Core Training in Anaesthesiology – Introduction Year

Portfolio

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DASAIM

Danish Society of Anaesthesiology and Intensive Care Medicine

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Foreword

This portfolio contains templates for preparation of training plan; forms and competence assessment for the mandatory workplace-based training assessments. Monitoring of whether the objectives for the training have been achieved are kept in the logbog.net in the Curriculum for Specialist training in Anaesthesiology — Core Training programme for Introduction year. The following contains a short description of the procedures concerning workplace-based training. The anaesthesia training manual contains a more detailed description of how the assessment is conducted in practice.

The portfolio for specialist training in anaesthesiology is produced by a designated work group under the Danish Society of Anaesthesiology and Intensive Care Medicine (DASAIM).

Rikke Borre Jacobsen Chairman of the Educational Committee Danish Society of Anaesthesiology and Intensive Care Medicine (DASAIM) July 2018

Workplace-based assessment

Plans for training and learning reports

Training plans/reports should be prepared every third month as a part of the structured conversation with supervisor during the introductory training. The training plans and the learning report contribute to ensure responsibility for the trainee's own learning and methodology, which ensures learning and documentation of the acquired knowledge.

General assessment

During the training course, often after six and again after nine months, a regular formative general assessment is conducted of the trainee's handling and behaviour, i.e. how the trainee *performs* in practice. This assessment is related to the described competence objectives.

Mini Clinical Evaluation Exercise (Mini Cex)

Twice during the training course, after approx. six and again after nine months, a formative assessment is conducted of the trainee's handling and behaviour during on-call execution.

For both the general assessment and the Mini Cex the supervisor should provide constructive feedback for the trainee when the assessments have been conducted. The assessments are used to indicate areas where the trainee could improve or needs to make improvements. The supervisor should ensure that the interview is constructive and that the supervisor and the trainee at the end of the interview agree on possible focus areas. If an assessment is below expected the level, a written plan of action for improvements for the next assessment is prepared, as well as how and when the next assessment is conducted.

The general assessment also includes a continuous monitoring of quality of work, such as *Cusum Scoring of procedures* and *experience registration*.

The assessments are conducted in relation to the objectives (please see the statement of aims) with specification of the basis of assessment, which can include one or several of the following methods:

- Assessment using specific methods
- Observation of the trainee
- Review of record material
- Discussion with the trainee
- Feedback from others
- Other

During the last part of the introductory training, when the last general assessment and the last Mini Cex have been conducted, these along with the specific workplace-based assessments form the basis for approval of the introductory training. If this is not the case, early measures have to be implemented, possibly in cooperation with the Regional Secretariat for Continuing Medical Education ("Det Regionale Videreuddannelsessekretariat").

The final assessment should be conducted by the consultant responsible for education with the trainee and his/her supervisor.

Assessment using specific methods

The training includes a number of mandatory specific assessments during the course of training. Furthermore, in some cases the different wards and departments will choose to use specific methods for assessment of competences in selected areas. This will appear from the training programmes.

Observation of the trainee

Observation of the trainee during his/her work performance and the trainee's contribution at conferences and professional discussions etc. is an important source of information about his/her competences.

Review of record material

Records are an important source for assessment of the trainee's competences. It can be helpful to organise the review and in advance prepare for areas of interest. Record review combined with a discussion with the trainee may be useful. The structured interview conducted by the supervisor could be based on record review with fixed subjects for discussion.

Discussion with the trainee

Regularly, the supervisor will discuss different issues and tasks with the trainee. Among other things these discussions serve to identify whether the trainee possesses the necessary background knowledge and is able to link this to practice. Finally, the discussion may include considerations regarding generalisation according to concrete examples. During the interviews the discussion is focused on whether the trainee's progress on training course is satisfactory. Among other things this review is used as basis for assessment of the expertise within the anaesthesia specialty.

Feedback from others

In many cases, the supervisor will not supervise the trainees directly during his/her work. This is partly due to logistic issues, and partly because it is important, that the trainee develops independence in his/her work. In many cases, the supervisor will have to rely on statements about the trainee from other people. Several different people, who work closely with the trainee, would be able to provide different types of information regarding the trainee's competences.

Feedback regarding the trainee's work method from other people can be both positive and negative. It is the responsibility of the supervisor to ensure that the information is as valid and reliable as possible. It can be useful to specify the desired or available information and, if necessary, organise the collection of information.

