena Lab, 6

Role(s) at the meeting: F

Marissa L. Kauss, MD

Mayo Clinic

Rochester, MN

Disclosure(s): 1

Role(s) at the meeting: A

Hideaki Kawanishi

Clinical Engineering Graduate Student

Nara Medical University

Kashihara, Japan

Disclosure(s): 1

Role(s) at the meeting: A

Elliot Kay, MD

Resident

University of Cincinnati Medical Center

Cincinnati, OH

Disclosure(s): 1

Role(s) at the meeting: A

Yenabi J. Keflemariam, MD

Cardiothoracic Anesthesiology Fellow

University of Florida

Gainesville, FL

Disclosure(s): 1

Role(s) at the meeting: A

Jason D. Kennedy, MD

Associate Professor

Vanderbilt University

Nashville, TN

Disclosure(s): 1

Role(s) at the meeting: F

Simon Kigwana, BA

Student Researcher

Yale University

New Haven, CT

Disclosure(s): 1

Role(s) at the meeting: A

Jeffrey Kim, MD

San Francisco, CA

Disclosure(s): 1

Role(s) at the meeting: A

Min K. Kim, MD

Adult Cardiothoracic Anesthesiology

Fellow

University of Texas Southwestern Med-

ical Center

Dallas, TX

Disclosure(s): 1

Role(s) at the meeting: A

Adam Kingeter, MD

Fellow

Vanderbilt University Medical Center

Nashville, TN

Disclosure(s): 1

Role(s) at the meeting: A

Patrick Kinnaird, MD

Resident

Beth Israel Deaconess Medical Center

Brookline, MA

Disclosure(s): 1

Daniel Kinney, MD

Fellow

Yale-New Haven Hospital

Milford, CT

Disclosure(s): 1

Role(s) at the meeting: A

Oksana Klimkina, MD

University of Kentucky

Lexington, KY Disclosure(s): 1

Role(s) at the meeting: F

Joshua B. Knight, MD

Resident Physician

University of Pittsburgh Medical

Center

Pittsburgh, PA

Disclosure(s): 1

Role(s) at the meeting: A

Ziyad Knio, BS

Beth Israel Deaconess Medical Center

Boston, MA
Disclosure(s): 1

Role(s) at the meeting: A

Hanjo Ko, MD

Fellow

Brigham and Women's Hospital

Boston, MA
Disclosure(s): 1

Role(s) at the meeting: F

Kelly Kohorst, MD

Resident

Vanderbilt University Medical Center

Nashville, TN Disclosure(s): 1

Role(s) at the meeting: A

Joshua Kohtz, MD

Fellow

Weill Cornell Medical Center

New York, NY Disclosure(s): 1

Role(s) at the meeting: A

Robert L. Kong, MD

New York Presbyterian Hospital—

Columbia University

New York, NY

Disclosure(s): 1

Role(s) at the meeting: A

Steven N. Konstadt, MD MBA FACC

Chairman of Anesthesia

Maimonides Medical Center

New York, NY Disclosure(s): 1

Role(s) at the meeting: F

Scott Korfhagen, MD

UC Health

Cincinnati, OH Disclosure(s): 1

Role(s) at the meeting: A

Logan Kosarek, MD

Staff Anesthesiologist

Ochsner Clinic Foundation

Harahan, LA

Disclosure(s): 1

Role(s) at the meeting: F

Thomas J. Krall, MD

University of California, San Francisco

San Francisco, CA

Disclosure(s): 1

Role(s) at the meeting: A

Adam Kretzer, MD

Fellow Physician

Duke University Medical Center

Durham, NC

Disclosure(s): 1

Role(s) at the meeting: A

Keshar P. Kubal, MD

