On behalf of Mayo Clinic Department of Cardiovascular Medicine, we invite you to explore this catalog of offerings. In it, you will find a listing of our live and online offerings and encourage you to find a program that may be of interest and that fits your learning style.

Our website, cveducation.mayo.edu, is a great way to look for courses and products that are open for registration. Additionally, if you find an offering you are interested in that is not yet open for registration, we’ve made it easy for you to add it to your wish list and receive a notification once registration is open. We always welcome you to reach out to us at any point should you have questions or need further assistance (Phone: 800.283.6296 or Email: cvcme@mayo.edu).

We hope you will attend one of our world-class education sessions and bring your family to enjoy some of the attractive national and international locations.

We look forward to seeing you in 2020!

Leslie Cooper, Jr., M.D.
Enterprise Chair, Department Chair, Florida

Paul Friedman, M.D.
Department Chair, Rochester

Luis Scott, M.D.
Department Chair, Arizona
Cardiovascular Education offers many different learning opportunities including live courses, online products, and select streaming courses.

Visit cveducation.mayo.edu online to:

- Register for a course or product
- Enjoy complimentary education
- Contact our team of dedicated professionals
### CALENDAR AT A GLANCE
Select courses offer a streaming option denoted by *.

<table>
<thead>
<tr>
<th>DATE</th>
<th>CONFERENCES</th>
<th>LOCATION</th>
<th>PRIMARY CONTENT</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAN 6-10</td>
<td>Cardiology Update at Puerto Vallarta: A Focus on Prevention</td>
<td>CasaMagna Marriott Puerto Vallarta, Mexico</td>
<td>Preventive</td>
<td>7</td>
</tr>
<tr>
<td>JAN 18-23</td>
<td>Mayo Clinic Hawaii Echo with Multimodality Imaging</td>
<td>The Ritz-Carlton, Kapalua Kapalua, Maui, HI</td>
<td>Echo/Imaging</td>
<td>7</td>
</tr>
<tr>
<td>JAN 27-31</td>
<td>Arrhythmias &amp; the Heart: A Cardiovascular Update</td>
<td>Fairmont Orchid Big Island, HI</td>
<td>Heart Rhythm</td>
<td>7</td>
</tr>
<tr>
<td>FEB 5-8</td>
<td>Cardiovascular Conference at Snowbird</td>
<td>Cliff Lodge Snowbird, UT</td>
<td>General</td>
<td>8</td>
</tr>
<tr>
<td>FEB 13-15</td>
<td>Updates in Cardio-Oncology: Putting Principles into Practice</td>
<td>Westin Kierland Resort &amp; Spa Scottsdale, AZ</td>
<td>General</td>
<td>8</td>
</tr>
<tr>
<td>FEB 24-28</td>
<td>Cardiology at Cancun: Topics in Clinical Cardiology</td>
<td>Marriott Cancun Resort Cancun, Mexico</td>
<td>General</td>
<td>8</td>
</tr>
<tr>
<td>MAR 1-5</td>
<td>Ski the Summit @ Copper: Echo Imaging in Colorado</td>
<td>Copper Mountain Conference Center Copper Mountain, CO</td>
<td>Echo/Imaging</td>
<td>9</td>
</tr>
<tr>
<td>MAR 26-28</td>
<td>Heart Failure Management for NP’s, PA’s and Primary Care Providers</td>
<td>Disney’s Grand Floridian Lake Buena Vista, FL</td>
<td>Echo/Imaging</td>
<td>9</td>
</tr>
<tr>
<td>APR 2-5</td>
<td>Fundamentals and Essentials of ECG Interpretation for the Non-Cardiologist</td>
<td>JW Marriott New Orleans, LA</td>
<td>Echo/Imaging</td>
<td>9</td>
</tr>
<tr>
<td>APR 6-9</td>
<td>Echo Fiesta: An In-Depth Review of Adult Echo for Sonographers and Physicians</td>
<td>Hyatt Regency Hill Country San Antonio, TX</td>
<td>Echo/Imaging</td>
<td>10</td>
</tr>
<tr>
<td>APR 17-21</td>
<td>Echocardiography Review Course for Boards and Recertification</td>
<td>Hilton Rochester Rochester, MN</td>
<td>Echo/Imaging</td>
<td>10</td>
</tr>
<tr>
<td>APR 17</td>
<td>Contemporary Cardiovascular Care</td>
<td>Waterfront Restaurant La Crosse, WI</td>
<td>General</td>
<td>10</td>
</tr>
<tr>
<td>MAY 13-16</td>
<td>Basic to Advanced Echocardiography</td>
<td>Hilton Head Marriott Hilton Head Island, SC</td>
<td>Echo/Imaging</td>
<td>11</td>
</tr>
<tr>
<td>MAY 14-16</td>
<td>Foundations in Cardiology Practice</td>
<td>Omni Scottsdale Resort at Montelucia Scottsdale, AZ</td>
<td>General</td>
<td>11</td>
</tr>
<tr>
<td>JUN 4-7</td>
<td>Echo/Imaging New York: State-of-the-Art</td>
<td>Crowne Plaza Times Square Manhattan New York, NY</td>
<td>Echo/Imaging</td>
<td>11</td>
</tr>
<tr>
<td>JUN 27-28</td>
