# Cardiology Self-Assessment Program (CardSAP) 2026 Faculty Panel

**Series Editors:**

**Cynthia A. Jackevicius, Pharm.D., M.Sc., FCCP, FCSHP, FAHA, FCCS, FACC, BCPS, BCCP**

*Professor, Pharmacy Practice and Administration*
College of Pharmacy
Western University of Health Sciences
*Clinical Pharmacy Practitioner, Cardiology*
VA Greater Los Angeles Healthcare System
Los Angeles, California

**J. Herbert Patterson, Pharm.D., FCCP, FHFSA**

*Professor Emeritus of Pharmacy*
UNC Eshelman School of Pharmacy
University of North Carolina at Chapel Hill
Chapel Hill, North Carolina

**Faculty Panel Chair:**

**John Lindsley, Pharm.D., BCCP, BCCCP, AACC**

*Lead Clinical Pharmacy Specialist*
Johns Hopkins Hospital
Baltimore, Maryland

**Disclosures: ACCP Staff/Series Leaders**
Consultancies: Cynthia Jackevicius (AHA, CSHP)

Nothing to disclose: Ed Alderman, Peter Burns, Joanna Gillette, John Lindsley, Brent Paloutzian, Herb Patterson, Kimma Sheldon-Old, Keri Sims

Note: All relevant financial relationships listed for these individuals have been mitigated.

Note: All content is developed by authors and reviewers independent of their role as an employee or member of an organization. The content undergoes extensive peer review and references are provided at the end of each topic. Any additional views, thoughts, or opinions expressed by authors and reviewers in the text do not necessarily reflect the position of the American College of Clinical Pharmacy, or the author or reviewer's employers or professional affiliations.

| Learning Activity | Authors | Reviewers | Disclosures |
|---|---|---|---|
| **Chapter: ACLS Guideline Update** | Daniel Fischer, Pharm.D., BCCCP<br>*Clinical Pharmacy Specialist in Emergency Medicine*<br>Medical University of South Carolina<br>Charleston, South Carolina | Jared Frost, Pharm.D., BCCP<br>*Clinical Pharmacist Specialist*<br>Advocate Health<br>Milwaukee, Wisconsin<br><br>Amy Hathorn, Pharm.D., BCCP<br>*Cardiology Clinical Pharmacist Specialist*<br>Sanger Heart & Vascular<br>Atrium Health<br>Charlotte, North Carolina<br><br>Sarah Wong, Pharm.D., BCCP<br>*Cardiology Clinical Pharmacist*<br>Department of Pharmacy<br>Novant Health Forsyth Medical Center<br>Winston-Salem, North Carolina | Daniel Fischer: Nothing to disclose<br>Jared Frost: Nothing to disclose<br>Amy Hathorn: Nothing to disclose<br>Sarah Wong: Nothing to disclose |
| **Chapter: Cardiogenic Shock** | Tania Ahuja, Pharm.D., FACC, FAHA, BCCP, CACP<br>*Assistant Director of Clinical Pharmacy Services, Cardiology & Medicine*<br>NYU Langone Health<br>New York, New York | Sarah K. Adie, Pharm.D., FACC, BCCP<br>*Clinical Pharmacist Cardiology*<br>Department of Pharmacy<br>University of Michigan<br>Ann Arbor, Michigan<br><br>Mark Brockway, Pharm.D., AACC, BCPS, BCCCP, BCIDP, BCCP, BCEMP<br>*Critical Care Pharmacist*<br>Department of Pharmacy<br>EvergreenHealth Medical Center<br>Kirkland, Washington<br><br>Kimberly Shehan, Pharm.D., BCPS, BCCP<br>*Clinical Care Pharmacist*<br>Department of Cardiology<br>Methodist Hospital<br>Omaha, Nebraska | Tania Ahuja: Nothing to disclose<br>Sarah K. Adie: Nothing to disclose<br>Mark Brockway: Nothing to disclose<br>Kimberly Shehan: Nothing to disclose |

(*continued*)