Assistant Researcher

New York Medical College

Scarsdale, NY

Disclosure(s): 1

Role(s) at the meeting: A

Nikhil Kumar, MD

Cleveland Clinic

Cleveland, OH

Disclosure(s): 1

Role(s) at the meeting: A

Priya A. Kumar, MD

Staff Anesthesiologist

The University of North Carolina,

Chapel Hill

Chapel Hill, NC

Disclosure(s): 1

Role(s) at the meeting: F, P

Vikas Kumar, MD

Assistant Professor

Georgia Regents University

Augusta, GA

Disclosure(s): 1

Role(s) at the meeting: A

Satoshi Kurokawa, MD

Associate Professor

Tokyo Women's Medical University

Tokyo, Japan

Disclosure(s): 1

Role(s) at the meeting: A

Melissa Lamrissi, MD

Resident

UMass Memorial Medical Center

Worcester, MA

Disclosure(s): 1

Role(s) at the meeting: A

Heather L. Lander, MD

Resident Physician

Partners: Brigham and Women's Hos-

pital

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Marya E. Leahy, MD

Cardiothoracic Anesthesiology Fellow

McGaw Medical Center of Northwest-

ern University

Chicago, IL

Disclosure(s): 1

Jean-Sebastien Lebon, MD FRCPC

Assistant Professor, Program Director Montreal Heart Institute, Université de Montréal

Montréal, QC, Canada

Disclosure(s): Edwards Lifesciences—

Proctorship-Teaching Role(s) at the meeting: A

Belinda Lee, MD

University of Minnesota

Minneapolis, MN Disclosure(s): 1

Role(s) at the meeting: A

Ho-Jin HJ. Lee, MD

Resident

Seoul National University Hospital

Seoul, South Korea Disclosure(s): 1

Role(s) at the meeting: A

Maiva Lee, BS

Associate Director of Finance

Northwest Anesthesia

Minneapolis, MN

Disclosure(s): 1

Role(s) at the meeting: A

Jonathan Leff, MD

Associate Professor

Montefiore Medical Center

New York, NY Disclosure(s): 1

Role(s) at the meeting: F

Lei Lei, MBBS

University Health Network, Toronto

General Hospital

Toronto, ON, Canada

Disclosure(s): 1

Role(s) at the meeting: A

Alex Leone, MD

Cleveland Clinic Foundation

Cleveland, OH Disclosure(s): 1

Role(s) at the meeting: A

Agnieszka Lesicka, MD

Massachusetts General Hospital

Brookline, MA
Disclosure(s): 1

Role(s) at the meeting: A

Matthew Levin, MD

Mount Sinai Hospital

New York, NY Disclosure(s): 1

Role(s) at the meeting: F

Galina Leyvi, MD

Assistant Professor

Montefiore Medical Center, Albert

Einstein College New York, NY

Disclosure(s): 1

Role(s) at the meeting: F

David Li, MD

Anesthesiology Resident

University of California, Davis Medical

Center

Davis, CA

Disclosure(s): 1

Role(s) at the meeting: A

Zongbin Li, MBBS

Ministry of Health Holdings

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Disclosure(s): 1

Role(s) at the meeting: A

Luke Liang, MD

Resident

McGaw Northwestern Medical Center

Chicago, IL Disclosure(s): 1

Role(s) at the meeting: A

Yafen Liang, MD

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Vanderbilt University Medical Center

