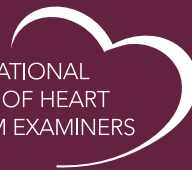




# IBHRE: A Community that's Shaping the Future

**IBHRE**

INTERNATIONAL  
BOARD OF HEART  
RHYTHM EXAMINERS



Fiscal Year  
**2021**

**ANNUAL  
REPORT**

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## IBHRE: A Year in Review

IBHRE is a catalyst for excellence. Our ability to achieve this status is largely due to the efforts of its leadership and subject matter experts (SMEs), including its Ambassadors, committee members, and partners. As such, the IBHRE Board of Directors applauds the fortitude of the entire the IBHRE community and celebrates the organization's successes while having to navigate global challenges.

In Fiscal Year (FY) 2021, IBHRE continued to focus on its six core values outlined in its 2020-2022 Strategic Plan

- Excellence
- Professionalism
- Collaboration
- Visionary Leadership
- Continuing Competency
- Diversity

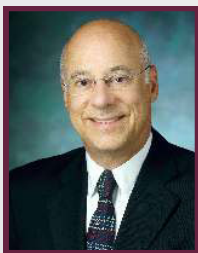
These values guided IBHRE through the development and execution of three major initiatives in FY2021.

- Launching the Cardiac Device Remote Monitoring Specialist (CDRMS) certification;
- Developing business rules for a new certification maintenance program, IBHRE-C3 (Continuous Competency, Continuous Learning, Continuous Certification); and,
- Initiating job task analysis study processes for each IBHRE certification exam.

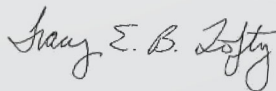
While the CDRMS exam was launched in FY2021, we began implementation of IBHRE-C3 in FY2022. In addition, we anticipate the development of new exam content outlines based upon the job task analyses in FY2022.

IBHRE's Board of Directors and staff collaborated with the IBHRE community, particularly SMEs, to ensure that priorities were timely and consistent. In spite of restrictions due to global events, we pooled our knowledge, built upon our years of professional excellence, and offered new educational opportunities for IBHRE-certified specialists.

On behalf of the IBHRE Board of Directors, thank you for your continued support. Together, we have become stronger, and we continue to make a significant difference within the field of heart rhythm management.

A handwritten signature in black ink that reads "Charles J. Love".

**Charles J. Love**  
MD, FACC, FHRS, FAHA, CCDS  
President, IBHRE

A handwritten signature in black ink that reads "Tracy E. B. Lofty".

**Tracy Loft**  
MSA, CAE  
Chief Executive Officer, IBHRE

## ABOUT IBHRE

IBHRE is a self-governing organization that provides competency certification in the fields of cardiac rhythm device therapy, cardiac device remote monitoring, and electrophysiology for both physicians and allied professionals. Certification exams are developed and administered to assess the scientific foundation, clinical skills, and technical knowledge practitioners and industry experts require to provide and facilitate safe quality patient care in the management of arrhythmias.

Since 1985, IBHRE has set the standard for global certification in heart rhythm management and recognition of cardiac care professionals for their skills in this unique specialty. By earning IBHRE certification, heart rhythm professionals demonstrate professional excellence in their field. These professionals make up more than 10,000 physicians and allied professionals worldwide who have earned one or more of the following credentials:

- Certified Cardiac Device Specialist (CCDS)
- Certified Cardiac Device Specialist – Japan Device Representative (CCDS-JDR)
- Certified Electrophysiology Specialist (CEPS)
- Certified Electrophysiology Specialist – Adult (CEPS-A)
- Certified Electrophysiology Specialist – Pediatric (CEPS-P)

### Our Mission

IBHRE's mission is to enrich and validate the heart rhythm professional's knowledge in order to assure the highest quality of care delivered to their patients.

### Our Vision

To become the global leader in heart rhythm certification.

### IBHRE Strategic Plan

IBHRE's FY2020-FY2022 strategic plan outlines IBHRE goals and objectives, as well as long-range goals.

Please click [here](#) to view the strategic plan.