Other

The portfolio can include several types of quality documentation of the work performance and of the way that different issues and tasks are being handled. For instance, it could be written statements from other people, course certificates, reports on management of particular issues, etc. The trainee presents this documentation to the supervisor when he/she is going to conduct the general assessment. The documentation is filed in the portfolio and is uploaded in logbog.net. The trainee is free to collect different types of documentation in the portfolio. It is recommended to collect documentation of specific activities, such as specific or complicated patients, management of difficult issues, statements from others, direct assessment of performances, prepared instructions for the department, QA projects, etc.

Cusum Scoring and experience registration

The general assessment also includes a continuous registration of quantity and quality of work, such as Cusum Scoring of certain procedures and experience registration. During the clinical working day, the experience registration form in the portfolio can be used. It is important to register as many activities as possible. At the introductory interview, this is agreed in detail with the consultant responsible for education. As a minimum, the registrations are reviewed at the midway assessment interview to adjust the clinical activities and thereby ensure extensive experience as evidence of participation in department activities. At

the final assessment interview, the consultant responsible for education certificates review of the experience registration and the trainee holds the documents in the portfolio.

Specific assessments

DASAIM recommends several mandatory specific assessments, which are included in this portfolio. The criteria for assessment are included in forms, which can be found in the portfolio. The specific assessments can be conducted by the supervisor or another staff member.

In order to achieve an overall approval of the performance, the supervisor must be able to respond with YES to all items in a form. A YES next to an item means, that the item has been completed sufficiently and with sufficient quality. It is the responsibility of the individual supervisor to assess "the sufficiency" based on the supervisor's professional responsibility for good medical practice. Finally, the supervisor presents an overall assessment of the performance and decides whether it can be approved, and if so, he/she signs the assessment.

If a workplace-based assessment cannot be approved, the trainee will receive indications of areas where he/she needs to make improvements as well as the measures to achieve this. A new assessment is conducted when the trainee believes to be ready for this. If a performance cannot be approved after the third attempt, something is wrong and the consultant responsible for education should be included in the assessment.

The trainee keeps the approved form and uploads it in logbog.net as documentation and presents it to the supervisor at the meetings. To receive approval for the entire training course, all specific objectives must be achieved.

Courses

Specialty-specific courses are held in all three regions.

The course series for the specialty-specific courses are organised by the regional departments of anaesthesiology collaboratively. The course series differs slightly from region to region. The scope and content of the courses are included in the training programme of the departments.

The specialty-specific courses are a supplement to the clinical training and are primarily aimed at content that is assumed to be difficult to learn for the individual trainee doctor, i.e. difficult to comprehend, difficult to put into practice or where group work is necessary, such as communication, management or co-operation between team members.

It is recommended that all trainees are offered these courses, but it is not a mandatory element.

Training course approval

Obtaining competences must be documented by approval in logbog.net, typically in connection with supervisor interview, where the trainee presents his/her approved competence assessments and other assessments. The training is approved based on the collected documentation of competences. The consultant responsible for education conducts an overall certification of the introductory training in logbog.net.

Assessment of the learning framework

The assessment of the department and the learning framework for the training serves the purpose of gathering information about the trainees' opinion of the quality of the department's educational measures. This assessment is conducted according to the guidelines of the Danish Health Authority and the Regional Secretariats for Continuing Medical Education.

Overall list of workplace-based assessments

Comp	etence	Method	Time		
		General assessment	After 6 th and 9 th month		
Exper	tise within the anaesthesia	Cusum scoring/experience registration			
specia	alty	Mini Cex	After 6 th , 9 th and 11 th		
			month		
Anaes	thesia/perioperative medicine				
1.	Airway Management	Structured observation	Before 3 rd month		
2.	Anaesthesia device	Structured observation	Before 3 rd month		
3.	General anaesthesia	Structured observation	Before 3 rd month		
4.	Anaesthesia for acute patient	Structured observation	Before 3 rd month		
5.	Spinal anaesthesia	Structured observation			
6.	Epidural anaesthesia	Structured observation			
7.	Central venous catheter	Structured observation			
8.	Anaesthesia for patients with	Written assignment	Before 6 th month		
	complicated conditions				
Intens	sive Care Therapy				
9.	Fluid/nutrition plan	Record review			
10.	Respirator treatment	Observation			
11.	Ward round, intensive care patient	Observation			
Acute	conditions				
12.	Advanced resuscitation	Observation	Before 3 rd month		
Comm	nunication	General assessment	After 6 th and 9 th month		
Comm	iumcation	Mini Cex	After 6 th , 9 th and 11 th		
		Willi Cex	month		
13.	Preoperative patient consultation	Observation	Before 3 rd month		
Dain N	/Janagement				
Palli					
14.	Postoperative pain management	Structured conversation with	Before 6 th month		
		supervisor			
Coope	eration	General assessment	After 6 th and 9 th month		
СООРС		Mini Cex	After 6 th , 9 th and 11 th		
		Willin CCX	month		
Organ	isation/management	General assessment	After 6 th and 9 th month		
O i gain	isation, management	Mini Cex	After 6 th , 9 th and 11 th		
		THE COX	month		
Acade	mic competence	General assessment	After 6 th and 9 th month		
15.	Reflection on patient courses	Reflective report			
Profes	ssionalism	General assessment	After 6 th and 9 th month		
1		1	•		