| Learning Activity | Authors | Reviewers | Disclosures |
|---|---|---|---|
| **Chapter: Perioperative Drug Management in Cardiac Surgery** | Pamela B. Simone, Pharm.D., FACC, BCCP<br>*Clinical Pharmacist Specialist, Cardiology*<br>UChicago Medicine<br>Chicago, Illinois[a]<br><br>[a]*At the time of writing. Dr. Simone began a new position as Medical Science Liaison, Mineralys Therapeutics, Radnor, Pennsylvania, after the chapter was written. Mineralys does not produce products that are discussed in the chapter.* | Ayesha Ather, Pharm.D., BCCP<br>*Cardiology Clinical Pharmacist – Cardiothoracic Surgery*<br>Acute Care Pharmacy Services<br>University of Kentucky HealthCare<br>Assistant Adjunct Professor<br>Department of Pharmacy Practice and Science<br>University of Kentucky College of Pharmacy<br>Lexington, Kentucky<br><br>Christina Ruggia-Check, Pharm.D., FAST, BCCP, BCPS, BCTXP<br>*Clinical Pharmacy Specialist – Cardiovascular Surgery/Heart Transplant*<br>Department of Pharmacy<br>Temple University Hospital<br>Philadelphia, Pennsylvania<br><br>Kristen de Almeida, Pharm.D., FHFSA, BCCP<br>*Cardiology Pharmacy Coordinator, Clinical Pharmacy Specialist Advanced Heart Failure*<br>Baptist Hospital of Miami<br>Miami, Florida | Pamela B. Simone: Consultancies (Novartis; Precision AQ)<br>Ayesha Ather: Nothing to disclose<br>Christina Ruggia-Check: Consultancies (MJH Life Sciences)<br>Kristen de Almeida: Nothing to disclose |
| **Chapter: Atrial Fibrillation Guideline Update** | Kazuhiko Kido, Pharm.D., FCCP, FHFSA, BCCP, BCPS<br>*Clinical Associate Professor*<br>West Virginia University<br>Morgantown, West Virginia<br><br>Jordan L. Lacoste, Pharm.D., FACC, BCCP<br>*Cardiology Clinical Pharmacy Specialist*<br>WVU Medicine<br>Morgantown, West Virginia | Genevieve Hale, Pharm.D., BCPS, BCCP, CPh<br>*Associate Professor*<br>Department of Pharmacy Practice<br>Nova Southeastern University Barry and Judy Silverman College of Pharmacy<br>Davie, Florida<br><br>Daniel Blee, Pharm.D., BCCP, BCCCP<br>*Cardiology Clinical Pharmacist*<br>Department of Pharmacy<br>Kootenai Health<br>Coeur d'Alene, Idaho<br><br>Jennifer Polyniak, Pharm.D., BCPS, BCCCP<br>*Pharmacist II*<br>Sharp Healthcare<br>La Mesa, California | Kazuhiko Kido: Nothing to disclose<br>Jordan L. Lacoste: Nothing to disclose<br>Genevieve Hale: Nothing to disclose<br>Daniel Blee: Nothing to disclose<br>Jennifer Polyniak: Nothing to disclose |

(*continued*)

| Learning Activity | Authors | Reviewers | Disclosures |
|---|---|---|---|
| **Chapter: Cardiometabolic and Lifestyle Interventions for Atrial Fibrillation** | Liam R. Callejas, Pharm.D., BCCP<br>*Coordinator, Acute Pharmacy Services*<br>Geisinger Community Medical Center<br>Scranton, Pennsylvania | Amanda Sowder, Pharm.D., MS, BCCP<br>*Clinical Pharmacist*<br>Department of Cardiology<br>AdventHealth Orlando<br>Orlando, Florida<br><br>Rachel Lucas, Pharm.D., BCCP<br>*Clinical Associate Professor*<br>Department of Pharmacy Practice<br>Binghamton University School of Pharmacy and Pharmaceutical Sciences<br>Binghamton, New York<br><br>Mohamed Amar, Pharm.D., BCCP, BCPS<br>*Cardiology Clinical Pharmacy Specialist*<br>Department of Pharmacy<br>Cleveland Clinic<br>Cleveland, Ohio | Liam R. Callejas: Nothing to disclose<br>Amanda Sowder: Nothing to disclose<br>Rachel Lucas: Nothing to disclose<br>Mohamed Amar: Nothing to disclose |
| **Chapter: Atrial Arrhythmias: Rhythm Control and Ambulatory Monitoring** | Megan Labreck, Pharm.D., FHRS, BCPS<br>*Outpatient EP Pharmacist*<br>OhioHealth Riverside Methodist Hospital<br>Columbus, Ohio | Aaron J. Bagnola, Pharm.D., BCPS, BCCP<br>*Cardiology Specialty Practice Pharmacist*<br>Department of Pharmacy<br>The Ohio State Wexner Medical Center<br>Columbus, Ohio<br><br>Tomasz Jurga, Pharm.D., BCCP, BCACP, BCPS, HF-Cert, CDCES<br>*Clinical Pharmacist Practitioner*<br>Department of Pharmacy<br>LTC Charles S. Kettles VA Medical Center<br>Ann Arbor, Michigan<br><br>Rachel Lavelle, Pharm.D., BCCP<br>*Clinical Pharmacy Specialist, Cardiology*<br>Department of Pharmacy<br>University of Chicago Medicine<br>Chicago, Illinois | Megan Labreck: Consultancies (Boston Scientific)<br>Aaron J. Bagnola: Nothing to disclose<br>Tomasz Jurga: Nothing to disclose<br>Rachel Lavelle: Consultancies (Esperion Therapeutics; Cytokinetics); Stocks (Cytokinetics; BridgeBio); Honoraria (Cytokinetics) |