Nashville, TN Disclosure(s): 1

Role(s) at the meeting: A

Kate M. Liberman, MD

Cardiothoracic Anesthesiology Fellow

Brigham and Women's Hospital

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

Tian Lijuan, MMed

Anesthesiologist

Chinese Academy of Medical Scienc-

es, Fu Wai Hospital

Beijing, China

Disclosure(s): 1

Role(s) at the meeting: A

David Lin, MD

Cleveland Clinic

Cleveland, OH

Disclosure(s): 1

Role(s) at the meeting: A

Benjamin Lippert, DO

Resident

University of Colorado

Denver, CO

Disclosure(s): 1

Role(s) at the meeting: A

Henry Liu, MD

Associate Professor, Vice Chairman

Drexel University College of Medicine

Conshohocken, PA

Disclosure(s): 1

Role(s) at the meeting: A

Hong Liu, MD

Associate Professor

University of California Davis Health

System

Sacramento, CA

Disclosure(s): 1

Role(s) at the meeting: F

Melanie M. Liu, MD

Texas Heart Institute

Houston, TX

Disclosure(s): 1

Lin Lizhu, MD

Attending Doctor

The First People's Hospital of Qinzhou

Qinzhou, China

Disclosure(s): The First People's Hospi-

tal of Qinzhou, 4

Role(s) at the meeting: A

Sansan Lo, MD

Columbia University

New York, NY Disclosure(s): 1

Role(s) at the meeting: A

Jens Lohser, MD MSC FRCPC

Clinical Associate Professor of Anes-

thesiology

University of British Columbia

Vancouver, BC, Canada

Disclosure(s): 1

Role(s) at the meeting: F

Martin J. London, MD

Professor of Clinical Anesthesia

University of California, San Francisco

San Francisco, CA

Disclosure(s): 1

Role(s) at the meeting: F

Mathew Lopez, MD

Anesthesiology Resident

University of Rochester Medical Center

Rochester, NY Disclosure(s): 1

Role(s) at the meeting: A

Oscar Lopez, MD

NYU Langone Medical Center

New York, NY

Disclosure(s): 1

Role(s) at the meeting: A

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University of Nebraska Medical Center

Omaha, NE

Disclosure(s): 1

Role(s) at the meeting: A

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Director of Cardiovascular Anesthesia

Memorial Hermann Healthcare System

Sugar Land, TX

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Seattle, WA

Disclosure(s): 1

Role(s) at the meeting: F, P

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New York Presbyterian, Weill Cornell

New York, NY

Disclosure(s): 1

Role(s) at the meeting: A

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University of California, San Diego

Health System

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Disclosure(s): 1

Role(s) at the meeting: F

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University of California, Los Angeles,

David Geffen School of Medicine

Los Angeles, CA

Disclosure(s): 1

Role(s) at the meeting: F

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Kentucky One Health

Prospect, KY

Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A, F

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University of Colorado Hospital

Denver, CO

Disclosure(s): 1

Role(s) at the meeting: A

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Clinical Instructor

Allegheny Health Network

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Disclosure(s): 1

Role(s) at the meeting: F, P

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New York Presbyterian Hospital—

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New York, NY

Disclosure(s): 1

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The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou

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Role(s) at the meeting: A

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San Diego, CA Disclosure(s): 1

Role(s) at the meeting: A

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University of Nebraska Medical Center

Omaha, NE Disclosure(s): 1

Role(s) at the meeting: A

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Resident

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Disclosure(s): 1

Role(s) at the meeting: A

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Durham, NC Disclosure(s): 1

Role(s) at the meeting: F

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University of Nebraska Medical Center

Omaha, NE Disclosure(s): 1

Role(s) at the meeting: F

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Kansas City, KS Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: A

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University Providence, RI Disclosure(s): 1

Role(s) at the meeting: F

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Role(s) at the meeting: F

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Sharon, MA
Disclosure(s): 1

Role(s) at the meeting: F

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Role(s) at the meeting: A

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Portland, OR Disclosure(s): 1

Role(s) at the meeting: F

Patrick Mayr, MD

Cardiac Anesthesiologist

Deutsches Herzzentrum Muenchen,

TUM

Munich, Germany Disclosure(s): 1

Role(s) at the meeting: A

C. David Mazer, MD

St Michael's Hospital

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Disclosure(s): Research—Fresenius Kabi, Tenax Therapeutics, Thrasos

Innovation

Role(s) at the meeting: F

Michael A. Mazzeffi, MD MPH

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University of Maryland School of Med-

icine

Baltimore, MD Disclosure(s): 1

Role(s) at the meeting: F

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Los Angeles, CA Disclosure(s): 1

Role(s) at the meeting: A

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Center

Jackson, MS Disclosure(s): 1

Role(s) at the meeting: A

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Durham, NC Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: A

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Professor and Director of Cardiotho-

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University of Texas Medical Branch