<td>Heart Failure Up North: Practical Approaches to the Management of Congestive Heart Failure</td>
<td>Madden’s on Gull Lake Brainerd, MN</td>
<td>Heart Failure</td>
<td>12</td>
</tr>
<tr>
<td>JUL 13-17</td>
<td>Echo Alaska: Frontiers of Multimodality Imaging Including Echo, Cardiac CT and MRI</td>
<td>Sheraton Anchorage, AK</td>
<td>Echo/Imaging</td>
<td>12</td>
</tr>
<tr>
<td>JUL 23-25</td>
<td>Current Applications and Future of Artificial Intelligence in Cardiology*</td>
<td>Intercontinental San Francisco San Francisco, CA</td>
<td>General</td>
<td>13</td>
</tr>
<tr>
<td>DATE</td>
<td>CONFERENCES</td>
<td>LOCATION</td>
<td>PRIMARY CONTENT</td>
<td>PAGE</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-----------------------------------------------</td>
<td>-----------------------</td>
<td>------</td>
</tr>
<tr>
<td>JUL 26-28</td>
<td>Success With Failure: Strategies for the Evaluation &amp; Treatment of Heart Failure*</td>
<td>Fairmont Chateau Whistler Whistler, BC, Canada</td>
<td>Heart Failure</td>
<td>13</td>
</tr>
<tr>
<td>JUL 30-AUG 2</td>
<td>Mayo Clinic Cardiology Update 2020: The Heart of the Matter</td>
<td>Enchantment Resort Sedona, AZ</td>
<td>General</td>
<td>13</td>
</tr>
<tr>
<td>AUG 22-26</td>
<td>Cardiovascular Board Review for Initial Certification and Recertification</td>
<td>Mayo Civic Center Rochester, MN</td>
<td>General</td>
<td>14</td>
</tr>
<tr>
<td>AUG 27</td>
<td>Echo Focus Session</td>
<td>Mayo Civic Center Rochester, MN</td>
<td>Echo/Imaging</td>
<td>14</td>
</tr>
<tr>
<td>SEP 9-11</td>
<td>Internal Medicine Review for Nurse Practitioners, Physician Assistants and Primary Care Providers*</td>
<td>Rochester, MN</td>
<td>General</td>
<td>14</td>
</tr>
<tr>
<td>SEP 18-20</td>
<td>Interventional Cardiology Board Review</td>
<td>Hilton Rochester Rochester, MN</td>
<td>Interventional</td>
<td>15</td>
</tr>
<tr>
<td>SEP 24-26</td>
<td>The Genetics of Heart &amp; Vascular Disease</td>
<td>Sheraton Grand Wild Horse Pass Phoenix, AZ</td>
<td>Genetics</td>
<td>15</td>
</tr>
<tr>
<td>SEP 25-27</td>
<td>Challenges in Clinical Cardiology: A Case-Based Update</td>
<td>Radisson Blu Aqua Hotel Chicago, IL</td>
<td>General</td>
<td>15</td>
</tr>
<tr>
<td>OCT 1-4</td>
<td>Echocardiography in Pediatric &amp; Adult Congenital Heart Disease</td>
<td>Sheraton Grand Wild Horse Pass Phoenix, AZ</td>
<td>Echo/Imaging</td>
<td>16</td>
</tr>
<tr>
<td>OCT 11-13</td>
<td>Echo Revolution: Adult Echocardiography for Physicians and Sonographers*</td>
<td>Fairmont Copley Plaza Boston, MA</td>
<td>Echo/Imaging</td>
<td>16</td>
</tr>
<tr>
<td>OCT 16-17</td>
<td>Atrial Fibrillation and Stroke*</td>
<td>Grand Hyatt, Seattle, WA</td>
<td>Heart Rhythm</td>
<td>16</td>
</tr>
<tr>
<td>OCT 21-24</td>
<td>Cases in Echocardiography, Cardiac CT and MRI</td>
<td>The Meritage Napa, CA</td>
<td>Echo/Imaging</td>
<td>17</td>
</tr>
<tr>
<td>OCT 30-NOV 1</td>
<td>Coronary Artery Disease: Case-Based Learning</td>
<td>The Ritz-Carlton, Laguna Niguel Dana Point, CA</td>
<td>Ischemic</td>
<td>17</td>
</tr>
<tr>
<td>OCT, TBD</td>
<td>Multimodality Cardiac Imaging in Margaritaville</td>
<td>Casa Marina, A Waldorf Astoria Resort Key West, FL</td>
<td>Echo/Imaging</td>
<td>17</td>
</tr>
<tr>
<td>NOV 4-7</td>
<td>Cardiovascular Review in Bahrain: A Case-Based Approach</td>
<td>Gulf Convention Center Manama, Bahrain</td>
<td>General</td>
<td>18</td>
</tr>
<tr>
<td>NOV, TBD</td>
<td>Echocardiography in Patient Care &amp; Clinical Trials</td>
<td>Scottsdale, AZ</td>
<td>Echo/Imaging</td>
<td>18</td>
</tr>
<tr>
<td>DEC 3-6</td>
<td>ECG and Heart Rhythm: A Case-Based Approach</td>
<td>Westin Kierland Resort and Spa Scottsdale, AZ</td>
<td>Heart Rhythm</td>
<td>18</td>
</tr>
<tr>
<td>DEC 10-12</td>
<td>The Heart Beat of Cardiology</td>
<td>The Ritz-Carlton, Chicago Chicago, IL</td>
<td>Echo/Imaging</td>
<td>19</td>
</tr>
<tr>
<td>DEC 17-20</td>
<td>Echo on Marco Island: Case-Based Approach</td>
<td>Marco Island Marriott Marco Island, FL</td>
<td>Echo/Imaging</td>
<td>19</td>
</tr>
<tr>
<td>DATES TBD</td>
<td>Complex Ablation and Device Tracing Summit</td>
<td>Location TBD, New York, NY</td>
<td>Heart Rhythm</td>
<td>19</td>
</tr>
</tbody>
</table>
BOARD REVIEW LIVE AND ONLINE

