GRADUATE DIPLOMA
CARDIAC ELECTROPHYSIOLOGY

THE ONLY DEDICATED COURSE IN CARDIAC EP CERTIFIED AND RECOGNISED THROUGHOUT AUSTRALIA

cepia.com.au
info@cepia.com.au
+61 (0) 403 767 761

Course Director:
Jason Riley, BSc, Grad Dip Cardiac EP
Certified EP and Device Specialist (IBHRE)
Director, Cardiac Electrophysiology Institute of Australasia (CEPIA)

Academic Course Co-Director:
Associate Professor Haris Haqqani MBBS (Hons) PhD FRACP FCSANZ FHRS
Senior Cardiologist and Electrophysiologist
Prince Charles Hospital, Brisbane, QLD, Australia

Faculty Members:
Dr Stephen Pavia, MBBS FRACP
Electrophysiologist
Wesley Hospital, Brisbane, QLD, Australia

Dr Russell Denman, MBBS FRACP
Director Electrophysiology
Prince Charles Hospital, Brisbane, QLD, Australia

Dr Vincent Deen, MBBS FRACP
Electrophysiologist
Prince Charles Hospital, Brisbane, QLD, Australia
Wesley Hospital, Brisbane, QLD, Australia

Qualified Assessors:
Jason Riley, BSc, Grad Dip Cardiac EP
Cardiac Device and EP Specialist (IBHRE)

Scott Turner, BAppSc (HMS), Grad Dip Cardiac EP
Cardiac Device Specialist (IBHRE)

One free iPad loaded with full course material per GradDip registrant

HANDS-ON SESSIONS
Two days of live ablation
Wet lab ablation
3D mapping
Anatomical cardiac dissection
Video Tutorials

Supported by:
Who should attend?

> Cardiac physiologists
> EP fellows
> EP registrars
> Other allied professionals interested in cardiac EP

Programme description

The CEPIA Graduate Diploma of Cardiac Electrophysiology (EP) is designed to be a comprehensive overview of all facets of contemporary cardiac electrophysiology, from cellular physiology to advance mapping techniques with an emphasis on the analysis of intracardiac recordings.

Theoretical and practical skills endow participants with the ability to perform any diagnostic or invasive EP procedure, from syncope studies to atrial fibrillation ablation procedures.

Enrolment prerequisites

The educational eligibility criteria are:

> The possession of an appropriate Bachelor degree equivalent to working in the therapeutic area of electrophysiology, or a demonstrated equivalence to an appropriate degree, and
> Current active employment in the field of cardiac electrophysiology with direct access to an EP lab and be personally performing and/or participating in EP procedures.

Objectives

To achieve comprehensive knowledge of the:

> technical and clinical concepts of cardiac EP
> role of EPS in managing patients with bradyarrhythmias and tachyarrhythmias
> recognition and differentiation of bradyarrhythmias and tachyarrhythmias
> aetiology, features, progression, prognosis and EP characteristics of bradyarrhythmias and tachyarrhythmias
> indications, risks and treatment methods of bradyarrhythmias and tachyarrhythmias
> mechanisms of supraventricular and ventricular arrhythmias, electrophysiological diagnostic manoeuvres, ablative and mapping techniques
> principles, methods and biophysics of ablation
> endpoints, success and recurrence rates of pharmacologic and ablative treatment methods.

Course content

The course contains nine units of competency. Embedded in the required knowledge for the units of competency is a significant body of high level underpinning knowledge related to cardiac anatomy and physiology, cardiac pharmacology, principles of ablation, and mechanisms of arrhythmias.

Participants must demonstrate competence in all nine units to gain the Graduate Diploma qualification. A Statement of Attainment will be issued for any unit of competency satisfactorily completed if the full qualification is not completed.

The units are delivered and assessed in three Modules (A, B, C).

Programme format

> 15 lectures delivered in 3 separate modules (A, B, C) held approximately 4 months apart
> Hands-on sessions allow practical exposure to topics
> Case studies place theory into real-life clinical scenarios
> Tutorials further explore complex issues
> Take-home workbooks permit practical assessment

Module A

1. Cardiac Anatomy and Physiology
2. Principles of Electrophysiology: Part 1
4. Bradycardia and Conduction System Dysfunction
5. Cardiac Pharmacology

Module B

6. Principles of Ablation
7. Mechanisms of Arrhythmias
8. AV Nodal Reentrant Tachycardia
9. AV Reentrant Tachycardia
10. Rare SVT Syndromes