Galveston, TX

Disclosure(s): 1

Role(s) at the meeting: R

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Keck Hospital of USC

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: Breakout Fac-

ulty, A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Columbia University Medical Center

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Disclosure(s). 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): ptemasters.com, 8

Role(s) at the meeting: R

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icine

Gainesville, FL

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A, F

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Role(s) at the meeting: F

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Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Ann Arbor, MI Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: R

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Duke University Medical Center

Durham, NC

Disclosure(s): 1

Role(s) at the meeting: A

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University of California, San Diego

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Disclosure(s): 1

Role(s) at the meeting: A

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McGaw Medical Center of Northwest-

ern University

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Charleston, SC

Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F

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University of Miami, Miller School of

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Miami Beach, FL

Disclosure(s): 1

Peter Neuburger, MD

NYU Langone Med Center

New York, NY Disclosure(s): 1

Role(s) at the meeting: F

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University of Georgia College of Phar-

macy

Athens, GA

Disclosure(s): 1 Role(s) at the meeting: A

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NYU Langone Medical Center

New York, NY Disclosure(s): 1

Role(s) at the meeting: A, F

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Duke University Medical Center

Durham, NC Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Stanford University

Stanford, CA

Disclosure(s): 1

Role(s) at the meeting: A

Daisuke Nonaka, MD

University of Texas Southwestern Med-

ical Center

Dallas, TX

Disclosure(s): 1

Role(s) at the meeting: F

Ryan Noska, MD

University of Cincinnati Medical Center

Cincinnati, OH

Disclosure(s): 1

Role(s) at the meeting: A

Gregory A. Nuttall, MD

Professor of Anesthesiology

Mayo Clinic College of Medicine

Rochester, MN

Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Brigham and Women's Hospital

Boston, MA

Disclosure(s): Edwards Lifesciences, 8;

Lecture—PTE Masters

Role(s) at the meeting: F

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Assistant Clinical Professor of Anes-

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Stanford University Medical Center

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Disclosure(s): 1

Role(s) at the meeting: R

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Disclosure(s): 1

Role(s) at the meeting: A

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University of Texas Health Science

Center

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Jackson, MS

Disclosure(s): 1

Role(s) at the meeting: A

Lateef Opabola, MD

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University of Florida

Gainesville, FL

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

Christopher Owen, MD

Ochsner Clinic Foundation

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Disclosure(s): 1

Wendy L. Pabich, MD

Cardiac Anesthesiologist—Physicians

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Swedish Medical Center

Seattle, WA

Disclosure(s): 1

Role(s) at the meeting: F, P

Gene Paek, MD

Resident

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Disclosure(s): 1

Role(s) at the meeting: A

Paul S. Pagel, MD PhD FACC

Staff Physician, Anesthesia Service Clement J. Zablocki VA Medical

Center

Milwaukee, WI

Disclosure(s): 1

Role(s) at the meeting: A

Sheela Pai Cole, MD

Stanford University

Stanford, CA

Disclosure(s): 1

Role(s) at the meeting: F

Ameeka Pannu, MD

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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University of Colorado

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Disclosure(s): 1

Role(s) at the meeting: A

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Seoul, South Korea

Disclosure(s): 1

Role(s) at the meeting: A

Ryan Parker, MD

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Vanderbilt University Medical Center

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Disclosure(s): 1

Role(s) at the meeting: A

Sarah Parker, PhD

Director of Human Factors Research

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Disclosure(s): 1

Role(s) at the meeting: F

Suraj Parulkar, MD

Icahn School of Medicine at Mount

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New York, NY

Disclosure(s): 1

Role(s) at the meeting: A

Jiten Patel, DO

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Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A, F

Purav P. Patel, MD

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

Blake Perkins, MD

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Juan Perrone, MD

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Role(s) at the meeting: A

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Disclosure(s): Edwards LifeSciences, 3

Role(s) at the meeting: A, F

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Disclosure(s): Board of Directors,

Ambient Clinical Analytics; Technology

License, Ambient Clinical Analytics

Role(s) at the meeting: F

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Cleveland, OH Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