Plan for training

The trainee prepares the plan for the training every third month and hands it to the supervisor at least three days prior to the meeting. The plan is discussed with the supervisor and may be adjusted later on. The plan is filed in the trainee's portfolio and can be uploaded to logbog.net.

Training plan for clinical stay	
Ward or department	
Hospital	
Period from	to
Name, Trainee	
Name, Supervisor	
Date of the meeting	
Date of the next meeting	
Learning need/interest	
Learning objective: Which objectives are there for this time period?	
Activities: Which activities are needed to complete the objective, and when are they to be performed?	
Assessment criteria: Which type of documentation should be collected to demonstrate that the objective has been completed?	

Learning report

Following the end of the time period, the trainee prepares a report every third month on the acquired knowledge according to the training plan. The report is given to the supervisor at least three days prior to the meeting and is then discussed. Is filed in the trainee's portfolio.

Training plan for clinical stay	
Ward or department	
Hospital	
Period from	to
Name, Trainee	
Name, Supervisor	
Date of the meeting	
Learning objective: Which objectives have been completed for this time period?	
Assessment criteria: How has the completion of the objective been documented?	
Insufficiencies: Which objectives have not been met? Reason? Could/should measures be implemented, and if so, which/how?	
Reflection: Thoughts and considerations of the course of training and the acquired knowledge.	

General assessment										
Name, Trainee										
Training element (hospital, department, ward)				•••••						
Period: From date To	date									
During the past period, the trainee has demonstrated the following action way and behaviour:	Can not be asses- sed	1 Poor	2	3	4	5	6	7	8	9 Excellent
		Belov	w expe	cted	Expe	ected I	evel	Ab		pected
Expertise within the anaesthesia specialty Demonstrates a theoretical, clinical and situational knowledge and understanding in the handling of work and issues within the			level						lev	ei
anaesthesia specialty. Demonstrates sufficient clinical skills equivalent to the expected level.										
Communication Handles communication as characterised by understanding and respect for the recipient's wishes and need for information and dialogue.										
Cooperation Cooperates with others with respect and attention to their professionalism, situational roles and functions and contributes with own expertise.										
Organisation/management Organises and prioritises work respecting demands for efficiency and safety in patient management and in consideration of own and organisational resources. Assumes team leader position if appropriate.										
Academic competence Demonstrates will and ability to continuously search for new knowledge, assess and develop own expertise as well as contribute to the development of other people and the profession in general.										
Professionalism Demonstrates responsibility in the execution of practice in relation to patients, the organisation, the profession and the surroundings.										
Any comments and proposals for improvemen	ts <i>must</i>	be pre	sent in	case	of asse	essmei	nt belo	w exp	ected	level

Date:	Signature:

General assessment (page 2 of 2) Name, Trainee: The above general assessment is conducted based on one or more of the following methods: Specific Observation of Review of Discussion with Feedback Other method the trainee record material the trainee from others (please (enclosed) specify) Any comments and proposals for improvements regarding handling and behaviour are enclosed: YES (must be available at assessments 1, 2 and 3) Experience YES NO The trainee has achieved appropriate breadth, volume, and quality in relation to the objectives of the period. Cusum Scoring (enclosed) Review of experience registration Observation of the trainee Discussion with the trainee Feedback from others Other (please specify) Date: Signature:

On-call competence – Mini	Clinica	l Eval	uatio	n Ex	ercis	se (N	/lini (Cex)		
Name, Trainee										
Training element (hospital, department, w										
	•									
Date Assessed by physicia										
Competence card: This assessment of the trainee should be conducted three times during the introductory training. The schedules are included in the training programme. The trainee schedules the assessment with the on-call specialist anaesthesiologist at the beginning of the shift. Prior to finishing the shift, the form is completed, and the specialist doctor gives constructive feedback with focus on development areas. The assessment should be present at the supervisor interviews. The last assessment should be at "expected level" or "above expected level". If this is not the case, the consultant responsible for education is involved and a plan of action is agreed upon, possibly with the involvement of the Continuing Medical Education (Den Lægelige Videreuddannelse).										
During the past period, the trainee has demonstrated the following handling and behaviour:	Can not be asses- sed	1 Poor	2	3	4	5	6	7	8	9 Excel- lent
		Belo	w expe	cted	Fyn	ected I	evel	Above expected		ected
16 11 11 11 11			level	<u> </u>	LAP	l cctcu i	T		leve	l
Acquaints oneself with the on-call tasks at the beginning of the shift										
Prioritisation of tasks										
Communication with team about execution of tasks										
Communication with collaborators from other departments										
Knowledge about own competences/ limitations – relevant request for assistance										
Sense of perspective and organising of tasks/resources										
Demonstrates receptiveness towards team member experience										
Contributes actively to constructive cooperation										
Feedback: Very good performance by the trainee										
Feedback: Room for improvements by the trainee:										
Feedback: Scheduled plan for improvements:										
Any comments and proposals for improven	nents <i>must</i>	be pres	ent in c	ase of a	assessn	nent be	low ex	pected	level	

CUSUM SCORE, qualitative scoring of performance

Name,	Trainee:	

Qualitative registration of success rate for: epidural, spinal, CVC, and artery needle. The form can be used during periods when you wish to Cusum Score one or more of the specified procedures. The scoring is applied as below, and a continuous summary is performed for each procedure. It is useful to complete the registration electronically, www.dasaim.dk. The form can be used to make notes during the day or shift and data can later be registered in the database.

Procedure and definition of "failed"

Epidural: failed is missing take, dura puncture or more than two passes. New pass is defined as at new level or shift from median to paramedian technique. Accidental pass in vessels does not count as a pass.

Spinal: failed is missing take or more than two passes, definition similar to epidural.

CVC: failed is new vein attempt.

Artery needle: failed is new artery attempt.

	Epidural	Spinal	cvc	A needle
Scores for fail	+ 0.93	+ 0.86	+ 0.91	+ 0.71
Scores for success	÷ 0.07	÷ 0.14	÷ 0.09	÷ 0.29
Max acceptable score	+ 2.94	+ 2.71	+ 1.81	+ 2.24

Procedure number	Epidural	Spinal	cvc	A needle
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Ехрє	Experience registration, qualitative registration of anaesthesia service							
Name	e, Trainee							
Date,	e specify the following for each patient: age, sex, ASA group, risk factors, type of surgery, elective/emergency, type of anaesthesia, procedures, ications							
It is us	eful to complete the registration electronically. The form can be used to enter notes continually.							
1								
2								
3								
4								
5								
6								
7								
8								

1 Airway Management – structured observation	
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's ability airway management. The supervisor observes the trainee during the practical course and performs continuous and subassessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive for the trainee.	osequent
	YES
Communicates adequately with the patient and prepares the patient according to the situation	
Performs a preoperative airway assessment, including assessment of difficult airways	
Accounts for purpose and indication for intubation	
Positions the patient optimally for airway management	
Uses mask correctly during spontaneous respiration and assisted ventilation	
Accounts for the choice of endotracheal tube	
Performs oral intubation and tests tube position	
Exercises caution in relation to teeth during intubation	
Accounts for indication and contraindication for use of laryngeal mask	
Accounts for the choice of relaxants and monitoring of neuromuscular blockade in connection with intubation and operation (non-depolarising and depolarising agents) as well as reversal of this	
Prepares and performs smooth arousal and extubation of the patient at the relevant and planned time	
Is systematic in the practical handling of the tasks	
Handles medication and utensils orderly	
Accounts for prevention of and precautions in relation to dental trauma	
Accounts for the initial steps in difficult airway algorithm including the timing of call for assistance	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

