

MAS in Cardiovascular Perfusion

009 Health Care Economy

The Swiss health system is facing major challenges: the increase in the number of elderly people is leading to an increase in chronic diseases and rising health costs. This module will cover risk and quality management, several laws and regulations and ethical decisions in dilemmas in cardiology practice. Topics of shared leadership and communication in the operating room round off the module.

The federal government has called for greater transparency and management of quality patient care. At the same time, according to the Health Insurance Act (KVG), it demands that services provided by care professionals must be effective, appropriate and economically justified. This means that at all levels of medical treatment, quality management is needed, that provided care is ethically justifiable, legally correct and affordable for the promotion of safety, quality of life and equal opportunities. To this end, effective inter-professional collaboration through problem solving strategies, quality-oriented management, and clinical research form the important cornerstone.

Learning Outcomes/Competencies

The students will be able to,

- observe employment, professional, as well as criminal and private laws and regulations
- organize and effectively execute and evaluate their work tasks
- effectively support a risk and quality management program
- promote and support ethical decisions in dilemmas and fragile situations
- demonstrate leadership
- convey and encourage appropriate communication and teamwork in the operating room.

Module Content

- Risk Management
- London Protocol
- Health Legislation
- Health Ethics
- Leadership
- Collaboration
- Quality Management
- Health System & Economy
- Flow Measurement
- Evidence Based Perfusion

Teaching and Learning Methods

Lectures, Learning on the model, Discussions, Case Studies, Guided Self-Study, Training, etc.

Proof of Performance

Oral exam

Literature

Dt. Gesellschaft für Kardiotechnik e.V. (Hrsg.) (2009). Berufsbild Kardiotechniker (3. Auflage). Hamburg: Medienprojekte.

Federal Office of Public Health (2021). [Office fédéral de la santé publique OFSP \(admin.ch\)](#) [04.03.2021]

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School of Health
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of Applied Sciences

[Don et transplantation d'organes, de tissus et de cellules \(admin.ch\)](#)

[Nouvelles réglementations sur les essais cliniques de dispositifs médicaux \(admin.ch\)](#)

[Politique de la santé : stratégie du Conseil fédéral 2020–2030 \(admin.ch\)](#)

Health Consumer Powerhouse AB (2017). The Euro Health Consumer Index 2016. [News – Health Consumer Powerhouse \(healthpowerhouse.com\)](#) [04.03. 2021].

Sarrazin, T. (2009). Erste Verordnung zur Änderung der Ausbildungs- und Prüfungsordnung für Kardiotechnikerinnen und Kardiotechniker. Berlin: Senatsverwaltung für Gesundheit, Umweltschutz und Verbraucherschutz.

Swiss Academy of Medical Science (2021). Homepage: [Medizin-ethische Richtlinien \(samw.ch\)](#) [04.03.2021].

Module Convener

Manuel Iafrate, Head of MAS in Cardiovascular Perfusion; BSc in Cardiovascular Perfusion, ECCP

Teaching Staff

S. Wood
Dr. A. Sidiropoulos
C. Conrad
M. Klopfenstein
Dr. C. Meyer-Massetti
Dr. S. Monteverde

Requirements

- ability to read and understand English expert literature and to follow classes taught in English
- knowledge of Scientific Work
- prospect of an internship in the area Cardiovascular Perfusion

Module Code

MAS_CP_009

Module Type/Module Order

Mandatory Module in the course MAS Cardiovascular Perfusion
The module order is fix.

Study Time/ECTS

150 hours, 5 ECTS points
40 hours Classroom Lessons and 110 hours Guided Self-Study

Module Fees

On request

Teaching Language

English

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