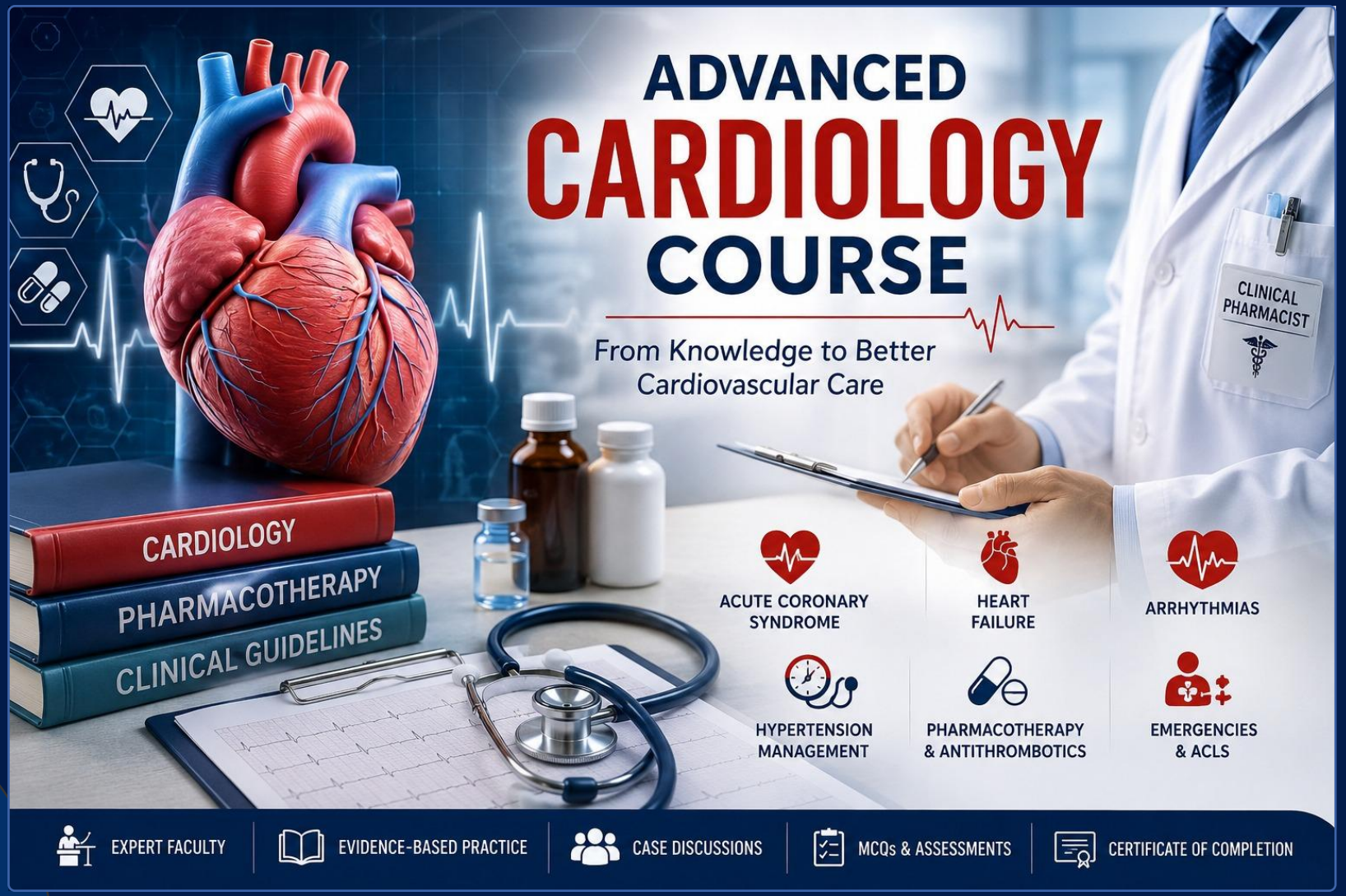
HQIC

TRAINING PLATFORM

Empowering Learning. Enhancing Quality. Inspiring Impact.