Module C

11. Atrial Tachycardia
12. Atrial Flutter
13. Atrial Fibrillation
14. VT: Mechanisms, Mapping & Management
15. VT: Inherited Arrhythmias

Coursework includes:

> Cardiac anatomy and physiology
> Catheters, equipment and set up techniques
> Pacing protocols, refractory periods and activation patterns
> EP characteristics and diagnosis of sinus and AV node dysfunction
> Cardiac pharmacology
> Theories of reentry, automaticity, triggered activity, concealed conduction, gap phenomena and entrainment
> Diagnostic pacing manoeuvres and interpretation
> Biophysics of radiofrequency and cryoablation
> EP characteristics, clinical presentation and diagnosis of supraventricular and ventricular tachyarrhythmias
> Advanced mapping techniques including activation and pace mapping and fractionated potentials
> Ablation indications, techniques, risks, success/recurrence rates, complications and endpoints for all forms of supraventricular and ventricular tachyarrhythmias

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit title</th>
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<tbody>
<tr>
<td>CEPPRE001</td>
<td>Apply the principles of EP to diagnostic procedures</td>
</tr>
<tr>
<td>CEPPBC002</td>
<td>Define and diagnose bradyarrhythmias and conduction system dysfunction</td>
</tr>
<tr>
<td>CEPIAC003</td>
<td>Define, diagnose and treat AV Node re-entrant tachycardia</td>
</tr>
<tr>
<td>CEPIAC004</td>
<td>Define, diagnose and treat AV re-entrant tachycardia</td>
</tr>
<tr>
<td>CEPIAC005</td>
<td>Define, diagnose and treat rare supraventricular tachycardia syndromes</td>
</tr>
<tr>
<td>CEPIAC006</td>
<td>Define, diagnose and treat atrial tachycardia</td>
</tr>
<tr>
<td>CEPAFL007</td>
<td>Define, diagnose and treat atrial Flutter</td>
</tr>
<tr>
<td>CEPAFI008</td>
<td>Define, diagnose and treat atrial Fibrillation</td>
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<tr>
<td>CEVPYO909</td>
<td>Define, diagnose and treat ventricular tachycardian</td>
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</tbody>
</table>
Course dates and locations

<table>
<thead>
<tr>
<th>Module</th>
<th>Dates</th>
<th>Duration</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Module A</td>
<td>29 - 31 January 2020</td>
<td>3 days</td>
<td>Sydney</td>
</tr>
<tr>
<td>Module B</td>
<td>26 - 29 May 2020</td>
<td>4 days</td>
<td>Melbourne</td>
</tr>
<tr>
<td>Module C</td>
<td>7 - 10 September 2020</td>
<td>4 days</td>
<td>Sydney</td>
</tr>
</tbody>
</table>

Modules A and C location:
Rydges World Square Hotel
389 Pitt Street
Sydney NSW 2000
+61 (0)2 8268 1888

Module B location:
Rendezvous Grand Hotel
328 Flinders Street
Melbourne VIC 3000
+61 (0)3 9250 1888

Registration**^

> Individual modules – AUD $3,750
  AUD $3,500 if paid online
> Three module package – AUD $9,500
  AUD $9,000 if paid online

Registration deadlines:
- Module A: 17 January 2020
- Module B: 15 May 2020
- Module C: 28 August 2020

All payment must be received prior to course commencement.

The course registration fee covers attendance at all modules, course materials, handouts, hands-on sessions, 12-month access to online education tools at cepia.com.au (including case studies and tutorials), morning/afternoon teas and lunches.

Each participant will receive a free iPad*, with lifelong access to the course material app, including regular updates.

Travel and accommodation is not included and must be organised by the participant.

The CEPIA Graduate Diploma of Cardiac Electrophysiology is designed with the expectation all modules will be attended. Individual modules may be attended in isolation, however the qualification will only be awarded after successful completion of all three modules.

Cancellation/refund policy

All requests for cancellations or refunds must be made in writing to CEPIA and are subject to the following conditions:

> Requests received more than 45 days prior to course commencement date: 75% refund.
> Requests received between 45–30 days prior to course commencement date: 50% refund.
> Requests received less than 30 days prior to course commencement date: No refund.
> No refunds or discounts will be given for failure to attend.

Assessment and qualification

Each lecture will be assessed using a timed online multiple choice assessment (visit cepia.com.au for further information).

The course is designed so all three modules and their respective online assessments can be completed within a calendar year.

Students will also be assessed on modules using take-home workbooks that must be completed and returned to CEPIA for assessment. Access to an EP lab and procedures is essential.