Wanda M. Popescu, MD

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New Haven, CT Disclosure(s): 1

Role(s) at the meeting: F, P

Ryan Potosky, MD

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New York, NY Disclosure(s): 1

Role(s) at the meeting: A

Varesh Prasad, BSE

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Cambridge, MA Disclosure(s): 1

Role(s) at the meeting: A

Christopher Press, MD

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Nashville, TN Disclosure(s): 1

Role(s) at the meeting: F

Goverdhan D. Puri, MD PhD

Postgraduate Institute of Medical Edu-

cation and Research

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Disclosure(s): 1

Role(s) at the meeting: A

Razvan Purza, BSc

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Disclosure(s): 1

Role(s) at the meeting: A

Ferenc Puskas, MD, PhD

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University of Colorado, Denver Hos-

pital

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Disclosure(s): 1

Role(s) at the meeting: R

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Disclosure(s): 1

Role(s) at the meeting: A, F

Quintin J. Quinones, MD PhD

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Disclosure(s): 1

Role(s) at the meeting: A, F

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Disclosure(s): 1

Role(s) at the meeting: A

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Rutgers, Robert Wood Johnson Medi-

cal School

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

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San Francisco, CA Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A, R

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: F

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Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: R

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Role(s) at the meeting: F

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Role(s) at the meeting: F

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Role(s) at the meeting: A

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Role(s) at the meeting: A

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Role(s) at the meeting: F

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Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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University of Kentucky

Lexington, KY Disclosure(s): 1

Role(s) at the meeting: A

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Adult Cardiothoracic Anesthesia

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Hershey, PA
Disclosure(s): 1

Role(s) at the meeting: A

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Head of Department of Cardiac Anes-

thesia

Vilnius University Hospital Santariskiu

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Disclosure(s): 1

Role(s) at the meeting: A

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Iowa City, IA
Disclosure(s): 1

Role(s) at the meeting: A

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Role(s) at the meeting: A

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Rush University Medical Center

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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University of Texas Health Science

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Disclosure(s): 1

Role(s) at the meeting: A

Robert Savage, MD FACC

Vice Chair and Director of Cardiotho-

racic Anesthesia

University of Alabama at Birmingham

Birmingham, AL

Disclosure(s): 1

Role(s) at the meeting: F

Jacob Schaff, MD

New York, NY

Disclosure(s): 1

Role(s) at the meeting: A

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University of Pittsburgh Medical

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Disclosure(s): 1

Role(s) at the meeting: A

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Omaha, NE

Disclosure(s): 1

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Allegheny Health Network

Pittsburgh, PA Disclosure(s): 1

Role(s) at the meeting: A

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Associate Professor of Anesthesiology Duke University Medical Center

Durham, NC Disclosure(s): 1

Role(s) at the meeting: F

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Research Study Assistant University of Washington

Seattle, WA Disclosure(s): 1

Role(s) at the meeting: A

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Stanford, CA
Disclosure(s): 1

Role(s) at the meeting: A

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Boston, MA
Disclosure(s): 1

Role(s) at the meeting: A

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Adult Cardiothoracic Anesthesiology

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Philadelphia, PA Disclosure(s): 1

Role(s) at the meeting: A

Aryeh Shander, MD

Englewood Hospital

Englewood, NJ

Disclosure(s): Speaker—Masimo, CSL,

Vifor Pharma, Gauss Surgical Role(s) at the meeting: F

Jack S. Shanewise, MD, FASE

Professor and Director, Cardiothoracic

Anesthesiology

Columbia University College of Physi-

cians & Surgeons

New York, NY Disclosure(s): 1

Role(s) at the meeting: F

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Natick, MA

Disclosure(s): 1

Role(s) at the meeting: A

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Vanderbilt University Medical Center

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Disclosure(s): Astute, 2; Grifols, 2;

Thrasos, 2; Baxter, 3

Role(s) at the meeting: F, P

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Chicago, IL Disclosure(s): 1

Role(s) at the meeting: A

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Professor of Anesthesia

Brigham and Women's Hospital

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Disclosure(s): E-Echocardiography;

