Training Programme (essential elements)
Clinical Practical Year (CPY)
at Medical University of Vienna, Austria

CPY-Tertial C

Internal Medicine and Angiology

Valid from academic year 2016/17

Responsible for the content
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This training programme applies to the subject of "Internal Medicine and Angiology" within CPY tertial C "Electives". If "Internal Medicine and Angiology" is being taken within the compulsory CPY tertial A "Internal Medicine", in addition to the learning objectives in CPY tertial A, the learning objectives listed in this training programme under Point 3 can be added as optional learning objectives in the logbook for the compulsory CPY tertial A.

The training programmes for the elective subjects in CPY tertial C are each designed for a duration of 8 weeks. If the subject in CPY tertial C is being completed over a period of 16 weeks, the specified content shall be treated in greater depth.
3. Learning objectives (competences)

The following skills must be acquired or deepened in the subject of Internal Medicine and Angiology during the CPY.

3.1 Competences to be achieved (mandatory)

A) History taking
   1. Taking an angiology history
   2. Specific exploration in terms of diseases of the arterial system
   3. Specific exploration in terms of diseases of the venous system
   4. Lifestyle history taking into consideration angiology-related risk factors
   5. Family history taking into consideration angiology-related aspects
   6. Medication history taking into account specific angiology/pharmacology-related treatment strategies as well as their side effects and interactions with other medications

B) Performance of examination techniques
   7. Complete pulse status
   8. Auscultation of vascular flow in the upper and lower extremities, in the carotids, and in the aorta abdominis including visceral arteries
   9. Assessment of suspected emergency angiology patient (e.g. acute ischaemia, embolism, thrombosis)
   10. Testing for arterial insufficiency (Ratschow test)
   11. Identification and documentation of trophic lesions
   12. Venous status

C) Performance of routine skills and procedures
   13. Measurement of ankle-brachial pressure index
   14. Basic introduction to advanced angiological functional diagnostics (oscillography)
   15. Basic introduction to colour-coded duplex sonography of the vascular system

D) Therapeutic measures
   16. Indication, dosage and usage of different medications in the primary and secondary prevention of cardiovascular diseases
   17. Identification of medication side effects/interactions and their management (particularly in regard to platelet function inhibitors and anticoagulants)
   18. Dosage, continuous monitoring and documentation of post-intervention/post-operative drug management after angiological procedures
   19. Observing an endovascular catheterisation
   20. Applying a compression bandage after angiographic investigations/interventions

E) Communication with patient/team
   21. Providing information to patients and relatives in an ethically correct and professional manner in compliance with legal requirements and ensuring that the patient has understood the information
   22. Checking compliance
23. Telephoning patients and third parties in an ethically correct and professional manner (in accordance with legal requirements)
24. Giving main information elements necessary to get informed consent
25. Breaking bad news to patients and family (simulated situation)
26. Summarizing the main points of diagnoses, active problems and management plans of a patient
27. Clarifying with nursing staff monitoring measures and calling criteria concerning patients
28. Giving teaching presentations and passing on specialist information, procedures and skills to students and other medical professionals
29. Identifying ethically problematic situations
30. Communicating and dealing professionally with geriatric patients
31. Advising and supporting patients (empowerment)
32. Managing patients with contradictory investigation results
33. Conservative management of patients with self-limiting disease ("wait and see")
34. Discussing diagnoses/prognoses with patients
35. Participating in meetings with relatives
36. Involvement in discharge management
37. Observing a medical consultation (giving information to patient) and documentation before planned interventions/procedures

F) Documentation
38. Writing discharge/transfer letters taking particular account of angiological conditions and issues
39. Working with local / national and international guidelines and protocols (ESC, ACCP etc.)
40. Issuing a prescription for therapeutic measures

4. Information on verification of performance, on-going assessments

4.1 The following aspects can be assessed in the Mini-CEX:
   1. Specific exploration in terms of diseases of the arterial system
   2. Specific exploration in terms of diseases of the venous system
   3. Complete pulse status
   4. Auscultation of vascular flow in the upper and lower extremities, in the carotids, and in the aorta abdominalis including visceral arteries
   5. Measurement of ankle-brachial pressure index
   6. Creating a plan for the diagnostic process
   7. Creating a plan for the therapeutic process

This list can be expanded accordingly.
4.2 The following skills can be assessed in the DOPS

1. Applying a compression bandage after angiographic investigations/interventions
2. Giving main information elements necessary to get informed consent
3. Observing an endovascular catheterisation
4. Assessment of suspected emergency angiology patient (e.g. acute ischaemia, embolism, thrombosis)
5. Dosage, continuous monitoring and documentation of post-intervention/post-operative drug management after angiological procedures

This list can be expanded accordingly.