APRIL 17–21
ECHOCARDIOGRAPHY REVIEW COURSE FOR BOARDS AND RECERTIFICATION
OFFERS CME AND MOC
Hilton Rochester, Rochester, MN
Garvan C. Kane, M.D., Ph.D. / Jae K. Oh, M.D.
ONLINE OFFERING
• Featuring Online Portal + Online Syllabus and Video Access

AUGUST 22–26
CARDIOVASCULAR BOARD REVIEW FOR INITIAL CERTIFICATION AND RECERTIFICATION
OPTIONAL ECHO FOCUS SESSION: AUGUST 27
OFFERS CME AND MOC
Mayo Civic Center, Rochester, MN
Rick A. Nishimura, M.D. / Steve R. Ommen, M.D. / Kyle W. Klarich, M.D. / Vuyisile T. Nkomo, M.D., M.P.H.
ONLINE OFFERING
• Featuring Online Portal + Online Syllabus and Video Access

SEPTEMBER 18–20
INTERVENTIONAL CARDIOLOGY BOARD REVIEW
OFFERS CME AND MOC
Hilton Hilton, Rochester, MN
Gregory W. Barsness, M.D. / Eric H. Yang, M.D. / Abhiram Prasad, M.D.
ONLINE OFFERING
• Featuring Online Portal + Online Syllabus and Video Access