(*continued*)

| Learning Activity | Authors | Reviewers | Disclosures |
|---|---|---|---|
| **Case Series: Bleeding Mitigation in Patients with Atrial Fibrillation** | Aklil Hiruy, Pharm.D., BCCP, BCPS<br>*Clinical Pharmacy Specialist – Cardiology*<br>Johns Hopkins Hospital<br>Baltimore, Maryland | A. Josh Roberts, Pharm.D., BCPS, BCCP, AACC<br>*Cardiology Pharmacist Specialist*<br>Department of Pharmacy<br>UC Davis Health<br>Sacramento, California<br><br>Brian A. Lopez, Pharm.D., BCCP, BCCCP<br>*Clinical Pharmacist*<br>Department of Pharmacy<br>New London Hospital<br>New London, New Hampshire<br><br>Alicia P. Surber, Pharm.D., BCPS, BCCP, BCCCP, BCEMP<br>*Clinical Pharmacist*<br>Department of Oncology<br>Saint Alphonsus Regional Medical Center – Cancer Center<br>Boise, Idaho | Aklil Hiruy: Nothing to disclose<br>A. Josh Roberts: Nothing to disclose<br>Brian A. Lopez: Nothing to disclose<br>Alicia P. Surber: Nothing to disclose |
| **Chapter: Inpatient Antithrombotic Stewardship** | Dareen M. Kanaan, Pharm.D., MPH, BCCP<br>*Clinical Pharmacy Specialist III Residency Program Coordinator – PGY2 Thrombosis and Hemostasis Management*<br>Brigham and Women's Hospital<br>Boston, Massachusetts<br><br>Halley Gibson, Pharm.D., BCPS, BCCP<br>*Clinical Pharmacist Specialist – Antithrombotic Stewardship*<br>Brown University Health<br>Providence, Rhode Island<br><br>Delaney Brooks, Pharm.D., BCCP<br>*Clinical Pharmacist Specialist—Antithrombotic Stewardship*<br>Brown University Health<br>Providence, Rhode Island | Kathryn E. Dane, Pharm.D., BCPS<br>*Clinical Pharmacy Specialist, Benign Hematology and Cardiology*<br>The Johns Hopkins Hospital<br>Baltimore, Maryland<br><br>Elizabeth Conver, Pharm.D., BCPS, BCCP, CACP<br>*System Clinical Pharmacy Specialist – Cardiology, Anticoagulation & Pulmonology*<br>Baptist Health System<br>Louisville, Kentucky<br><br>Melanie R. Madorsky, Pharm.D., BCPS, BCCP, BCCCP<br>*Clinical Pharmacy Specialist, Cardiac Intensive Care Unit*<br>Department of Pharmacy<br>Memorial Hermann-Texas Medical Center<br>Houston, Texas | Dareen M. Kanaan: Nothing to disclose<br>Halley Gibson: Nothing to disclose<br>Delaney Brooks: Nothing to disclose<br>Kathryn E. Dane: Nothing to disclose<br>Elizabeth Conver: Nothing to disclose<br>Melanie R. Madorsky: Nothing to disclose |

(*continued*)

| Learning Activity | Authors | Reviewers | Disclosures |
|---|---|---|---|
| **Chapter: Biostatistics and Literature Evaluation in Antithrombotic Clinical Studies** | Jessica Chasler, Pharm.D., MPH, BCCP<br>*Clinical Pharmacist, Pipeline Services*<br>CVS Health<br>Woonsocket, Rhode Island | Kevin M. Sowinski, Pharm.D., B.S., FCCP<br>*Professor of Pharmacy Practice*<br>Department of Pharmacy Practice<br>Purdue University College of Pharmacy<br>*Adjunct Professor of Medicine*<br>Department of Medicine<br>Indiana University School of Medicine<br>Indianapolis, Indiana<br><br>Carol Heunisch, Pharm.D., BCPS, BCCP<br>*Pharmacy Director, Drug Policy and Education*<br>Department of Pharmacy<br>Endeavor Health<br>Evanston, Illinois<br><br>Katelyn J. Galli, Pharm.D., BCCP<br>*Clinical Assistant Professor*<br>Department of Pharmacy Practice<br>University of Connecticut<br>Storrs, Connecticut | Jessica Chasler: Nothing to disclose<br>Kevin M. Sowinski: Nothing to disclose<br>Carol Heunisch: Nothing to disclose<br>Katelyn J. Galli: Nothing to disclose |