PROGRAM CURRICULUM

Curriculum Summary

Advanced Cardiovascular Therapeutics for Clinical Pharmacists

01 Cardiovascular Foundations & Diagnostic Evaluation

- Cardiac anatomy and physiology
- Cardiac electrophysiology & ECG interpretation
- Cardiac biomarkers
- Hemodynamic monitoring
- Cardiovascular imaging and diagnostic tools

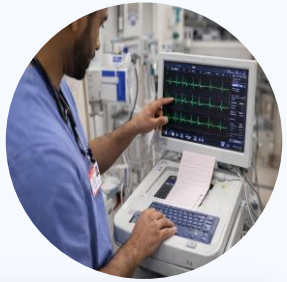
02 Coronary Artery Disease & Dyslipidemia

- Dyslipidemia and lipid-lowering therapies
- Coronary artery disease (CAD)
- Acute coronary syndrome (STEMI, NSTEMI, and Unstable Angina)
- Reperfusion strategies (PCI & CABG)
- Antiplatelet and anticoagulation therapy
- Secondary prevention and cardiovascular risk reduction

PROGRAM CURRICULUM

Heart Failure, Shock & Hypertension

Modules 3 and 4



03 Heart Failure & Cardiogenic Shock

- Chronic heart failure (HFrEF, HFmrEF, and HFpEF)
- Acute decompensated heart failure
- Guideline-directed medical therapy (GDMT)
- Cardiogenic shock
- Vasopressors, inotropes, and vasodilators
- Mechanical circulatory support (IABP, Impella, and ECMO)

04 Hypertension

- Chronic hypertension
- Hypertensive urgency and hypertensive emergency
- Evidence-based antihypertensive therapy
- Blood pressure targets
- Management of hypertension in special populations
- Resistant hypertension

PROGRAM CURRICULUM

Arrhythmias & Cardiovascular Emergencies

Module 5

05 Cardiac Arrhythmias & Cardiovascular Emergencies

- Bradyarrhythmias and tachyarrhythmias
- Atrial fibrillation and ventricular arrhythmias
- Anticoagulation therapy
- Advanced Cardiac Life Support (ACLS)
- Basic Life Support (BLS)
- Cardiac arrest management
- Post-ROSC care

PROGRAM VALUE

Why Should You Enroll in This Course?

This course is designed to bridge the gap between cardiovascular guidelines and real-world clinical practice, enabling pharmacists to deliver safer, evidence-based, and patient-centered cardiovascular care across different healthcare settings.

Who Should Attend?

- **Clinical Pharmacists**
- **Hospital Pharmacists**
- **Community Pharmacists**

What Will You Gain?

Strengthen Your Clinical Knowledge

- Build a solid understanding of cardiovascular diseases from basic physiology to advanced critical care.
- Master the latest AHA, ACC, and ESC clinical practice guidelines.

PROGRAM VALUE

What Will You Gain?

Decision-making and emergency care capability

Enhance Clinical Decision-Making

- Select the most appropriate medications
- Optimize cardiovascular pharmacotherapy using evidence-based recommendations.
- Recognize

Improve Emergency & Critical Care Skills

Develop confidence in managing cardiac emergencies, including:

Acute Coronary Syndrome (ACS)	**Acute Heart Failure**
Cardiogenic Shock	**Cardiac Arrest**
Life-Threatening Arrhythmias	**Hypertensive Emergencies**

OUTCOMES BY ROLE

Benefits by Practice Setting

Benefits for Clinical Pharmacists

- Improve participation during medical rounds.
- Optimize medication therapy management.
- Enhance collaboration with physicians and multidisciplinary teams.
- Build confidence in critical care and cardiology practice.

Benefits for Hospital Pharmacists

- Strengthen knowledge of high-risk cardiovascular medications.
- Improve medication safety and therapeutic monitoring.
- Support evidence-based prescribing and transitions of care.
- Contribute effectively to inpatient cardiovascular management.

