

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 |
|---|-----------------------|
| Pre-analysis | |
| 1. Assessment of clinical data in order to choose the appropriate test/investigation procedures | <input type="radio"/> |
| 2. Assessment of suitable medical laboratory tests for clinical questions | <input type="radio"/> |
| 3. Knowledge of the appropriate investigation materials for individual laboratory analyses | <input type="radio"/> |
| 4. Knowledge of the correct delivery modalities for various investigation materials for the identification of bacterial pathogens and fungal infections (collection, transportation and storage of investigation materials) | <input type="radio"/> |
| 5. Recognition and avoidance of significant pre-analytic errors | <input type="radio"/> |
| Analysis – performance of routine skills and procedures | |
| 6. Preparation and microscopy of gram stains | <input type="radio"/> |
| 7. Creating, processing and reading simple cultures | <input type="radio"/> |
| 8. Creating and reading of an antibiogram | <input type="radio"/> |
| 9. Performance of point-of-care tests | <input type="radio"/> |
| Interpretation of findings | |
| 10. Evaluation and interpretation of microbiological findings in the areas of sepsis, urinary and stool diagnostics | <input type="radio"/> |
| Communication | |
| 11. On-going communication with other healthcare professionals in the laboratory team, e.g. for coordinating the methodology sequence in the diagnostic process or for clarifying implausible results etc. | <input type="radio"/> |
| 12. On-going communication with clinical senders, e.g. in the case of uncertainty regarding the indication of referral or for notification or discussion of test results etc. | <input type="radio"/> |
| 13. Joint discussion of current cases with treating clinicians regarding the use of microbiological diagnostic procedures in specific situations | <input type="radio"/> |
| 14. Presentation of diagnostic cases | <input type="radio"/> |
| 15. Participation in interdisciplinary meetings (e.g. microbiology, hospital hygiene, infectiology) at the individual hospital where possible | <input type="radio"/> |

Competence

Objectives completed

Documentation, laboratory organisation and quality assurance

| | |
|---|-----------------------|
| 16. Basic knowledge of quality management in clinical microbiology | <input type="radio"/> |
| 17. Documentation of test results | <input type="radio"/> |
| 18. Basic understanding of the technical and medical validation of test results | <input type="radio"/> |
| 19. Basic understanding of the interpretation of antibiograms and antimycograms, taking into account EUCAST European standards | <input type="radio"/> |
| 20. Basic understanding of applications of the laboratory information system and its interface with the hospital information system | <input type="radio"/> |
| 21. Application of relevant legislation and mandatory reporting requirements | <input type="radio"/> |
| 22. Understanding and use of measures to evaluate the quality of a laboratory test (e.g. sensitivity, specificity, positive and negative predictive value etc.) | <input type="radio"/> |

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 | |