2 Anaesthesia device – structured observation	
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's knowleand ability to test an anaesthesia device. The supervisor observes the trainee during the practical course and performs continuous and sul assessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive functions.	bsequent eedback to
	YES
Accounts for design and function of an anaesthesia device, including gas supply, gas pressure, flow conditions in the device, flow meters, valves, absorber, vaporizer, suction	
Accounts for volume and pressure-controlled ventilation	
Uses monitoring equipment correctly, ECG, BP, pulse oximeter, capnograph, airway pressure, and neuromuscular monitoring	
Accounts for function and most common sources of error in monitoring equipment: ECG monitor, blood pressure device, pulse oximeter, capnograph, gas monitoring device, neuromuscular monitor	
Demonstrates sufficient test of an anaesthesia device	
Is systematic in the practical handling of the tasks	
Finds and corrects three errors in the device inflicted by the supervisor	
Accounts for handling of a situation with anaesthesia ventilator failure	
Accounts for handling of a situation with oxygen supply failure	
Accounts for location and conditions for gas storage	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's abil general anaesthesia. The supervisor observes the trainee during the practical course and performs of subsequent assessment according to the items listed below. Regardless of approved or failed consupervisor provides specific and constructive feedback to the trainee.	continuous and
	YES
Accounts for a plan for anaesthesia, including appropriate choice of anaesthetics, medical/pharmacological reason for dosing conditions and sequence of administration Accounts for pharmacokinetics and -dynamics for the choice and dosing of anaesthetics	
Prepares preoperative holding area and/or operating room adequately	
Performs satisfactory test of anaesthesia device and suction at the operation suite	
Verifies patient identity	
Communicates adequately with the patient and prepares the patient according to the situation	
Positions the patient appropriately	
Establishes appropriate monitoring prior to induction	
Performs preoxygenation, if necessary	
Manages anaesthesia induction uncomplicated	
Maintains anaesthesia appropriately, including fluid administration, heat loss prevention and administration of relevant medicine Performs smooth arousal of the patient	
Handles medication and utensils orderly	
Is systematic in the practical handling of the tasks	
Communicates and cooperates adequately with the team to ensure that the team has a common situation awareness of the operation Keeps anaesthesia record with care	
Accounts for prevention of PONV	
Chooses rationally and prescribes postoperative treatment (fluid, analgesics, observation, other)	
Performs transfer to postoperative ward and accounts for postoperative observation, possible complications and planned pain management	

4 General anaesthesia for acute patient – structured observation	
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's ability general anaesthesia for an acute patient. The supervisor observes the trainee during the practical course and performs continuous and subassessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive for the trainee.	osequent
	YES
Formulates a plan for anaesthesia, accounts for the sense of urgency, type of operation and the patient's comorbidity Prepares preoperative holding area and remedies adequately	
Verifies patient identity	
Communicates adequately with the patient and prepares the patient according to the situation, including positioning Performs preoxygenation correctly	
Utilises an appropriate sequence and dose of anaesthetics for induction	
Handles medication and utensils orderly	
Is systematic in the practical handling of the tasks	
Communicates and cooperates adequately with the team to ensure that the team has a common situation awareness of the operation Keeps anaesthesia record with care	
Accounts for rules for fasting period which affect gastric emptying	
Accounts for indication of acute initiation	
Accounts for the physiology of preoxygenation	
Accounts for causes of sudden hypoxia during anaesthesia and a plan of action	
Accounts for causes of sudden decrease in BP during anaesthesia a plan of action	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

5 Spinal anaesthesia – structured observation	
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's abilit and manage spinal anaesthesia. The supervisor observes the trainee during the practical course and performs continuous and subassessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive f the trainee.	osequent
	YES
Sets up procedure table and verifies medicine and instruments	
Prepares preoperative holding area and/or operating room adequately	
Accounts for choice of local anaesthetic, dose, and equipment	
Formulates a plan for handling of side effects or undesirable and toxic effects	
Communicates adequately with the patient regarding procedure and positioning during insertion	
Positions the patient in collaboration with assistant	
Identifies relevant insertion point	
Disinfects and drapes insertion area	
Manages relevant insertion technique and ensuring positioning prior to injection of anaesthetic	
Observes the patient after induction of spinal anaesthesia	
Manages circulatory support measures in connection with spinal anaesthesia	
Tests and specifies level of anaesthesia distribution	
Handles medication and utensils orderly	
Is systematic in the practical handling of the tasks	
Communicates and cooperates adequately with the team	
Accounts for indications and contraindications for spinal anaesthesia	
Mentions three significant complications of spinal anaesthesia and accounts for relevant management of these complications	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