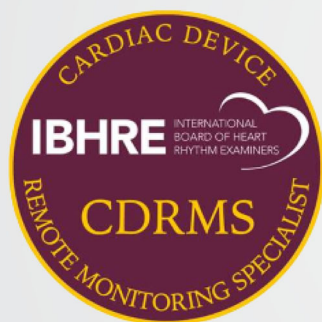


## LEADERSHIP AND EXCELLENCE

In FY2021, 1,118 heart rhythm professionals sat for IBHRE exams. To date, individuals from 65 countries have earned IBHRE certification. The following chart outlines exams administered during FY2021:

| Examination | Date           | Examinees | Pass | Fail |
|-------------|----------------|-----------|------|------|
| CEPS        | June 2021      | 216       | 182  | 34   |
| CCDS        | August 2021    | 423       | 286  | 137  |
| CEPS-A      | October 2020   | 19        | 19   | 0    |
| CEPS-P      | October 2020   | 12        | 12   | 0    |
| CCDS-JDR    | September 2021 | 448       | 222  | 226  |

### Cardiac Device Remote Monitoring Specialist (CDRMS) Exam Registration



During FY2021, the Device Remote Monitoring Test Writing Committee and Prometric, a global testing agency, developed the CDRMS exam based upon a body of knowledge developed by SMEs. More than 70 individuals registered for this 150-item, multiple choice, computer-based examination.

The CDRMS examination validates the competency and knowledge level of practitioners who employ Remote Patient Monitoring (RPM) in the care of patients with heart rhythm disorders. It is designed for technicians, nurses and other allied professionals who have adopted RPM as a routine component of their healthcare delivery process of monitoring cardiac implantable electronic devices (CIEDs).

For information about the CDRMS, go to [IBHRE.org](https://ibhre.org) to view the certification's [Eligibility Requirements](#) and the [Exam Content Outline](#).

### IBHRE's New Certification Maintenance Program



IBHRE is gradually moving away from the ten-year comprehensive examination for maintaining certifications. With the assistance of IBHRE's test writing committees, the IBHRE-C3 Committee, and Ambassadors, initial steps for a continuous maintenance program, IBHRE-C3 (Continuous Competency, Continuous Learning, Continuous Certification) were implemented.

The IBHRE-C3 program enables IBHRE-certified specialists to maintain their certification by engaging in a real time, relevant, and contemporary educational experience that keeps them current on trends and developments in their specialty area. During FY2021, test writing committee members began developing assessments based on core principals presented in selected scientific articles.

The IBHRE-C3 program launches in FY2022. For information about the IBHRE-C3 program, visit [ibhre.org/IBHRE-C3](https://ibhre.org/IBHRE-C3).

## International Accreditation



**ANSI** National Accreditation Board

IBHRE is committed to maintaining excellence by meeting international standards. Thus, it continues to maintain accreditation of its certification programs through the ANSI National Accreditation Board (ANAB).

In FY2021, IBHRE successfully completed the first year review of the 5-year accreditation cycle. Documentation of compliance for each standard was submitted in January 2021 and the review was conducted in March 2021.

ANSI is a global leader in operating standards and conformity assessment systems, and represents the highest standard in personal certification accreditation. IBHRE's certification programs are internationally accredited under ANSI/ISO/IEC17024 (General Requirements for Bodies Operating Certification Systems of Persons) (ANSI Accredited Certified - #0787).

## IBHRE Recognition Awards



Eliza Peters, FHRS, CEPS, CCDS, and Mike A. Black, CEPS, NREMT-P, WA-RCIS, CVT, were the recipients of the 2021 IBHRE Ambassadors of the Year Award, in recognition for their outstanding contributions as Ambassadors, and for helping to advance IBHRE's mission. Click [here](#) to read the news release.

# BRAND AWARENESS AND COMMUNICATIONS

## IBHRE Ambassadors

To date, IBHRE has recruited nearly 60 Ambassadors whose goal is to help elevate IBHRE's mission and its brand worldwide. By promoting IBHRE certifications, educating colleagues, and mentoring individuals who seek to earn an IBHRE credential, Ambassadors reinforce the value of IBHRE certification.

In her second year, Laurie Newmark, RN, CCDS, currently serves as Chair of the IBHRE Ambassador Committee. During FY2021, all new Ambassadors participated in an orientation led by Newmark. In addition, remote meetings and outreach efforts were conducted.

