# FOUNDATION SEMINAR IN CARDIOLOGY

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#### Program

This seminar will be delivered by a combination of a 6-week self-paced learning package followed by a live one-day seminar

## Self-paced learning package: available from Friday 19 April 2024

The self-paced learning package comprises approximately 8 hours of learning materials. The self-paced learning package materials must be completed prior to attending the live virtual seminar.

Topic	Learning Objectives
	<ul> <li>Compare the function of the right and left side of the heart.</li> </ul>
How does a healthy heart work?	<ul> <li>Predict how the healthy heart responds to excess or insufficient circulating volume.</li> <li>Explain the role of the natriuretic peptide system, the sympathetic nervous system and the renin-angiotensin-aldosterone system in the healthy heart.</li> <li>Describe how cardiac output is influenced by heart rate, preload, contractility and afterload.</li> <li>Outline the roles of each of the heart valves</li> </ul>
What happens when the heart doesn't work?	<ul> <li>Describe what can impair the function of the heart.</li> <li>Explain how the body reacts to an impaired heart.</li> <li>Differentiate the signs and symptoms of right and left sided heart failure.</li> <li>Explain the signs and symptoms of congestion and impaired perfusion.</li> <li>Distinguish between which therapies influence preload, afterload and contractility.</li> <li>Explain how the natriuretic peptide system, the sympathetic nervous system and the renin-angiotensin-aldosterone system react in a failing heart.</li> </ul>
ECG or etcetera? What kind of investigations do my patients get?	<ul> <li>List cardiac investigations and laboratory tests for a patient presenting with the following;         <ul> <li>Acute Coronary Syndromes</li> <li>Atrial Fibrillation</li> <li>Decompensated heart failure</li> </ul> </li> <li>Discuss strengths and limitations of the following cardiac imaging techniques;             <ul></ul></li></ul>
Managing Acute Coronary Syndrome. Difference between our city and country counterparts	<ul> <li>Describe potential implications of echocardiogram reports of medication medicatin medicati</li></ul>

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Guided case study: Heart failure       • Outline the role of diuresis in heart failure         • Describe the use of anti-failure therapies in heart failure patients         • Describe the symptoms of chronic heart failure and why they occur.         • Outline the diagnostic criteria and classification of heart failure.         • Define HFrEF, HFmrEF and HFpEF with regards to ejection fraction and anatomy.         • Provide evidence-based recommendations for treatment of HFrEF.         • Describe the treatment of HFpEF.         • Provide recommendations for the management strategies for heart failure.         • Describe the pharmacist's role in managing patients with heart failure.         • Explain the management of acute heart failure.         • Describe the Vaughn-Williams classification of drugs         • Identify key guidelines and resources within Australia and Internationally for cardiac arrhythmias         • Describe the evalence rate and rhythm control approaches to managing AF         • Briefly describe non-pharmacological management of AF         • Explain the rate and rhythm control approaches to managing AF         • Describe the vaughn-Williams and prevalence of atrial fibrillation (AF) and the risk it poses to cardiovascular health         • Describe the artionale behind anticoagulation in AF         • Overview other arrhythmias and their management principles, including SVT, VT and VF         • Describe the roles of multidisciplinary members in a catheter lab		
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FOUNDATION SEMINAR IN CARDIOLOGY

# Program

### Live virtual seminar

All times listed are in AEST

## Saturday 1 June 2024

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Time (AEST)	Session
0850-0900	Online login available
0900-0910	Welcome, introduction, housekeeping, introduction structure of case sessions
	Adam Livori, PhD, Centre for Medicine Use and Safety, Faculty of Pharmacy and Pharmaceutical Sciences, Monash University, Mebourne, Vic
	<b>Judy Duong,</b> Team Leader Pharmacist in Cardiology, Cardiac Surgery and Heart Failure, Victorian Heart Hospital, Monash Health, Melbourne, Vic
0910-0955	Review of self-paced learning package content with open Q&A
	<b>Judy Duong,</b> Team Leader Pharmacist in Cardiology, Cardiac Surgery and Heart Failure, Victorian Heart Hospital, Monash Health, Melbourne, Vic
0955-1130	Case session: Managing Acute Coronary Syndrome
	Led by: Judy Duong, Team Leader Pharmacist in Cardiology, Cardiac Surgery and Heart Failure, Victorian Heart Hospital, Monash Health, Melbourne, Vic
1130-1150	Break
	Case session : Coronary artery bypass graft (CABG)
1150-1320	Led by: Adam Livori, PhD, Centre for Medicine Use and Safety, Faculty of Pharmacy and Pharmaceutical Sciences, Monash University, Mebourne, Vic
1320-1350	Break
1350-1520	Case session: Arrythmias
	Led by: Adam Livori, PhD, Centre for Medicine Use and Safety, Faculty of Pharmacy and Pharmaceutical Sciences, Monash University, Mebourne, Vic
1520-1550	Case discussion: review of heart failure self-guided case
	Led by: Adam Livori, PhD, Centre for Medicine Use and Safety, Faculty of Pharmacy and Pharmaceutical Sciences, Monash University, Mebourne, Vic
1550-1605	Break
1605-1635	Open Q&A
1635	Close of live virtual seminar

Please note: presentation recordings from the live virtual seminar will not be available.