

Department of Cardiovascular Clinic, University Hospital Ostrava

TRAINING POSSIBILITIES

Fundamentals of Interventional Cardiology course (draft curriculum)

Proposed are 2 alternatives: a two-week course, and a four-week course

The objective of the course is to make the doctors with cardiology specialization, or the doctors in training, familiar with the fundamentals of coronary medicine problems in interventional cardiology. The course consists of practical and theoretical parts. The theoretical parts are implemented in the form of seminars with usual multi-media tools. The practical part of the course will take place in the Catheterization Laboratory of the Cardiovascular Medicine Department at the Ostrava University Hospital.

The Catheterization Laboratory at Ostrava University Hospital is a high-volume center for coronary medicine, examining over 2,500 patients and executing around 1,200 coronary interventions annually.

The theoretical and practical parts are lectured by specialists in interventional cardiology licensed for invasive diagnostic cardiology and interventional cardiology by the Czech Society of Cardiology, and with experience from hospitals abroad. Each of the lecturing interventional cardiologists has executed more than 300 coronary interventions annually.

Two-week course alternative

	Morning	Afternoon
Monday	Theoretical part: Introduction to the workplace, fundamentals of coronary medicine, coronary angiography vascular accesses, X-Ray examination, projections, protection against ionizing radiation.	Attendance in catheterization laboratory
Tuesday	Attendance in catheterization laboratory	Theoretical part: Questions & answers, discussing a case. Coronary angiography examination complications and their solutions.
Wednesday	Theoretical Part Indicating a patient for a cardio-surgical solution (including the indication seminar at UHO)	Attendance in catheterization laboratory

Thursday	Attendance in catheterization laboratory	Theoretical part: Principles and fundamentals of the coronary intervention techniques
Friday	Attendance in catheterization laboratory	Theoretical part: Fundamentals of the invasive hemodynamics
Weekend	Attendance of the trainee at urgent interventions	
Monday	Theoretical Part: Discussion of the weekend cases. Acute coronary syndromes, medicament-based and interventional treatment principles.	Attendance in catheterization laboratory
Tuesday	Attendance in catheterization laboratory	
Wednesday	Attendance in catheterization laboratory	Theoretical part: Discussion of cases, acute coronary syndrome complications
Thursday	Attendance in catheterization laboratory	
Friday	Theoretical part: Conclusions from the course, evaluation, questions & answers.	

Four-week course alternative

	Morning	Afternoon
Monday	Theoretical part: Introduction to the workplace, fundamentals of coronary medicine, coronary angiography, vascular accesses, X-Ray examination, educational videos, protection against ionizing radiation.	Attendance in catheterization laboratory
Tuesday	Attendance in catheterization laboratory	Questions & answers, discussing a case
Wednesday	Theoretical part: Indicating a patient for a cardio-surgical solution, indication to surgical or interventional solution, including the Indication seminar at UHO Cardio-surgical Center)	Attendance in catheterization laboratory
Thursday	Attendance in catheterization laboratory	Theoretical part: Questions & answers, vascular access complications, coronary angiography examination complications
Friday	Attendance in catheterization	Theoretical part:

	laboratory	Questions & answers, discussing a case.
Weekend	Attendance of the trainee at urgent interventions	
Monday	Theoretical Part: Discussion of the weekend cases. Acute coronary syndromes, medicament-based and interventional treatment principles.	Attendance in catheterization laboratory
Tuesday	Attendance in catheterization laboratory	
Wednesday	Theoretical part: Indication seminar at UHO Cardio-surgical Center. Acute coronary syndrome patients' treatment in the Czech Republic	Attendance in catheterization laboratory
Thursday	Attendance in catheterization laboratory	
Friday	Attendance in catheterization laboratory	Theoretical part: Questions & answers, discussing a case.
Weekend	Attendance of the trainee at urgent interventions	
Monday	Theoretical Part: Discussion of the weekend cases.	Attendance in catheterization laboratory
Tuesday	Attendance in catheterization laboratory	Theoretical part: Acute coronary syndrome complications
Wednesday	Attendance in catheterization laboratory	Attendance in catheterization laboratory
Thursday	Theoretical part: Fundamentals of the invasive hemodynamics	Attendance in catheterization laboratory
Friday	Theoretical part: Catheterization of heart valve diseases	Attendance in catheterization laboratory
Weekend	Attendance of the trainee at urgent interventions	
Monday	Theoretical Part: Discussion of the weekend cases.	Attendance in catheterization laboratory
Tuesday	Attendance in catheterization laboratory	Attendance in catheterization laboratory
Wednesday	Theoretical Part: Overview of non-coronary interventions, indication and execution principles	
Thursday	Attendance in catheterization laboratory	
Friday	Theoretical part: Discussion, questions & answers, evaluation, conclusions.	

Length of training: **2-4 weeks**

Content of training: the training can be modified according to the needs of trainee

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