Benefits for Community Pharmacists

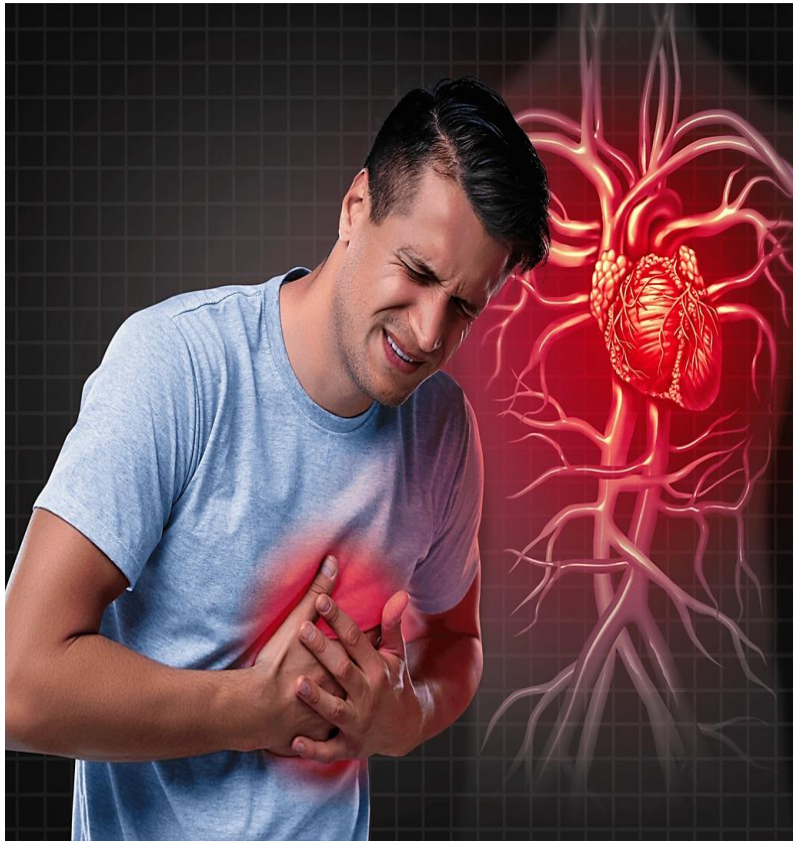
- Optimize management of chronic diseases such as hypertension, dyslipidemia, coronary artery disease, and heart failure.
- Identify high-risk patients who require urgent referral.
- Improve patient counseling, medication adherence, and lifestyle interventions.
- Enhance preventive cardiovascular care and risk reduction.

LEARNING OBJECTIVES

Coronary Artery Disease & Acute Coronary Syndrome

Module 2 — session objectives

- Coronary artery physiology & function
- Atherosclerotic plaque pathophysiology
- CAD classification
- Causes & risk factors
- Acute Coronary Syndrome (ACS): definition & incidence
- Recognize clinical presentation
- Discuss complications and prognosis
- Review diagnostic approaches
- Guideline recommendations for STEMI, NSTEMI & UA
- Case discussion



LEARNING OBJECTIVES

Heart Failure

Module 3 — session objectives

- Hemodynamic parameters
- Definition of heart failure
- Signs & symptoms
- Causes & risk factors
- Pathophysiology
- Classification
- Stages of heart failure
- Diagnosis
- Management: ADHF & CHF
- Case discussion