## IBHRE Mentorship Program

Individuals seeking mentors are partnered with Ambassadors who are available to mentor remotely. Since 2017, nearly 100 professionals have received mentorship.

## IBHRE 2021 Scholarship Recipients

For the seventh year, IBHRE has offered scholarships to allied professionals pursuing certification. The scholarship is designed to help underwrite the cost of the certification exam for heart rhythm professionals with limited professional development resources. This financial assistance may be utilized for the Certified Cardiac Device Specialist (CCDS) or the Certified Electrophysiology (CEPS) certification.

Scholarships are applied to registration cost and, if applicable, recipients receive a one year membership to the Heart Rhythm Society. Scholarship applicants are evaluated based upon references, financial need, personal statement, and short/long term career goals. In July 2021, IBHRE awarded scholarships to the following individuals,

- Nadia De Jager of Cape Town, South Africa
- Aaron Whittington of Atlanta, Georgia, USA

Click [here](#) to learn more about the IBHRE Scholarship Program.

## IBHRE Communications

IBHRE continues to utilize its electronic newsletter, *IBHRE Source*, to keep certified specialists abreast of IBHRE developments. To reach a wider audience, IBHRE leverages social media platforms (Facebook, Twitter, and LinkedIn) to share certification news, announce exam dates, and promote activities, and utilizes YouTube and Vemio to promote video content. Click [here](#) to review past issues of *IBHRE Source*.

## IBHRE Day

The annual IBHRE Day celebration was held and certified specialists celebrated around the world. On February 8, 2021, IBHRE-certified specialists shared how IBHRE certification impacts their ability to deliver improved patient care; and peers and employers recognized colleagues, co-workers and employees.



### IBHRE-CCI Joint Webinar

This fiscal year, IBHRE offered a special IBHRE Day webinar in partnership with Cardiovascular Credentialing International (CCI) to educate specialists on the IBHRE-CCI Electrophysiology (EP) Professional Continuum, a career pathway designed for IBHRE- and CCI-certified professionals. The webinar attracted 322 registrants!

Other virtual events hosted in FY2021 included:

### Professional Trends in Cardiac Device Remote Monitoring

Speakers: Dr. James Allred, FACC, FHRS and  
Amber Seiler, NP, FHRSCV  
Remote Solutions, PC  
Webinar - 362 Registrants/Subscribers



### Certification in Cardiac Device Remote Monitoring: Question & Answer Session

Facilitator: Laurie Newmark, RN, CCDS  
Heart Watch Solutions  
Chair, IBHRE Ambassadors Committee  
Facebook Live Chat – 75 Registrants/Subscribers



### Advanced Credentialing & Accreditation for Cardiac Device Clinics

Speakers: Frank Vermeiren, MS, RT (R)(CV), RDCS  
Intersocietal Accreditation Commission (IAC); and  
Christine Greaves, RN, BSN  
IowaHeart Center Webinar – 170 Registrants/Subscribers



BRINGING THE WORLD  
OF EP TOGETHER

### IBHRE Lounge

In addition, several presentations were scheduled in the IBHRE Lounge during Heart Rhythm 2021 (HR2021) in Boston, Massachusetts. IBHRE also made use of the exhibit hall to provide information to interested professionals.



## STRATEGIC ALLIANCES

### Collaborative Partnerships

Japan Heart Rhythm Society (JHRS) and the Japan CDR Center (JCC) IBHRE continue to partner with IBHRE to deliver a Japanese-language CCDS-Japan Device Representative (JDR) exam. During FY2021, 448 examinees sat for the exam.

### CCI, CHART, and HRS

IBHRE continues to partner with the following organizations to expand the reach of IBHRE certification, and to bring continuing education opportunities to certified specialists:

#### Heart Rhythm Society

IBHRE continues to collaborate with HRS providing value-added educational resources to IBHRE-certified specialists. In doing so, HRS delivered an informative presentation during Heart Rhythm 2021 in the IBHRE Lounge. In addition, IBHRE shared the CDRMS exam content outline with HRS' education team. The organizations look forward to future collaborations regarding remote monitoring.