ELECTROPHYSIOLOGY BOARD REVIEW
Christopher J. McLeod, M.B., Ch.B., Ph.D. / Thomas M. Munger, M.D.
ONLINE OFFERING
• Featuring Online Portal + Online Syllabus and Video Access
JANUARY 6–10
CARDIOLOGY UPDATE AT PUERTO VALLARTA: A FOCUS ON PREVENTION
CasaMagna Marriott, Puerto Vallarta, Mexico
Francisco Lopez-Jimenez, M.D.
Thomas G. Allison, Ph.D.
Stephen L. Kopecky, M.D.
Jane A. Linderbaum, APRN, C.N.P.

JANUARY 18–23
MAYO CLINIC HAWAII ECHO WITH MULTIMODALITY IMAGING
The Ritz-Carlton, Kapalua, Maui, HI
J. Wells Askew, M.D.
Charles J. Bruce, M.D.
Heidi M. Connolly, M.D.
Fletcher A. Miller, Jr., M.D.

JANUARY 27–31
ARRHYTHMIAS & THE HEART: A CARDIOVASCULAR UPDATE
Fairmont Orchid, Big Island, HI
Douglas L. Packer, M.D.
Paul A. Friedman, M.D.
Win-Kuang Shen, M.D.
FEBRUARY 5–8
CARDIOVASCULAR CONFERENCE AT SNOWBIRD
Cliff Lodge, Snowbird, UT
Douglas L. Packer, M.D.
George J. Klein, M.D.
Christopher M. O’Connor, M.D.

FEBRUARY 13–15
UPDATES IN CARDIO-ONCOLOGY: PUTTING PRINCIPLES INTO PRACTICE
The Westin Kierland Resort & Spa, Scottsdale, AZ
Reza Arsanjani, M.D.
Carolyn M. Larsen, M.D.
Donald W. Northfelt, M.D.

FEBRUARY 24–28
CARDIOLOGY AT CANCUN: TOPICS IN CLINICAL CARDIOLOGY
Marriott Cancun Resort, Cancun, Mexico
Guy S. Reeder, M.D.
Steve R. Ommen, M.D.
Malcolm R. Bell, M.D.
Grace Lin, M.D.
Francisco Lopez-Jimenez, M.D.
Fred Kusumoto, M.D.
MARCH 1–5
SKI THE SUMMIT @ COPPER: ECHO IMAGING IN COLORADO
Copper Mountain Conference Center
Copper Mountain, CO
Kyle W. Klarich, M.D.
Thomas Ryan, M.D.
Martha Grogan, M.D.

MARCH 26–28
HEART FAILURE MANAGEMENT FOR NP’S, PA’S AND PRIMARY CARE PROVIDERS
Disney’s Grand Floridian, Lake Buena Vista, FL
Barry L. Karon, M.D.
Jean A. Wagner, MSN, A.P.R.N., C.N.P.

APRIL 2–5
FUNDAMENTALS AND ESSENTIALS OF ECG INTERPRETATION FOR THE NON-CARDIOLOGIST
JW Marriott, New Orleans, LA
Komandoor Srivathsan, M.D.
Fred Kusumoto, M.D.
Thomas M. Munger, M.D.
APRIL 6–9
ECHO FIESTA: AN IN-DEPTH REVIEW OF ADULT ECHO FOR SONOGRAPHERS AND PHYSICIANS
Hyatt Regency Hill Country, San Antonio, TX
Kyle W. Klarich, M.D.
Steven J. Lester, M.D.
Martha Grogan, M.D.

APRIL 17–21
ECHOCARDIOGRAPHY REVIEW COURSE FOR BOARDS AND RECERTIFICATION
Hilton Rochester, Rochester, MN
Garvan C. Kane, M.D., Ph.D.
Jae K. Oh, M.D.