LEARNING OBJECTIVES

Dyslipidemia

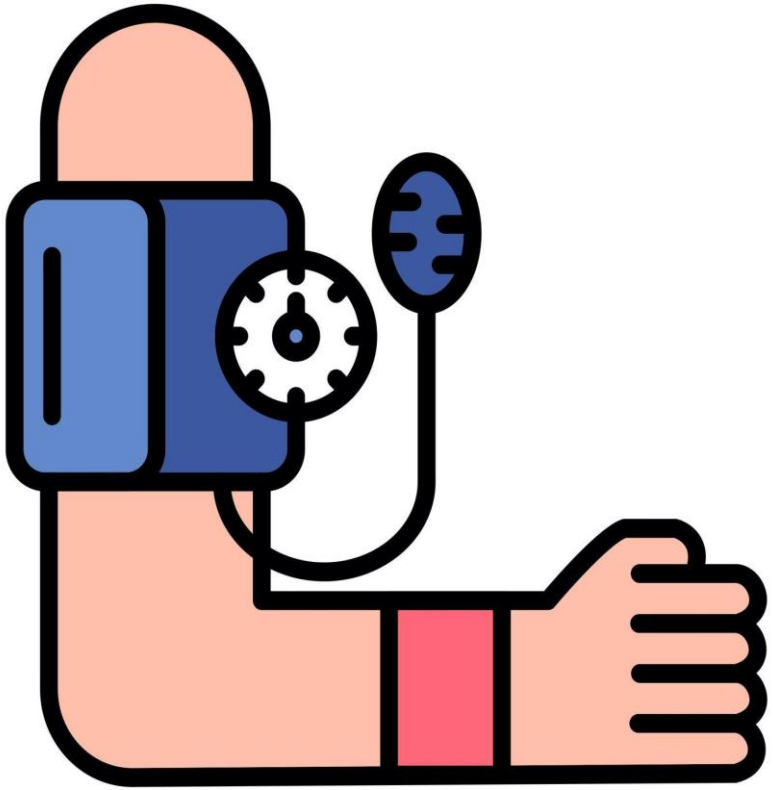
Module 2 — session objectives

- Dyslipidemia: definition & prevalence
- Plaque & atherosclerosis
- Causes & risk factors
- Complications: ASCVD disease
- Lipid profile for diagnosis
- Latest update for guideline recommendations
- Management: lipid-lowering medications
- Risk assessment: ASCVD score
- Primary vs. secondary prophylaxis
- Management of hypertriglyceridemia
- Case discussion

LEARNING OBJECTIVES

Hypertension

Module 4 — session objectives



- Definition & prevalence / incidence
- Signs & symptoms
- Stages, categories & classifications
- Types of hypertension
- Causes & risk factors
- Pathophysiology
- Diagnosis
- Pharmacological treatment
- Antihypertensive medications
- Guideline recommendations
- Special populations
- Pregnancy
- Resistant hypertension

LEARNING OBJECTIVES

Life-Threatening Arrhythmias

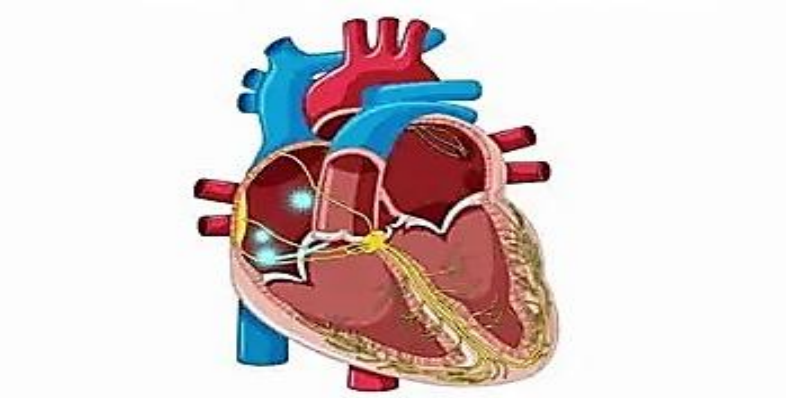
Module 5 — session objectives

- Physiology of heart conduction
- Action potential & ECG
- Arrhythmia definition
- Causes & risk factors
- Signs & symptoms
- Pathophysiology
- Classification of arrhythmias
- Management of life-threatening arrhythmias (tachy / brady)
- Non-pharmacological management
- Pharmacological treatment
- Case discussion

LEARNING OBJECTIVES

Atrial Fibrillation

Module 5 — session objectives



- Definition of atrial fibrillation
- Causes & risk factors
- Signs & symptoms
- Classification
- Pathophysiology
- Complications
- Diagnosis
- Guideline recommendations for treatment
- Case discussion

A MESSAGE TO CLINICAL PHARMACISTS

Remember

- Always remember that behind every ECG is a patient, behind every prescription is a life, and behind every clinical decision is an opportunity to improve outcomes.
- Never stop learning. Medicine evolves every day, and the best clinical pharmacists are those who remain curious, continue reading the latest guidelines, and never hesitate to ask “Why?” before asking “What?”
- Your role extends far beyond dispensing medications. You are an essential member of the healthcare team—preventing medication errors, optimizing therapy, educating patients, and helping save lives.

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HQIC Training Platform

“Knowledge gives you confidence, but compassion and critical thinking make you an exceptional Clinical Pharmacist.”

Remember: “Great pharmacists don't just know medications… they know the patients behind those medications.”