#### Cardiovascular Credentialing International

IBHRE solidified its partnership with CCI with the development and launch of the EP Professional Continuum, an advanced certification pathway for CCI's Registered Cardiac Electrophysiology Specialists (RCES) and Registered Cardiovascular Invasive Specialists (RCIS). The Continuum allows CCI-certified specialists to leverage their entry or standard level RCES or RCIS credential to earn an IBHRE certification. A special IBHRE Day webinar was held to promote the new professional development opportunity. Click [here](#) to read more on the IBHRE-CCI partnership.

#### CHART Healthcare Academy

IBHRE continues to grow its partnership with CHART. In doing so, the organizations co-presented a session in the IBHRE Lounge during Heart Rhythm 2021. In addition, IBHRE has collaborated with CHART to negotiate discount rates on CHART's EP educational offerings.

## ORGANIZATIONAL STRUCTURE AND GOVERNANCE

IBHRE Board of Directors convened its Annual Business Meeting on July 27, 2021, during a hybrid meeting in which Board members participated virtually and in-person. The meeting was held in Boston, MA during HR2021. Please see a listing of IBHRE Board of Directors in the Appendix on page 14.

### Test Writing Committees

During FY2021, Job Task Analysis Task Forces collaborated with Prometric to conduct a job task analysis for the CCDS, CEPS, CEPS-A, and CEPS-P certification exams. Each job task analysis study serves as the foundation for the certification exam content outline. As test development responsibilities are transitioning from the National Board of Medical Examiners to Prometric, the studies were conducted by Prometric.

Due to the leadership of IBHRE's test writing committee chairs, and the commitment of committee members, IBHRE continues to offer exams that reflect the knowledge and skills necessary for practice. During FY2021, IBHRE certification exams were developed and reviewed by the test writing committees. Committee members participated in various activities, including item writing training, item writing assignments, review sessions, and standard-setting studies.

## KNOWLEDGE CREATION AND DISSEMINATION

Launched in 2018, IBHRE's Cardiac Device Education and Self-Assessment (CDESA) course continues to offer relevant knowledge and serve as a valuable resource for individuals preparing for IBHRE certification. To date, more than 700 courses have been purchased.

Offered at a discounted rate of \$399, this course is the ideal complement to an existing curriculum. As such, group discounts are available for industry and professional organizations, as well as for academic institutions that want to integrate the CDESA into their program.

Industry & Professional Organizations per order (1-year access)

10-25 courses

10% discount

25-49 courses

15% discount

50+ courses

20% discount

Academic Institutions per order (2-year access)

- 6 or more courses: 10% discount
- To learn about the CDESA course, visit [ibhre.org/CDESA](http://ibhre.org/CDESA).
- To view the CDESA video demonstration, click [here](#).

## FISCAL MANAGEMENT

IBHRE's Finance Committee conducted meetings in FY2021 to monitor the financial stability of the organization.

Rogers & Company, an accounting firm contracted through HRS, conducted the independent financial auditor's review of IBHRE's FY2021 financial statements. IBHRE's financial audit satisfactorily confirmed that, as of the fiscal year-end date, September 30, 2021, IBHRE's financial report and accounting systems were an accurate representation of its financial position.

HRS is a related party to IBHRE, with the HRS president serving as an ex-officio member of IBHRE's Board of Directors. HRS employees or contracted employees perform all functions necessary to carry out IBHRE's mission, including collecting exam registration fees on its behalf. IBHRE reimburses HRS for operational expenses.

In FY2021, total operating and support revenue earned based upon registration fees, interest and dividends (Net), royalty and licenses, and miscellaneous income was \$1,436,144. Expenses totaled \$1,247,942, with management and general expenses of \$174,571 and program expenses of \$1,073,371. Net realized and unrealized gain on investments totaled a gain of \$389,767. The above activity resulted in a fiscal year - end unrestricted net asset of organization net worth of \$3,581,475. The end of the year net assets increased from \$3,003,506 in FY2020.