Each successful graduate will be awarded a CEPIA Graduate Diploma of Cardiac Electrophysiology - a nationally recognised qualification. A satisfactory outcome must be achieved for all assessment requirements. In the event of an unsatisfactory outcome for any assessment activity, a second attempt may be allowed.

Personal tutorials via Skype

Students are able to book confidential, one-on-one, tutorials via Skype to facilitate learning, clarify course material or discuss workbooks. Screen sharing is enabled to help with any discussions or clarification of EGMs.

Practical focus

Hands-on sessions
Each module will be accompanied by stimulating, practical, hands-on sessions, including cardiac anatomical dissection, EP equipment hardware, catheters and sheaths, live ablation, wet lab ablation as well as 3D mapping.

Two days of live ablation - Spend a day at Holmesglen Private Hospital watching live ablation procedures for AVNRT and AVRT in Module B, and another day at Westmead Hospital watching live ablation procedures for ventricular tachycardia, atrial fibrillation and atrial flutter in Module C. You will interact with a physician and cardiac physiologist during all procedures and be able to see all signals and images the team performing the ablation sees.

Case studies
Case studies place the theoretical concepts taught in each module into real-life clinical scenarios.

About CEPIA

The Cardiac Electrophysiology Institute of Australasia is an independent government accredited Registered Training Organisation dedicated to the education and training of medical professionals in EP in Australia, New Zealand and Asia-Pacific.

Using up-to-the-minute lectures, hands-on sessions and rigorous academic and practical assessment, CEPIA strives to provide the ultimate teaching programme and aims to set the industry benchmark for educational qualifications.

cepia.com.au
Enrolment Form
2020 CEPIA GRADUATE DIPLOMA OF CARDIAC ELECTROPHYSIOLOGY

<table>
<thead>
<tr>
<th>Module A</th>
<th>29 - 31 January 2020</th>
<th>Sydney</th>
<th>Rydges World Square, Sydney</th>
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<tbody>
<tr>
<td>Module B</td>
<td>26 - 29 May 2020</td>
<td>Melbourne</td>
<td>Rendezvous Grand Hotel Melbourne</td>
</tr>
<tr>
<td>Module C</td>
<td>7 - 10 September 2020</td>
<td>Sydney</td>
<td>Rydges World Square, Sydney</td>
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1. Participant Information

<table>
<thead>
<tr>
<th>Last name:</th>
<th>First name:</th>
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Degree(s)/qualifications: Copy must be attached to this form

Hospital/organisation:
Supervisor name: Supervisor email:
Supervisor title/role:

Your role: (please tick)
- [ ] Cardiac physiologist
- [ ] Nurse
- [ ] EP fellow
- [ ] EP registrar
- [ ] Company representative
- [ ] Radiographer
- [ ] Student
- [ ] Other

Address: (Home/Work – please circle)

City: State: Postcode: Country:

Ph: + (0) [Home/Work – please circle] Mobile:

Country Code Area Code Local number

Email: (Home/Work – please circle)

2. Assessment Suitability Confirmation (both must be ticked)
- [ ] My supervisor has given consent that I have access to hospital records, resources and equipment for the purposes of assessment
- [ ] I confirm that all assessments submitted and completed will be my own work

3. Registration Fee* (select all applicable)

<table>
<thead>
<tr>
<th>Individual modules</th>
<th>Module A</th>
<th>Module B</th>
<th>Module C</th>
<th>Total</th>
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<tbody>
<tr>
<td></td>
<td>AUD $3,750</td>
<td>AUD $3,750</td>
<td>AUD $3,750</td>
<td>$11,250</td>
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<td></td>
<td>($3,500 if paid online)</td>
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Three module package
- [ ] Modules A, B and C AUD $9,500 ($9,000 if paid online)

* These fees apply to students whose fees are either paid by or reimbursed by an organisation. For students who pay their own fees (without reimbursement from an organisation) please visit cepia.com.au for further information.

4. Payment Method (select one)

- [ ] Online using the secure website registration at cepia.com.au
- [ ] Direct Deposit (EFT) (Please use last name as reference)
  - BSB: 923-100
  - AC: 60414669
  - Name: CEPIA
  - Bank: ING

- [ ] Credit Card (select one)
  - Mastercard
  - Visa

Cardholder’s name:
Card number:
Expiration date:
CSV code:
Signature:

(3-digit code on back of card)

5. Send your registration form to:

Post: CEPIA, PO Box 431, Toowong, Qld, 4066, Australia
Email: info@cepia.com.au

cepia.com.au