6 Epidural block – structured observation	
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's ability to manage epidural anaesthesia. The supervisor observes the trainee during the practical course and performs continuous and subsequences assessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive feeds the trainee.	uent ack to
	YES
Sets up procedure table and verifies medicine and instruments	
Prepares preoperative holding area and/or operating room adequately	
Accounts for choice of local anaesthetic, dose, and equipment	
Formulates a plan for handling of side effects or undesirable and toxic effects	
Communicates adequately with the patient regarding procedure and positioning during insertion	
Positions the patient in collaboration with assistant	
Identifies relevant insertion point	
Disinfects and drapes insertion area	
Manages correct insertion technique and identifies epidural space – (loss of resistance)	
Inserts epidural catheter correctly and fixates epidural catheter adequately	
Tests catheter placement and explains background for testing	
Performs relevant observation of the patient after insertion of epidural catheter	
Manages circulatory support measures in connection with epidural anaesthesia	
Identifies area of distribution – with specification of levels	
Communicates and cooperates adequately with the team	
Handles medication and utensils orderly	
Is systematic in the practical handling of the tasks	
Accounts for indications and contraindications for insertion of epidural catheter	
Mentions three significant complications of epidural anaesthesia and accounts for relevant management of these complications	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

7 Central venous catheter – structured observation	
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's ability central venous catheter. The supervisor observes the trainee during the practical course and performs continuous and subassessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive for the trainee.	osequent eedback to
	YES
Specifies indications and contraindications for CVC insertion – in relation to the actual patient	
Mentions two frequently used CVC approaches and argues for the choice of vein for CVC in relation to anatomical conditions as well as pros and cons for the individual patient Sets up procedure table and verifies medicine and instruments	
Prepares preoperative holding area and/or operating room adequately	
Communicates adequately with the patient regarding procedure and positioning during insertion	
Positions the patient in collaboration with assistant	
Identifies relevant insertion point	
Disinfects and drapes insertion area	
Performs application of local anaesthetic satisfactory	
Manages correct insertion technique inserts US-guided catheter, inserts guide wire and catheter, and verifies position	
Tests catheter function and accounts for indications for x-ray verification of catheter and particular points of interest during assessment of x-rays	
Communicates and cooperates adequately with the team	
Handles medication and utensils orderly	
Is systematic in the practical handling of the tasks	
Accounts for three significant complications for CVC insertion, precautions in relation to prevention of these as well as handling complications	
Keeps record notes, including any prescription in relation to observation, use and discontinuation of CVC	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

8 Anaesthesia for patients with complicated conditions – written rep	port
Name, Trainee	
Competence card: This is an assignment in critical reflection on practice in management of anaesthesia for major (open) abdoming The assignment is submitted to the advisor, who reviews it according to this form and provides a follow-up wand constructive oral and written feedback. Any lack of approval must be substantiated and focus areas defined. A report is prepared (max five pages in A4 format, 1.5 spacing) and submitted to the supervisor. The assessed according to the form below.	with specific s should be
The assignment: This assignment consists of several case scenarios. For all scenarios, the patient is to undergo elective, me lower abdominal surgery. For case 1 you should describe perioperative management in connection we anaesthesia. The description should contain: Reason for preoperative preparation and any medication, dosage of anaesthetics and anaesthesia technique (induction, relaxation, maintenance, reversal), fluid/electrolyte administration and postoperative pain management. For each of the following scenarios should account for any changes in your choice of preoperative management of the patient and pharmacological reason for this.	vith general choice and choice of s, 2-11, you
 The patient is age 36, female, 60 kg, and otherwise healthy The patient is similar to item 1, but is suffering from insulin-dependent diabetes mellitus The patient is similar to item 1, but is suffering from moderate COPD and is using inhalation steroic The patient is similar to item 1, but age 86 The patient is similar to item 1, but weighs 120 kg The patient is similar to item 1, but is four months pregnant The patient is similar to item 1, but is breastfeeding her child The patient is similar to item 1, but is on anticoagulation treatment The patient is similar to item 1, but former drug addict, on methadone treatment now. Suffered fro earlier, liver parameters now normal The patient is age 50, but is suffering from mild renal impairment and well-managed hypertension The patient is age 60, but suffering from ischaemic heart disease, previous myocardial infarction at treated for incompensation 	om hepatitis
Assessment of the report based on the items listed below:	VEC
Acceptable and well-founded choice of perioperative management of the patient in Case 1 Case 2 Case 3 Case 4 Case 5 Case 6 Case 7 Case 8 Case 9 Case 10 Case 11	YES
The overall assessment for this competence is approved	
Supervisor's signature:	