## **APPENDIX**

(Board of Directors and Committee Lists)



### **IBHRE Board of Directors**

**President:** Charles J. Love, MD, FACC, FHR, FAHA, CCDS

**Vice President/Treasurer:** Edward V. Platia, MD, FHR, CCDS, CEPS-A

**Secretary:** Christine Chiu-Man, MSC, FHR, CCDS, CEPS

Jay N. Gross, MD, CCDS

Marleen E. Irwin, FHR, RCRT, CCDS

Toshiyuki Ishikawa, MD, FHR

Elsie M. Kelly (Public Member)

Fred M. Kusumoto, MD, FHR

Aparna Jaswal, MD, DNB, FACC, FHR, FESC, CCDS

Amy S. Leiserowitz, RN, FHR, CCDS

Neil F. Strathmore, MBBS, FHR, CCDS

George F. Van Hare, MD, FHR, CEPS-P

Esther Weiss, MSN, APN, CNS, FHR, CEPS

### **Review and Appeals Committee**

Marleen E. Irwin, FHR, RCRT, CCDS (Chair)

Christine Chiu-Man, MSC, FHR, CCDS, CEPS

Jay N. Gross, MD, CCDS

Charles J. Love, MD, FACC, FHR, FAHA, CCDS

Edward V. Platia, MD, FHR, CCDS, CEPS-A

### **Finance Committee**

Edward V. Platia, MD, FHR, CCDS, CEPS-A (Chair)

Jay N. Gross, MD, CCDS

George F. Van Hare, MD, FHR, CEPS-P

### **Physician and Allied Professional Pacing Test Writing Committee**

Charles J. Love, MD, FACC, FHR, FAHA, CCDS (Co-Chair: Physician)

Marleen E. Irwin, FHR, RCRT, CCDS

(Co-Chair: Allied Professional)

Amin Al-Ahmad, MD, FHR, CCDS

George H. Crossley, MD, FHR, CCDS

N.A. Mark Estes, III, MD, FHR, CCDS

Jay N. Gross, MD, CCDS

Amy S. Leiserowitz, RN, FHR, CCDS

Angela Naperkowski, RN, FHR, CCDS, CEPS

Linda K. Ottoboni, PhD, CNS, FHR, CCDS

Edward V. Platia, MD, FHR, CCDS, CEPS-A

Troy E. Rhodes, MD, PhD, FHR, CCDS

Jason Riley, BS, CCDS

Judith Soberman, MD, MHA, FHR, CCDS

Chenni S. Sriram, MBBS, MD, FHR, CCDS, CEPS-P

Neil F. Strathmore, MBBS, FHR, CCDS

Ajit Thachil, MD, CCDS

Julie Thomas, PA-C, CCDS

Bruce L. Wilkoff, MD, FHR, CCDS

Raymond Yee, MD, CCDS, CEPS-A

### **Allied Professional EP Test Writing Committee**

Christine Chiu-Man, MSC, FHR, CCDS, CEPS (Co-Chair)

Edward V. Platia, MD, FHR, CCDS, CEPS-A (Co-Chair)

Deepak Bhakta, MD, FHR, CCDS

Susan J. Blancher, ARNP, MSN, CEPS

Melissa Harding, MPAS, PA-C, CCDS, CEPS

Antonio Navarrete, MD, FHR, CCDS, CEPS-A

Akihiko Nogami, MD, PhD

Brian Olshansky, MD, FHR

Luke Shanahan, BS, MBA, CCDS, CEPS

Esther Weiss, MSN, APN, CNS, FHR, CEPS

Chunja Yoo, BSN, CEPS, CCDS

### **Physician EP Test Writing Committee**

Edward V. Platia, MD, FHR, CCDS, CEPS-A (Co-Chair)

George F. Van Hare, MD, FHR, CEPS-P (Co-Chair)

Deepak Bhakta, MD, FHR, CCDS, CEPS-A

Christine Chiu-Man, MSC, FHR, CCDS, CEPS

Andrew Davis, MBBS, MD, FHR, CEPS-P

Susan Etheridge, MD, FHR, CEPS-P

June Huh, MD, PhD, CEPS-P

John R. Jacob, BS, MB, MBBS, MD, CCDS,

CEPS-A (IHR Representative)

Ronald J. Kanter, MD, FHR, CEPS-P

Bharat K. Kantharia, MD, FHR (IHR Representative)

