



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

CPY-Tertial B

**Surgery and perioperative disciplines**

Valid from academic year 2016/17

Responsible for the content

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### 3. Learning objectives (competences)

The following skills must be acquired or deepened in the subject of Surgery and perioperative disciplines during the CPY.

#### 3.1 Competences to be achieved (mandatory)

- A) History taking
  - 1. Identification of possible risk factors for surgery/anaesthesia and appropriate clarification
- B) Performance of examination techniques
  - 2. Symptom-oriented examination and the ordering of further diagnostics in the case of an acute patient
  - 3. Assessment of perioperative fluid balance and loss of electrolytes
  - 4. Evaluation of the perioperative nutrition situation
  - 5. Identifying superficial wound healing problems
  - 6. Identifying deep wound healing problems
  - 7. Identification of post-operative bleeding
- C) Performance of routine skills and procedures
  - 8. Using appropriate hand hygiene at the workplace
  - 9. Removal of wound sutures
  - 10. Application of a bandage
  - 11. Performance of perioperative patient safety measures (checklist, sign-in/time-out/sign-out)
  - 12. Preparation to watch/to assist in operating theatre (scrub-up, gown up, put on sterile gloves, etc.)
  - 13. Handling a central venous catheter
  - 14. Pre-operative preparation of operative field for minor surgery, asepsis and antisepsis
  - 15. Wound cleaning
  - 16. Stitching of skin incisions and lacerations
  - 17. Application of local (infiltration) anaesthesia/Oberst conduction anaesthesia
  - 18. Correct removal of drains
  - 19. Correct removal of a central venous catheter
  - 20. Positioning a peripheral permanent venous cannula
  - 21. Performing a sterile dressing change and wound cleaning
  - 22. Positioning a urinary catheter
- D) Therapeutic measures
  - 23. Participation in caring for a wound in an out-patient setting or in the operating room
  - 24. Participation in performance of measures for secondary wound healing (e.g. VAC system)
  - 25. Participation in the perioperative management of cardiovascular risk factors
  - 26. Participation in the treatment of superficial wound healing problems
  - 27. Participation in the treatment of deep wound healing problems

28. Participation in the treatment of post-operative bleeding
  29. Participation in the treatment of suspected deep vein thrombosis/pulmonary embolism
  30. Participation in performance of measures in the treatment of pain, or in palliative or end-of-life care
  31. Suture or clips after an operation
  32. Incision and drainage of an infected surgical wound
  33. Identification of drug side effects and their management
  34. Participation in determining the indication, dosage and use of oxygen therapy (timing)
  35. Accompanying transport of casualties within the area of the hospital
- E) Communication with patient/team
36. Communicating with severely ill patients
  37. Communicating with "difficult" patients and relatives
  38. Elaborating a clinical question and searching for its solution in the literature
  39. Notification of examination using instruments or of a specialist consultation with detailed explanation
  40. Informing colleagues and other professionals on findings and checking understanding
  41. Giving information to a patient for a planned surgical procedure/endoscopy/ intervention or for an anaesthetic procedure and obtaining consent
  42. Breaking bad news to patients and family (simulated situation)
  43. Summarizing the main points of diagnoses, active problems and management plans of a patient
  44. Clarifying with nursing staff monitoring measures and calling criteria concerning patients
  45. Managing patients with contradictory investigation results
  46. Discussing diagnoses/prognoses with patients
- F) Documentation
47. Recording findings in patient file
  48. Filling in prescription forms / Prescribing therapies
  49. Writing a detailed referral for an examination (using instruments) (e.g. CT)
  50. Writing a discharge letter
  51. Writing a daily medical report on the present status and progress of a patient
  52. Filling in a death certificate and/or requesting post-mortem (simulated situation)
  53. Diagnostic coding
  54. Requesting information in hospital information system

### 3.2 Optional competences

In addition to the competences that are mandatory to achieve, further competences from the list below or from relevant surgical disciplines as well as anaesthesia and intensive care (see individual training plan) may also be acquired.

1. Assessment of patients with medical emergencies and after trauma
2. Participation in the diagnosis of suspected deep vein thrombosis/pulmonary embolism
3. Participation in the diagnosis of suspected pneumothorax
4. Ascertaining the vascular status of the lower extremities
5. Untersuchung des Abdomens
6. Assessing trauma patients ABCDE (ATLS)
7. Positioning a gastric tube

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

### 4.1 The following aspects can be assessed in the Mini-CEX:

1. Taking a medical history and clinical examination on out-patient admission for an operation
2. Symptom-oriented examination and the ordering of further diagnostics in the case of an acute patient
3. Giving information to a patient regarding a planned surgical procedure/endoscopy/ intervention or for an anaesthetic procedure and obtaining consent
4. Case presentation during ward teaching rounds (information on active status)
5. Identification of possible risk factors for surgery/anaesthetic and appropriate clarification
6. Assessment of perioperative fluid balance and loss of electrolytes and prescription of appropriate replacement
7. Evaluation of the perioperative nutritional situation and gastrointestinal function
8. Performance of perioperative patient safety measures (checklist, sign-in/time-out/sign-out)
9. Carrying out an assessment algorithm for an acutely ill patient
10. Communicating with "difficult" patients and relatives
11. Assessment of drug side effects and their management
12. Determining the indication, dosage and use of oxygen therapy (timing)
13. Assessing trauma patients according to ABCDE (ATLS)
14. Accompanying transport of casualties

This list can be expanded accordingly.

#### 4.2 The following skills can be assessed in the DOPS

1. Treating a wound in an out-patient setting or in the operating room
2. Performing a sterile dressing change and wound cleaning
3. Removing sutures and clips
4. Removing drains
5. Performing a suture
6. Preparation of a bodily region for operation (washing and covering)
7. Surgical hand disinfection
8. Handling a central venous catheter
9. Removing a central venous catheter
10. Positioning a urinary catheter
11. Application of local (infiltration) anaesthesia/Oberst conduction anaesthesia

This list can be expanded accordingly.