



A NOVEL **ONLINE** COURSE IN HEART FAILURE MANAGEMENT

Royal Brompton & Harefield **NHS**
NHS Foundation Trust

Endorsed by
British Society for Heart Failure
British Cardiovascular Society

Earn EACCME credits to become a
leader in the field of heart failure



Dear Colleagues,

Heart failure is the end-stage of most forms of heart disease such as hypertension, coronary artery disease and acute myocardial infarction, congenital heart disease, cardiomyopathies and consequently a major cause of morbidity and mortality. This development needs to be appropriately addressed by novel training programmes for medical doctors to develop a professional profile, competent in all aspects of care for patients with acute and / or chronic heart failure.

The **online Postgraduate Course in Heart Failure London** (PCHF London online) is a timely and unique opportunity to develop in-depth knowledge and skills in the field of heart failure. Listen to the lectures of key-opinion leaders and learn more how to cope with the challenging situations of your heart failure patients. Each module provides you with evidence based clinical information to increase your knowledge and competence.

Considering the paradigm shift from classroom to online learning initiated by the COVID-19 crisis, **PCHF London online** is an excellent alternative to the well-established brother, **PCHF London**, addressing cardiologists from all parts of the world. By joining the **PCHF London online** course you can become part of a well-trained and distinguished heart failure community.

Course Directors

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Paul Kalra, MD, MRCP, FRCP, Portsmouth, United Kingdom

Milton Packer, MD, FACC, Dallas, United States

Module 1

How to Approach Heart Failure

Epidemiology of heart failure: incidence and prevalence, risk factors. How to assess HF: clinical signs and symptoms, use of biomarkers, ECG and exercise tests. Comorbidities. Theoretical and practical application of different imaging modalities: Echo, CMR, CT and nuclear techniques.

Pathophysiology of HF: interpretation of haemodynamic parameters, pump dysfunction. Management of HF in congenital heart disease.

18 CME Credits / Fee CHF 340

Module 2

Different Forms of Heart Failure

HF encompasses HFrEF, HFmrEF and HFpEF according to the classification of the ESC guidelines. Focus on HFpEF, diagnostic procedures and treatments. Comorbidities linked to HFpEF, including dyspnoea, sleep disturbances, depression, obesity, diabetes, hypertension, iron deficiency, atrial fibrillation, gender aspects. Different forms of cardiomyopathies, diagnostic techniques and treatments, cardiac amyloidosis. Practical imaging sessions with patient cases in Echo, CMR, CT and Nuclear/ PET.

15 CME Credits / Fee CHF 285

Module 3

Treatment and Follow-up of Heart Failure

This module focuses on HF with reduced ejection fraction (HFrEF) and its pathophysiology. Role of the renin angiotensin system, the sympathetic nervous system and related treatment targets: ACE-inhibitors, AT2-antagonists, ARNIs, betablockers, If-channel blockers, mineralocorticoid receptor antagonists, diuretics and digitalis.

Pathophysiology of renal injury and the cardiorenal syndrome. Arrhythmias in HF, including atrial fibrillation and ventricular tachycardias, guidelines and indications for cardiac resynchronisation therapy (CRT). How to read and interpret randomised controlled trials, device trials and registry-based trials in HF. The patient journey in HF.

20 CME Credits / Fee CHF 380

Module 4 (available December 2020)

Acute and advanced heart failure

Definition and epidemiology of acute HF, triggers and mechanisms. Classification of acute HF into four clinical profiles defined by evidence of congestion and perfusion. Prehospital and early management strategies, clinical evaluation and investigation, diagnostic tools and risk markers. Therapies of acute HF including oxygen, ventilatory support, inotropes and vasopressors.

Definition of advanced HF including dyspnoea, fluid retention, cardiac dysfunction, impairment of functional capacity. Short-term and long-term mechanical circulatory support (MCS). Heart transplantation: indications and timing, immunosuppressive drugs, complications after transplantation. Palliative care.

Module in development, estimated 18 CME Credits

Module 5 (available March 2021)

Multidisciplinary procedures

Emphasis is placed on valve disease in the context of HF: anatomy and imaging of the aortic, mitral and tricuspid valve. Decision making and patient selection for valve interventions. Role of the heart team. Assessment and management of aortic stenosis and functional mitral regurgitation. Live in-a-box demonstrations and ultrasound-guided valvular intervention.

Revascularisation strategies in ischemic cardiomyopathy, management of cardiogenic shock including indications for ECMO. Cardio-oncology and cardiotoxic drugs in cancer treatment. Regenerative medicine in HF and stem cell therapy, myocarditis and takotsubo. How to build up a HF clinic.

Module in development, estimated 18 CME Credits

Module 1: How L...

HEART FAILURE – THE NEW EPIDEMIC (EPIDEMIOLOGY AND...)

Heart Failure – the new epidemic (Epidemiology and Etiology)

Session 1 | Speaker: M. Cowie

Framingham etiology

Etiology (%)	Men	Women
Ischemic	59	48
Hypertensive	70	78
Valvular	22	31
Other	7	7

Assessing heart failure

Session 1 | Speaker: T. McDonagh

UK Peptide

EUROPEAN HEART HOUSE

Course Fee

The course fee will be 285-380CHF per module or 850CHF for 3 modules, payable upfront.

Course Language

The course will be held in English.

Accreditation

Each module was submitted for accreditation to the European Accreditation Council for Continuing Medical Education (EACCME).

Certification

Certificate of attendance endorsed by British Cardiovascular Society and British Society for Heart Failure

Course Objectives

The **online Postgraduate Course in Heart Failure London** (PCHF London online) aims to enhance competency and knowledge in the complex management of heart failure. Focusing on a comprehensive and heart-team oriented disease management approach, the course has three components: medical knowledge and training of practical skills as well as transmission of professional attitudes and behavior to manage patients with heart failure or even to build up heart failure units.

Organisation

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