Akihiko Nogami, MD, PhD

Brian Olshansky, MD, FHR, CCDS

Adelqui Peralta, MD, FHR, CCDS, CEPS-A

Maully Shah, MBBS, FHR, CCDS, CEPS-P

Sunil K. Sinha, MD, FHR

Timothy W. Smith, MD, DPhil, FHR

Michael D. Spartalis, MD, FESC, FEHRA,

FACC, CCDS, CEPS-A

Elizabeth Stephenson, MD, CCDS, CEPS-P

### **Device Remote Monitoring Test Writing Committee**

Charles J. Love, MD, FACC, FHR, FAHA, CCDS (Co-Chair)

Marleen E. Irwin, FHR, RCRT, CCDS (Co-Chair)

Amy S. Leiserowitz, RN, FHR, CCDS (Co-Chair)

Wai Kah Choo, MD, FHR, CCDS, CEPS-A

Laura De Souza, BS, RCT, CCDS

Braden Dinham, BAPPSC, CEPS, CCDS

Julie Mease, NP, CCDS

Laurie J. Newmark, RN, CCDS

Stuart Schechter, MD, CCDS

Anitha Gnana Sekar BS, PA, MSc, CEPS, CCDS

Karen Smoots, MSN, CCDS

### **Continuous Learning Task Force**

Laurie J. Butts, BSN, CCDS (Co-Chair, Pacing & Defibrillation)

Bruce L. Wilkoff, MD, FHRS, CCDS

(Co-Chair, Pacing & Defibrillation)

Deepak Bhakta, MD, FHRS, CCDS,

CEPS-A (Co-Chair, Electrophysiology)

Shufen Liang, BS, CEPS, CCDS

(Co-Chair, Electrophysiology)

Charles J. Love, MD, FACC, FHRS,

FAHA, CCDS (Advisor)

Maully Shah, MBBS, FHRS, CCDS, CEPS-P

### **IBHRE Ambassadors**

Laurie J. Newmark, RN, CCDS (Chair)

Shaumik Adhya, MBBS, MD, FHRS, CCDS, CEPS-A

Subhashish Agarwal, MD, CCDS

Robert-Marian Alexandru, BENG, CEPS

Enrico Asidao, CEPS

Ricardo A.D. Bernardo, RCPT, CEPS

Mike A. Black, CVT, NREMTP, CEPS

Anna S. Borisov, AA, AAS, AS, CEPS

Jennifer Busch, BSN, CEPS

Alex Cambridge, BS, CCDS

Nagendran Chellapandi, CCDS

Wai Kah Choo, MD, CCDS, CEPS-A

Laura Cleave, BAPPSC, CCDS

Darren Paul Coombes, BS, MA, CCDS

Braden Dinham, BAPPSC, CEPS, CCDS

Xiao Dong, CCDS

Harlie L. Ferguson, AS, CEPS

Joe Giron, RCES, RCIS, RN, CEPS

Amy Grier, BSN, RN, CCDS

Gabriella Haftel, BSN, RN, CCDS

William F. Heddle, BS, MB, MBBS, MD, FHRS, CCDS

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Ahmed Abdellatif Hussein, MB, CCDS, CEPS

Aparna Jaswal, MD, DNB, FACC, FHRS, FESC, CCDS

Adam Jensen, CCDS

Bharat K. Kantharia, MD, FHRS

Robert J. Krasowski, MD, CCDS

James Lambert, MBBS, CCDS

Chun Yu Leung, MBChB, CEPS-A

Shufen Liang, BS, CEPS, CCDS

Sootkeng Ma, MD, CCDS, CEPS

Gareth Mackin, BS, CCDS

Pattarapong Makarawate, MD, MS, FHRS,

CCDS, CEPS-A

Anastasios Manaris, MD, FHRS, CCDS

Charlotte Mehegan, CCDS

Connal Monro, MHS, CEPS

Frances C. Munkenbeck, MD, FHRS, CCDS

Sotiros Nedios, MD, PhD, FHRS, CEPS-A, CCDS

Binh Van Nguyen, AD, CCDS

Mital M. Patel, MD, CCDS

Tristan Pendergrass, FHRS, CCDS, CEPS

Eliza Peters, FHRS, CCDS, CEPS

Saravanan Ramachandran, CVT, RCES, RCIS,

CEPS, CCDS

Sabarivasan Ramaswamy, CCDS, CEPS

Jay Charles Reid, BS, BSN, RN, CCDS

Priscilla Roman, CCDS Testamur

Kevin Ruben, BS, CEPS

Anitha Gnana Sekar, BS, PA, MSc, CEPS, CCDS

Stuart O. Schecter, MD, CCDS

Kylee Schesser, BS, CCDS

Chenni Sriram, MD, FHRS, CCDS, CEPS-P

Hai Minh Vu, CCDS

Correna L. West, BS, RCIS, RTR, CEPS

Robert Lee Williams, BS, CCDS

### **Scholarship Committee & Review Panel**

Laurie J. Newmark, RN, CCDS (Chair)