9 Fluid/nutrition plan for intensive care patient – <i>structured observation</i>	
Name, Trainee	
Competence card: This competence card is a structured observation based on a presentation of fluid plans preparation.	ared by the
The supervisor observes the trainee according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive f the trainee.	eedback to
	YES
Account for clinical, including haemodynamic, and paraclinical indicators, which are used to assess a patient's fluid status	
Accounts for clinical and paraclinical indicators, which are used to assess the patient's nutrition status	
Accounts for possible routes of administration for fluid, nutrition, and medicine as well as pros and cons for these	
Calculates a patient's daily nutritional needs	
Accounts indications for blood product substitution and potential complications from this according to clinical and paraclinical indicators	
Accounts for the importance of the fluid balance by organ failure	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

10 Respiration supportive treatment – structured observation	
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's ability an otherwise uncomplicated patient with need for respirator treatment. The supervisor observes the trainee during the practical course and performs continuous and subassessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive for the trainee.	osequent eedback to
	YES
Accounts for invasive and non-invasive mechanical ventilation including the difference between spontaneous and controlled ventilation as well as volume and pressure-controlled ventilation Sets up respirator for uncomplicated intensive care patient, including alarm limits as well as	
explains the importance of this Communicates adequately with the patient and prepares the patient according to the situation	
Considers choice of dosing of anaesthetics for induction of an intensive care patient	
Outlines adequate plan for respirator treatment and accounts for monitoring	
Performs reasonable changes in respirator settings	
Discusses indications and contraindications for sedation and relaxation during respirator treatment	
Accounts for importance of daily wake-up call	
Mentions at least three significant complications of respirator treatment, the prevention and any treatment of them	
Discusses timing of extubation	
Accounts for indications and contraindications of invasive and non-invasive mechanical ventilation	
Discusses ethical dilemmas regarding basis for withholding respirator treatment	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

11 Ward rounds for uncomplicated intensive care patient – structul observation	red
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trainee's ability ward rounds for uncomplicated intensive care patient. The supervisor observes the trainee during the practical course and performs continuous and subsessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive fundamental trainee.	osequent eedback to
	YES
Defines the framework for the ward rounds, clarifies participation in the ward rounds, and agrees the flow of the ward round with the care personnel	
 Assesses the patient based on clinical and paraclinical variables: cerebral condition, including use of sedation, delirium and pain scale respiratory status 	
 circulatory status based on haemodynamic parameters gastrointestinal function renal function, including hydration status 	
infection statuscoagulation status	
Creates an overview of the most important present issue and presents a treatment plan based on the clinical variables together with the team and defines goals for the next 24 hours	
Considers which issue should be investigated further (examination, consultations with other specialities)	
Is systematic in the practical handling of the tasks	
Is respectful in relation to patient integrity during ward round and communicates adequately with the patient	
Communicates and cooperates adequately with the team	
Presents patient case systematically at conference	
Discusses communication issues in relation to patient and relatives as well as ethical dilemmas, e.g. in relation to legislation for disclosure of patient information and patient confidentiality	
Documents course and treatment in the records	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

42 Ad a sand an artistica and a data and alternative	
12 Advanced resuscitation – structured observation	
Name, Trainee	
Competence card: This competence card is assessed during the introductory training, no later than three more employment. The assessment is made by the supervisor during observation and discussion of the be with the trainee. The assessment can be made in the clinic or on a phantom. Regardless of approved or failed competence, the supervisor provides specific and constructive for the trainee.	elow items
	YES
Demonstrates utilisation of algorithm according to international standard for resuscitation	
Accounts for indication for defibrillation and demonstrates use of device as well as defibrillation in adults and children	
Accounts for indication for use of different standard medicine as well as standard dosing conditions in adults and children	
Accounts for routine procedures during cardiac arrest in operating room as well as in hospital at locations with defibrillators and demonstrates the use of these	
Accounts for indications for and use of external pacemaker	
Accounts for the organisation of the hospital's cardiopulmonary resuscitation, the role of the department of anaesthesiology in the cardiac arrest team and the role of other staff groups. Accounts for own role in the cardiac arrest team as well as any changes in this as team member/team leader under special circumstances	
Accounts for indications for post cardiac arrest induced hypothermia (Targeted temperature management)	
Accounts for ethical dilemmas and basis for decision regarding initiation and discontinuation of resuscitation	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