APRIL 17
CONTEMPORARY CARDIOVASCULAR CARE
Waterfront Restaurant, La Crosse, WI
Tahir Tak, M.D., Ph.D.
MAY 13–16

BASIC TO ADVANCED ECHOCARDIOGRAPHY

Hilton Head Marriott, Hilton Head Island, SC

Sunil V. Mankad, M.D.
Crystal R. Bonnichsen, M.D.
Naser M. Ammash, M.D.
Fletcher A. Miller, Jr., M.D.
Pamela R. Burgess, RDCS, RDMS, RVT

MAY 14–16

FOUNDATIONS IN CARDIOLOGY PRACTICE

Omni Scottsdale Resort at Montelucia, Scottsdale, AZ

Michelle L. Alland, APRN, MSN, F.N.P.-C.
Melanie L. Blair, APRN
Gayle L. Flo, APRN, C.N.P.
Dan Sorajja, M.D.

JUNE 4–7

ECHO/IMAGING NEW YORK: STATE-OF-THE-ART

Crowne Plaza Times Square Manhattan, New York, NY

Jae K. Oh, M.D.
Rebecca Hahn, M.D.
JUNE 18–20
CARDIAC RHYTHM DEVICE SUMMIT: IMPLANTATION, MANAGEMENT, AND FOLLOW UP
Intercontinental New York Times Square, New York, NY
Yong-Mei Cha, M.D.
Paul A. Friedman, M.D.
Fred Kusumoto, M.D.

JUNE 27–28
HEART FAILURE UP NORTH: PRACTICAL APPROACHES TO THE MANAGEMENT OF CONGESTIVE HEART FAILURE
Madden’s on Gull Lake, Brainerd, MN
Brooks S. Edwards, M.D.
Daniel D. Borjeson, M.D.
Shannon M. Dunlay, M.D., M.S.

JULY 13–17
ECHO ALASKA: FRONTIERS OF MULTIMODALITY IMAGING INCLUDING ECHO, CARDIAC CT AND MRI
Sheraton, Anchorage, AK
Crystal R. Bonnichsen, M.D.
Garvan C. Kane, M.D., Ph.D.
Frank Cetta, Jr., M.D.
Grace Lin, M.D.
Eric E. Williamson, M.D.
JULY 23–25

CURRENT APPLICATIONS AND FUTURE OF ARTIFICIAL INTELLIGENCE IN CARDIOLOGY
Intercontinental San Francisco, San Francisco, CA

Francisco Lopez-Jimenez, M.D.
Itzhak Zachi Attia, Ph.D., M.S.
Patricia A. Pellikka, M.D.
Suraj Kapa, M.D.
Peter A. Noseworthy, M.D.

JULY 26–28

SUCCESS WITH FAILURE: STRATEGIES FOR THE EVALUATION & TREATMENT OF HEART FAILURE
Fairmont Chateau Whistler, Whistler, BC, Canada

Barry A. Borlaug, M.D.
Brooks S. Edwards, M.D.
Barry L. Karon, M.D.

JULY 30–AUGUST 2

MAYO CLINIC CARDIOLOGY UPDATE 2020: THE HEART OF THE MATTER
Enchantment Resort, Sedona, AZ

Luis R. Scott, M.D.
Carolyn Larsen, M.D.
Eric H. Yang, M.D.
AUGUST 22–26
CARDOVASCULAR BOARD REVIEW FOR INITIAL CERTIFICATION AND RECERTIFICATION
Mayo Civic Center, Rochester, MN
Steve R. Ommen, M.D., Rick A. Nishimura, M.D.

AUGUST 27
ECHO FOCUS SESSION
Kyle W. Klarich, M.D., Vuyisile T. Nkomo, M.D., M.P.H.

SEPTEMBER 9–11
INTERNAL MEDICINE REVIEW FOR NURSE PRACTITIONERS, PHYSICIAN ASSISTANTS AND PRIMARY CARE PROVIDERS
Rochester, MN
David A. Foley, M.D.
Danika M. Nelson, APRN, C.N.P.
Jennifer A. Bold, APRN, C.N.P.
Jason S. O’Grady, M.D.

