

Learning objectives – mandatory

The fulfilled and assessed learning objectives must be marked by the student with an x.

The assessment can be performed by the mentor in three ways: direct observation of the student during performance of a clinical activity (see page ii), CPY task (see page P4-P6), Mini-CEX/DOPS (see page v-vi). At the end of completion of the CPY tertial in the respective department, fulfilment of the learning objectives must be signed off by the mentor.

Competence	Objectives completed
Taking a medical history	
1. Taking a specific history in cases involving blood count abnormalities (e.g. anemia, leukopenia, thrombocytopenia, leucocytosis, thrombocytosis, erythrocytosis, abnormalities in the differential blood count)	☐
2. Taking a specific history in cases of hematological neoplasia (e.g. acute and chronic leukemia, lymphoma, multiple myeloma, myelodysplastic and myeloproliferative conditions, paroxysmal nocturnal hemoglobinuria)	☐
3. Taking a specific history in platelet disorders (e.g. autoimmune thrombocytopenia, thrombotic microangiopathy, thrombocytopathies)	☐
4. Taking a specific history in patients with increased tendency to bleeding (e.g. plasma coagulation disorders, hemophilia, von Willebrand disease, consumption coagulopathy, coagulation inhibitors, etc.)	☐
5. Taking a specific history in patients with increased tendency to thrombosis (e.g. thrombophilia, anti-phospholipid antibodies, etc.)	☐
Performance of examination techniques	
6. Knowledge and performance of a specific examination of a patient with a hematologic disease under instruction	☐
7. Knowledge and performance of a specific examination of a patient with increased tendency to bleeding under instruction	☐
8. Knowledge and performance of the bedside test under instruction	☐
9. Knowledge and performance of blood transfusion under instruction	☐
10. Knowledge and performance of blood transfusions under instruction	☐
11. Knowledge and performance of platelet transfusions under instruction	☐
12. Knowledge and performance of iliac crest biopsy under instruction	☐
13. Knowledge and performance of hemodynamic and respiratory monitoring under instruction	☐
14. Knowledge and performance of ordering cytostatic therapy under instruction	☐
15. Knowledge and performance of administering cytostatic therapy under instruction	☐
16. Knowledge and performance of the determination and documentation of the clinical performance status (Karnofsky Performance Score and WHO/ECOG Performance Score) under instruction	☐
17. Knowledge and performance of the selection, planning and prescription of diagnostic measures in hematological and clotting disorders under instruction	☐

Competence

Objectives completed

Performance of routine skills

18. Interpretation of laboratory findings (e.g. blood cell counts, differential blood count, serum chemistry, electrophoresis, immunoglobulin tests, leukocyte type testing, blood clotting tests, etc.)	☐
19. Identification of discrepancies from normal range, identification of dangerous lab result constellations	☐
20. Knowledge of the principles and practice of specific laboratory methods in hematology and coagulation (e.g. blood cell counts, blood and bone marrow morphology, bone marrow histology, leukocyte type testing, fluorescence in situ hybridisation, polymerase chain reaction, other molecular diagnostics, plasma mixing studies, crossmatching, Coombs Test, HLA type testing)	☐
21. Knowledge of the principles and specific evaluation of imaging techniques (e.g. chest X-ray, computerized tomography, magnetic resonance imaging, positron emission tomography, sonography)	☐
22. Structured recording of scores in hematology and hemostasis	☐
23. Management of acute situations (within the framework of statutory regulations) (e.g. transfusion incidents, reactions to drug therapies including cytostatics, neutropenic infections, acute pain)	☐
24. Management of nausea and vomiting in patients receiving chemotherapy	☐
25. Clinical assessment of a neutropenic patient	☐
26. Phlebotomy	☐
27. Interpretation of scientific publications	☐

Therapeutic measures

28. Elaborating a clinical question and searching for its solution in the literature	☐
29. Working with local / national and international guidelines and protocols	☐
30. Prescribing measures in treatment of pain, palliative and end-of-life care with a particular focus on morphine therapy	☐
31. Filling in prescription forms	☐
32. Ability to check the fitness of patients for systemic oncological therapy (chemotherapy and biological therapies) using suitable clinical methods, instruments/equipment and lab tests	☐
33. Knowledge of the mode of action, side effect profile, indications and contraindications of the following types of therapy: cytostatic chemotherapy, antibody therapy, biologicals, antimicrobial therapy, anticoagulant therapy, hemostatic therapy, supportive therapy, steroid therapy, autologous and allogeneic stem cell transplantation, plasmapheresis, plasma exchange, immunoadsorption	☐

Competence

Objectives completed

Communication with patient/team

- | | |
|--|-----------------------|
| 34. Learning to conduct informed consent discussions with patients and relatives | ☐ |
| 35. Bedside communication with patients regarding specific procedures and treatments (e.g. chemotherapy, punctures, etc.) | ☐ |
| 36. Communicating within a multidisciplinary team, informing colleagues and other professionals on findings and checking understanding | ☐ |
| 37. Participation in ward rounds, team meetings, professional development events | ☐ |

Documentation

- | | |
|---|-----------------------|
| 38. Retrieving patient-specific information from clinical data system | ☐ |
| 39. Learning to manage specific patient histories and documentation materials | ☐ |
| 40. Coding of diagnoses and medical services | ☐ |

Verified by mentor

Learning objectives – optional

In addition to the competences that are mandatory to achieve, optional competences from the training programmes may also be acquired.

Competence as per training programme	Objectives completed
	☐
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	☐
	☐
Verified by mentor	