13 Preoperative patient consultation – <i>structured observation</i>	
Name, Trainee	
Competence card: This competence card is a structured observation, which should demonstrate the trained preoperative assessment. The supervisor observes the trainee during the practical course and performs continuous and subsessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive for the trainee.	osequent eedback to
	YES
Records relevant anamnesis	
Performs relevant objective examination, including assessment of airway and teeth status	
Demonstrates receptiveness, responds adequately to patient concerns and problems	
Explains anaesthesia as well as sequence of events to the patient	
Explains and instructs the patient in preoperative precautions, such as fasting, medication. etc.	
Obtains informed consent for relevant specific procedures and treatments	
Discusses postoperative pain regimen with the patient	
Encourages the patient to dialogue about participation in the decision about the course regarding anaesthesia	
Provides the patient with information that is understandable and ensures understanding of the information	
Assesses relevant preoperative medicine, examinations, fluid, etc.	
Checks preoperative examinations	
Accounts for the ASA classification system	
Discusses issues regarding informed consent in relation to people without legal capacity and/or incompetent people such as children and people with dementia	
The overall assessment for this competence is approved	
Supervisor's signature: Date	

14 Postoperative pain management – structured observation		
Name, Trainee		
Competence card: This competence card is a structured observation and record review of two anaesthesia courses. One where the patient is under general anaesthesia without block, and a course where the patient besides general anaesthesia is receiving pain management in the form of nerve block. The supervisor observes the trainee during the practical course and performs continuous and subsequent assessment according to the items listed below. Regardless of approved or failed competence, the supervisor provides specific and constructive feedback to the trainee.		
	YES	
Accounts for classification of pain		
Accounts for the pharmaceuticals used for conventional pain management, their indications, contraindications and treatment of their side effects as well as pharmacokinetics and - dynamics/elimination		
Accounts for indications, contraindications and complications for the use of epidural for postoperative pain management		
Accounts for the course of conventional postoperative pain management of a patient who you anaesthetised, prepared plan for the perioperative pain management (please bring copy of anaesthesia and recovery form)		
Accounts for the course of the postoperative pain management of a patient who besides general anaesthesia received nerve block, and who you anaesthetised, prepared plan for the perioperative pain management (please bring copy of anaesthesia and recovery form)		
Accounts for the utilisation of the VAS scale for the assessment of postoperative pain		
Accounts for the possibilities in prevention and treatment of postoperative nausea		
The overall assessment for this competence is approved		
Supervisor's signature:		

15 Reflection on patient courses – reflective report		
Name, Trainee		
Competence card: The patient course description is meant to demonstrate the trainee's ability to assess practice an	d reflect on	
this. The trainee chooses a patient course. The following patient course description should contain theoretical considerations in relation to the practical circumstances and conditions. Notes should be taken during the actual course. Then the trainee performs an analysis of actual course.		
According to the analysis and in cooperation with your supervisor, please define the problem you want to clarify further through a search in literature. Assess the literature and discuss the outcome in relation to the problem.		
A report on the patient course is prepared (max 10 A4 pages, 1.5 line spacing), which should contain a description of the items listed below and a copy of the anaesthesia form and observation form from the recovery room. Please provide appropriate references. The report is submitted to the supervisor who reviews it according to this form and provides a follow-up with specific and constructive oral and written feedback. Any lack of approval must be substantiated, and focus areas should be defined.		
	YES	
Describes the patient and the planned operation		
Accounts for theoretical and practical considerations regarding choice of anaesthetic technology (type of anaesthesia, technique, procedures, monitoring, etc.) in relation to patient's condition and wishes as well as the upcoming surgical procedure and the organisational conditions		
Accounts for the actual course of anaesthesia and recovery		
Analyses the course and any complications		
Formulates the problem and questions, which can be answered through a search in literature		
Concludes the results found in literature in relation to the problem		
Concludes any implications for own or department practice		
The overall assessment for this competence is approved		
Supervisor's signature: Date		