SEPTEMBER 12–15
ADVANCED CATHETER ABLATION: NEW TIPS, TECHNIQUES AND TECHNOLOGIES FOR COMPLEX ARRHYTHMIAS
Fairmont Copley Plaza, Boston, MA
Douglas L. Packer, M.D.
David J. Wilber, M.D.
William G. Stevenson, M.D.
SEPTEMBER 18–20
INTERVENTIONAL CARDIOLOGY BOARD REVIEW
Hilton Rochester, Rochester, MN
Gregory W. Barsness, M.D.
Abhiram Prasad, M.D.
Eric H. Yang, M.D.

SEPTEMBER 24–26
THE GENETICS OF HEART & VASCULAR DISEASE
Sheraton Grand Wild Horse Pass, Phoenix, AZ
Michael J. Ackerman, M.D., Ph.D.
Naveen L. Pereira, M.D.
Iftikhar J. Kullo, M.D.

SEPTEMBER 25–27
CHALLENGES IN CLINICAL CARDIOLOGY: A CASE-BASED UPDATE
Radisson Blu Aqua Hotel, Chicago, IL
Charles J. Bruce, M.D.
Heidi M. Connolly, M.D.
OCTOBER 1–4
ECHOCARDIOGRAPHY IN PEDIATRIC & ADULT CONGENITAL HEART DISEASE
Sheraton Grand Wild Horse Pass, Phoenix, AZ
Patrick W. O’Leary, M.D.
Frank Cetta, Jr., M.D.
Crystal R. Bonnichsen, M.D.
M. Yasir Qureshi, M.B.B.S.

OCTOBER 11–13
ECHO REVOLUTION: ADULT ECHOCARDIOGRAPHY FOR PHYSICIANS AND SONOGRAPHERS
Fairmont Copley Plaza, Boston, MA
Patricia A. Pellikka, M.D.
Sunil V. Mankad, M.D.

OCTOBER 16–17
ATRIAL FIBRILLATION AND STROKE
Grand Hyatt, Seattle, WA
Thomas Munger, M.D.
Peter Noseworthy, M.D.
Douglas Packer, M.D.
OCTOBER 21 – 24

CASES IN ECHOCARDIOGRAPHY, CARDIAC CT AND MRI

The Meritage, Napa, CA

Heidi M. Connolly, M.D.
Rick A. Nishimura, M.D.
Fletcher A. Miller, Jr., M.D.

OCTOBER 30 – NOVEMBER 1

CORONARY ARTERY DISEASE: CASE-BASED LEARNING

The Ritz-Carlton, Laguna Niguel, Dana Point, CA

Malcolm R. Bell, M.D.
Rajiv Gulati, M.D., Ph.D.

OCTOBER DATES TBD

MULTIMODALITY CARDIAC IMAGING IN MARGARITAVILLE

Casa Marina, A Waldorf Astoria Resort, Key West, FL

Carolyn Landolfo, M.D.
Patricia J. Mergo, M.D.
Brian P. Shapiro, M.D.
NOVEMBER 4 – 7
CARdiovascular review in bahrain: a case-based approach
Gulf Convention Center, Manama, Bahrain

Naser M. Ammash, M.D.
Joseph F. Maalouf, M.D.
Haitham Amin, M.D.

NOVEMBER TBD
Echocardiography best practice in patient care and clinical trials
Scottsdale, AZ

Hari P. Chaliki, M.D.
Jae K. Oh, M.D.
Vuyisile T. Nkomo, M.D., M.P.H.
Tasneem Z. Naqvi, M.D.

DECEMBER 3 – 6
ECG and heart rhythm: a case-based approach
Westin Kierland Resort and Spa, Scottsdale, AZ

Paul A. Friedman, M.D.
Komandoor Srivathsan, M.D.
Dan Sorajja, M.D.
DECEMBER 10–12
THE HEART BEAT OF CARDIOLOGY
The Ritz-Carlton, Chicago, IL
Steve R. Ommen, M.D.
Roberto M. Lang, M.D.

DECEMBER 17–20
ECHO ON MARCO ISLAND: CASE-BASED APPROACH
Marco Island Marriott, Marco Island, FL
Naser M. Ammash, M.D.
Rekha Mankad, M.D.

DATES TBD
COMPLEX ABLATION AND DEVICE TRACING SUMMIT
Location TBD, New York, NY
Komandoor Srivathsan, M.D.
Win-Kuang Shen, M.D.