Mike A. Black, CVT, NREMTP, CEPS

Wai Kah Choo, MD, CCDS, CEPS-A

William F. Heddle, BS, MB, MBBS, MD, FHRS, CCDS

Frances C. Munkenbeck, MD, FHRS, CCDS

### **Japan Test Translation Committee**

Toshiyuki Ishikawa, MD, FHRS (Chair)

Yasuya Inden, MD, PhD (Vice-Chair)

Katsuhiko Imai, MD, PhD

Ritsuko Kohno, MD, PhD

Masahiko Takagi, MD, PhD, FHRS

Takashi Tokano, MD, PhD

Toshiko Nakai, MD, PhD

Nobuyuki Nishii, MD, PhD

Takashi Noda, MD, PhD, FHRS

Katsumi Matsumoto, MD

Yasushi Miyauchi, MD, FHRS

Junya Hosoda, MD

Takashi Tokanom, MD, PhD

Shingo Sasaki, MD

Toshiaki Sato, MD, PhD

Itsuro Morishima, MD

Yoshinori Kobayashi, MD, CEPS-A

Akihiko Nogami, MD, PhD,

### **Allied Professional EP Job Task Analysis Task Force**

Robert-Marian M. Alexandru, BENG, CEPS  
Tony Anno, DNP, ACNP, RDCS, FHRS, CEPS, CCDS  
Laura Brodie, BS, CHP, CEPS, CCDS  
Deepak Bhakta, MD, FHRS, CCDS, CEPS-A  
Janelle Guerrero, MS, RCES, CEPS  
Urszula Hanigel, BS, MPH, CEPS  
Melissa Harding, PAC, CEPS, CCDS  
Krista Hicks, BS, CEPS, CCDS  
Sherif Ibrahim, BSBME, CEPS  
Chang-Hee Lee, MSci, CEPS  
Laurel Racenet, MSN, FNP, FHRS, CEPS, CCDS  
Saravanan Ramachandran, CVT, RCES, RCIS, CEPS, CCDS  
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Esther Weiss, MSN, APN, CNS, FHRS, CEPS

### **Device Remote Monitoring Task Team**

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Scott Turner, BAppSc (HMS),  
GradDipCardiacEP, CCDS, CEPS

### **Physician and Allied Professional Pacing Job Task Analysis Task Force**

Laurie Butts, BSN, CCDS  
Antonio Fernandez, MBA, CCDS  
Sarah Fritzsche, BS, CCDS  
Zachary Goldberger, MD, MS, FHRS, CCDS  
Jivendra Gosai, MBChB, CCDS  
Andrew Hordes, MD, FHRS, CCDS  
Janette Hoy, BS, CCDS  
Khalil Kanjwal, MD, FHRS, CCDS, CEPS-P  
Jason Kindler, BS, CCDS  
Kirsten Kooiman, PA, CCDS  
Crystaljade Lau, BSN, MSN, CCDS  
Amardeep Mann, MBBS, BS, CCDS  
Julie Mease, NP, CCDS  
Frances Munkenbeck, MA, MD, FHRS, CCDS  
Ulhas Pandurangi, Sr., MBBS, MD, CCDS  
Wasim Rashid, MD, CCDS  
Michail Spartalis, MD, MS, CCDS, CEPS-A  
Kylie Todd, BS, CCDS  
Angela Tsiperfal, ACNP, FHRS, CCDS  
Ela Vidovic, BM, MS, MSBME, CCDS

### **Physician EP Job Task Analysis Task Force**

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Deepak Bhakta, MD, FHRS, CCDS, CEPS-**Adult**  
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