

A NEW DESIGN FOR PRACTICAL EXAMS — A COMPETENCY-BASED APPROACH TO ASSESSING CLINICAL SKILLS

Kathryn Webster, PhD, ATC BU Assessment Symposium 2018



COMPONENTS

Assessment:

- Integrated and cumulative
- Cover professional formation
- Cover formal knowledge and clinical performance
- Include formative feedback
- Include guidance
- Mentoring and summative affirmation of competency at various levels of development

Source: Cooke, M., Irby, D. M., & O'Brien, B. C. (2010). Educating physicians. A call for reform of medical school and residency. San Francisco: Jossey-Bass.



ASSESSMENT STYLE

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Discrete skills → Integrative understanding
Checks lists → Concepts
Specific answers → Demonstration of critical thinking
Isolated performance → Clinical situation



Oxygen Administration

	Yes	No
Explains why oxygen is being administered to the patient (pulse ox Is low, will help to provide more oxygen to the patient's body.) Assessor: ok to ask student why.	1	0
Is familiar with regulator and gauges	1	0
Properly attaches tubing to tank and delivery device	1	0
Chooses correct means for delivery (rescue mask or non-rebreather)	1	0
Opens tank	1	0
Sets oxygen to 10-15 L/min (if non-rebreather or rescue mask)	1	0
Fills reservoir bag prior to applying mask (if non-rebreather mask)	1	0
Applies mask correctly	1	0
Assessor explains the pulse ox has now reached 100% and patient is feeling better.		
Turns off oxygen and bleeds regulator correctly.	1	0
Performed skills with confidence and efficiency (under 2 minutes)	1	0
TASK TOTA	AL /:	10



Adjunct Airway

	Yes	No
Applies gloves	1	0
Opens airway to check breathing	1	0
Measures OPA correctly	1	0
Inserts airway correctly (rotates OPA 180 and keeps tongue clear)	1	0
Let's say as you began to insert the OPA, you hear the patient making a gag noise.		
Measures NPA	1	0
Lubricates NPA	1	0
Inserts into right nostril	1	0
Inserts with opening facing septum	1	0
Inserts until flare rests on nostril	1	0
Completes task with confidence and efficiency (under 2 minutes)	1	0
Ask student to identify contraindications for OPA and NPA. (States OPA: conscious, intact gag reflex; NPA: nasal/fascial fracture)	2	0
TASK TOTAI	- /:	12







Title	Managing a patient in cardiac arrest				
Setting	Men's basketball patient collapses on the court				
Foundational Behaviors	In the delivery of excellent patient care, students will:				
	Aim to keep the patient at the center of care				
	Incorporate all facets of evidence-based practice				
	Recognize the role and scope of athletic training in healthcare				
	Facilitate the use of inter-professional teams				
	Communicate effectively in all aspects of care				
	Develop a systematic approach to ensure thoroughness and efficiency in practice				
	Recognize the potential for multiple correct approaches				
Associated Skills	In this assessment, students will:				
	Perform primary survey				
	Activate EAP				
	 Incorporate the use of emergency equipment 				
	Manage patient airway				
	 Manage patient breathing 				
	Manage patient circulation				

Adapted from: Dhaliwal U, Gupta P, Singh T. Entrustable professional activities: teaching and assessing clinical competence. *Indian Pediatr*.2015;52(7):591-7.

Medical knowledge Patient Care Communication System-based Practice



PATIENT CARE

Competent	Deve	eloping	Not Competent		
Care includes all components listed below	Care lacks 3 or fewer components listed AND 1 or fewer of those components would have a significant impact on patient outcome		Care lacks more than 3 components listed and/or care is lacking more than one component that could have had a significant impact on patient outcome		
ELEMENTS OF PATIENT CARE THAT MAY AFFECT OUTCOME MUST BE DEMONSTRATED TO ACHIEVE COMPETENCE					
 Specific components for care of this patient Conducts primary survey Activates EAP Retrieves necessary equipment Manages patient airway (head-tilt/chin lift, OPA, NPA, suction) Manages patient breathing (BVM, resuscitation mask, nasal cannula, rescue breaths, oxygen administration) 		 General components for all patient care Uses standard precautions as needed Uses emerging information throughout assessment to direct patient care Integrates skills in a timely and efficient way. 			
Manages patient circulation (AED, chest compressions, hands off this responsibility)					
□ Reassesses patient					
Communicates necessary components of patient care					
to others who may be assisting					

GRADING

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	Competent	Developing	Not Competent
Medical Knowledge	25	21	18
Patient Care	25	21	18
Communication	25	21	18
System-based Practice	25	21	18







How will you make this fit for your discipline?

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- 3. Dhaliwal U, Gupta P, Singh T. Entrustable professional activities: teaching and assessing clinical competence. *Indian Pediatr*.2015;52(7):591-7.