Editor—Philips; Healthcare, Inc

Role(s) at the meeting: F, P

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Omaha, NE

Disclosure(s): E-Echocardiography, 3

Role(s) at the meeting: F, P

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Chief Cardiovascular Anesthesiology Hofstra Northshore, LIJ Medical

School

Hempstead, NY

Disclosure(s): Elcam Medical, 3; Gri-

fols, 3; Haemonetics, 7 Role(s) at the meeting: F

Kara Siegrist, MD

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

George Silvay, MD PhD

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New York, NY

Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

Ming Ann Sim, MBBS

Medical Student

National University of Singapore

Singapore, Singapore

Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: A

William Simpson, MD

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Disclosure(s): 1

Role(s) at the meeting: A

Nikolaos J. Skubas, MD DSC FACC FASE

Professor of Anesthesiology, Chief of

Cardiac Anesthesiology

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New York, NY Disclosure(s): 1

Role(s) at the meeting: F

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cians & Surgeons

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Disclosure(s): 1

Role(s) at the meeting: F

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Brookline, MA
Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

Nathaniel Smith, MD

Resident

University of Utah

Salt Lake City, UT

Disclosure(s): 1

Role(s) at the meeting: A

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New York, NY

Disclosure(s): 1

Role(s) at the meeting: A

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Allegheny Health Network

Pittsburgh, PA

Disclosure(s): 1

Role(s) at the meeting: A

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Critical Care Fellow

University of California, San Francisco

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San Francisco, CA

Disclosure(s): 1

Role(s) at the meeting: A

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Resident

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Disclosure(s): 1

Role(s) at the meeting: A

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Atlanta, GA

Disclosure(s): Grifols, 2, 6; Shire Viro-

Pharma, 6

Role(s) at the meeting: F

Sarah Soh, MD

Clinical Assistant Professor

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Seoul, South Korea

Disclosure(s): 1

Role(s) at the meeting: A

Gautam M. Sreeram, MD

Assistant Professor of Anesthesiology Emory University School of Medicine

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Disclosure(s): 1

Role(s) at the meeting: R

Mark Stafford-Smith, MD CM FASE FRCPC

Duke University Medical Center

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Disclosure(s): 1

Role(s) at the meeting: F

Genevieve Staudt, MD

Massachusetts General Hospital

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: A

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Stead Health Group, Inc.

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Disclosure(s): Founder—Stead Health

Group, Inc.

Role(s) at the meeting: F

Gregory Stecker, MD

University of Cincinnati Medical Center

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Disclosure(s): 1

Role(s) at the meeting: A

Travis S. Steinke, MD

Emory University

Atlanta, GA

Disclosure(s): 1

Role(s) at the meeting: A

Jochen Steppan, MD

Johns Hopkins University

Baltimore, MD

Disclosure(s): 1

Role(s) at the meeting: F

Shea Stoops, DO

Resident

University of Kansas Medical Center

Kansas City, KS

Disclosure(s): 1

Lacey Straube, MD

University of North Carolina

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Disclosure(s): 1

Role(s) at the meeting: A

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Resident Physician

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San Francisco, CA Disclosure(s): 1

Role(s) at the meeting: A

Sudhakar Subramani, MD MMED

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Disclosure(s): 1

Role(s) at the meeting: F

Balachundhar Subramaniam, MD MPH

Associate Professor of Anesthesiology,

Harvard Medical School

Beth Israel Deaconess Medical Center

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Disclosure(s): Mallinckrodt Pharmaceu-

ticals, 6; National Institute of Health, 6

Role(s) at the meeting: A

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Center

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

Joseph W. Szokol, MD

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NorthShore University HealthSystem

Chicago, IL

Disclosure(s): 1

Role(s) at the meeting: F

Karl Takabayashi, MD

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Disclosure(s): Hospira/Pfizer, 4

