



**Jornadas de  
Atualização  
Cardiológica**

Medicina Geral e Familiar

**#JAC eLEARNING**

# **PRACTICAL COURSE ON ANTICOAGULATION**

Course coordinator:  
Maria Júlia Maciel, MD, PhD

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# PRACTICAL COURSE ON ANTICOAGULATION

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## **Introduction.**

The Practical Course on Anticoagulation aims to improve Family Physicians' skills in the care of patients under anticoagulation.

The course will address the various aspects of anticoagulation, from basic concepts of haemostasis and the pharmacology of antithrombotic drugs to the best evidence-based approach of different clinical scenarios (based on real case-reports).

The program consists of four e-learning modules, an evaluation module and a final live-streaming module for questions and answers.

## **Faculty.**

Maria Júlia Maciel, MD, PhD  
Joana Pimenta, MD, PhD  
Luciana Ricca Gonçalves, MD  
Mário Santos, MD, PhD  
Paula Dias, MD

## Learning objectives.

By the end of the course, attendees should be able to:

- Acquire basic knowledge of the physiology of haemostasis and the coagulation cascade;
- Know the different classes of antithrombotic drugs, their main mechanisms of action and pharmacokinetics and to correlate these with their therapeutic uses;
- Evaluate patients' thrombotic and haemorrhagic risk and use it in clinical decision making;
- Understand similarities and differences between arterial and venous thromboembolism and the role of anticoagulation in both settings;
- Handle anticoagulant drugs in different, everyday clinical scenarios;
- Identify patients who should be referred for hospital care.

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## Introduction to the physiology of coagulation and antithrombotics

Luciana Ricca Gonçalves & Paula Dias

**Session 1:** Overview of haemostasis and the coagulation cascade

**Session 2:** Antithrombotic drugs: mechanisms of action and therapeutic indications

- Antiplatelet drugs
- Vitamin K antagonists
- Direct oral anticoagulants (DOACs)

**Take-home messages** & Self-assessment test.

## Arterial thromboembolism (case-based approach)

Mário Santos

**Session 1:** The patient with atrial fibrillation

- When to anticoagulate and not anticoagulate – how to use thrombotic and haemorrhagic risk scores?
- Which drugs should I use? In what dosage?

**Session 2:** The patient with a prosthetic heart valve

**Take-home messages** & Self-assessment test.

Module

03

## Venous thromboembolism (case-based approach)

Joana Pimenta

**Session 1:** Treatment of venous thromboembolism

**Session 2:** Prevention of venous thromboembolism

**Take-home messages** & Self-assessment test.

Module

04

## Practical issues in anticoagulation (case-based approach)

Luciana Ricca Gonçalves

- Anticoagulation in difficult patients: very elderly, dementia, high haemorrhagic risk or recent bleeding, renal failure: practical tips
- When to refer to hospital care?
- When and how to interrupt anticoagulation for invasive procedures?

**Take-home messages** & Self-assessment test.

Module

05

## Knowledge Assessment Test

Programme



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