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

Iehab N. Talukder, MD PhD

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): Grifols, 3; ROTEM, 6

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

Nelson Thaemert, MD

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Disclosure(s): 1

Role(s) at the meeting: F, P

Walker R. Thomas, BS RDCS FASE

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

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Disclosure(s): 1

Role(s) at the meeting: F

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Baylor Scott & White Health

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Disclosure(s): 1

Role(s) at the meeting: F

Daniel A. Tolpin, MD

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Disclosure(s): 1

Role(s) at the meeting: F

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Los Angeles, CA

Disclosure(s): 1

Role(s) at the meeting: A

Manuel Torres, MD

University of Puerto Rico

Bayamon, Puerto Rico

Disclosure(s): 1

Role(s) at the meeting: A

Matthew M. Townsley, MD

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Birmingham, AL

Disclosure(s): 1

Role(s) at the meeting: F

Christopher A. Troianos, MD FASE

Chair, Anesthesiology Institute

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Cleveland, OH

Disclosure(s): 1

Role(s) at the meeting: F

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Temple University Hospital

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Disclosure(s): 1

Role(s) at the meeting: A

Eric Ursprung, MD

Tufts Medical Center

Boston, MA

Disclosure(s): 1

Role(s) at the meeting: F

Ratna Vadlamudi, MD

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Emory University Hospital

Atlanta, GA

Disclosure(s): 1

Role(s) at the meeting: F

Thomas Varughese, MBBS FFICM FRCA

Consultant Cardiac Anesthesiologist Blackpool Teaching Hospitals NHS

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Disclosure(s): 1

Role(s) at the meeting: A

Rishi Vashishta, MD

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New York, NY

Disclosure(s): 1

Role(s) at the meeting: A

Paul Villalba, MD

Fellow

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Cleveland, OH

Disclosure(s): 1

Role(s) at the meeting: A

Kumar Vivek, MD

Fellow

Montefiore Medical Center

Bronx, NY

Disclosure(s): 1

Role(s) at the meeting: A

Peter Von Homeyer, MD FASE

Assistant Professor of Anesthesiology

University of Washington

Seattle, WA

Disclosure(s): 1

Role(s) at the meeting: F

Chad E. Wagner, MD

Associate Professor of Clinical Cardiac

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Nashville, TN

Disclosure(s): 1

Role(s) at the meeting: R

Joyce A. Wahr, MD

Associate Professor of Anesthesiology

University of Michigan

Ann Arbor, MI

Disclosure(s): Founder—Holaira

Role(s) at the meeting: A

Alex F. Wakshinsky, MD

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

Huan Wang, MD

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Disclosure(s): 1

Role(s) at the meeting: A

Kevin Wang, MD

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University of Cincinnati College of

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Disclosure(s): 1

Mingya Wang, Postgraduate Candidate

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Fu Wai Hospital, Chinese Academy of

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Role(s) at the meeting: A

Yongyuan Wang, MD

Beijing, China Disclosure(s): 1

Role(s) at the meeting: A

Richard Webb, MD

University of Mississippi Medical

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Jackson, MS Disclosure(s): 1

Role(s) at the meeting: A

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Cardiothoracic and Vascular Anesthe-

siologist

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Disclosure(s): 1

Role(s) at the meeting: F, P

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Disclosure(s): Fresenius, 6; Grifols, 2;

Terumo BCT, 6

Role(s) at the meeting: F

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Gainesville, FL Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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MUW

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: F

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Johns Hopkins Hospital

Baltimore, MD

Disclosure(s): 1

Role(s) at the meeting: A

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Beijing, China

Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

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Fellow

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vania

Philadelphia, PA Disclosure(s): 1

Role(s) at the meeting: A

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Seoul National University Hospital

Seoul, South Korea Disclosure(s): 1

Role(s) at the meeting: A

Nayer Youssef, MD FRCPC

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Disclosure(s): 1

Role(s) at the meeting: A

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Cardiothoracic Anesthesiology Fellow Rutgers, Robert Wood Johnson Uni-

versity

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: A

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Disclosure(s): 1

Role(s) at the meeting: R

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Disclosure(s): 1