Title	Evaluation of patients with circulatory insufficiency
Description	Rapid evaluation with the 'ABCD' approach;
	Take a focused history of a patient with circulatory insufficiency in
	an Emergency Room, Coronary Care Unit, ward or urgent
	outpatient clinic (outside Operating Room and Intensive Care
	settings);
	 Perform a physical exam, including 'ABCD' and vital signs;
	Order and interpret <i>basic</i> diagnostic tests (blood, chest X-ray,
	ECG);
	Draft and rank a differential diagnosis in a patient with circulatory
	insufficiency;
	Propose initial management and treatment plans.
	This EPA does <u>not</u> comprise:
	Care for the patient (nearly) in a cardiopulmonary resuscitation
	setting
	Care for paediatric patients with circulatory instability (< 16 years)
	Interpretation of advanced diagnostic tests (cardiac catheterisation,
	echocardiography)
Link to competency	CanMEDS (Dutch KNMG version):
domains	Medical Expert: applies diagnostic, therapeutic, preventive
	repertoire (1.2)
	Communicator: creates effective therapeutic relationships (2.1),
	reports adequately on a case, orally and in writing (2.4)
	Collaborator: consults others effectively (3.1)
	Scholar: appraises medical information critically (4.1) Continue
	Health Advocate: recognises determinants of disease (5.1) Management of the street contains (6.2) Management of the street contains (6.2)
	Manager: works effectively within a system (6.2) Professional conduct (7.0) discourse.
	 Professional: adequate (inter-)professional conduct (7.2), discerns limits of competence (7.3)
Required knowledge,	Knowledge
skills, and attitudes	Knowledge of normal ranges for blood pressure, heart rate,
(level of doctor in	respiratory rate, saturation and temperature;
postgraduate year 1)	Knowledge of relevant criteria and scores (e.g. Crusade,
	Heartscore, TIMI, CHADS2VASC, SIRS-criteria, hypovolemic shock classification, NYHA classification);
	Knowledge of different types of shock and their treatments;
	Knowledge of levels of care on different wards (normal ward to
	ICU);
	Knowledge of (results of) relevant diagnostic tests (i.e. laboratory
	blood tests, blood gas analysis, chest X-ray and systematic
	interpretation, ECG);
	Knowledge of intravenous fluid therapy protocols;
	Knowledge of most important disorders leading to circulatory
	insufficiency (i.e. different types of shock);
	Knowledge of indications for echocardiography and of relevant
	reported findings;
	Knowledge of indications for cardiac catheterisation (and parautaneous cardiac intervention) and of relevant reported.
	percutaneous cardiac intervention) and of relevant reported findings;
	Knowledge of initial (pharmacological) treatment of different types of
	shock. Inotropes and vasoactive medications.

	Claille
	<u>Skills</u>
	Performs and interprets a systematic physical exam according to
	'ABCD' and monitoring of vital signs;
	Asks timely for help/supervision;
	Takes a focused history and performs a focused physical exam in
	patients with circulatory insufficiency;
	Performs a blood gas analysis;
	 Interprets result of a blood gas analysis;
	Connects patient to monitoring such as ECG/telemetry, non-
	invasive blood pressure, pulse oximetry, and interprets findings;
	Evaluates heart rhythm on telemetry monitor;
	Interprets 12-lead ECG : myocardial ischemia, rhythm- and
	conduction disorders;
	Writes an order for chest X-ray;
	Systematic interpretation of chest X-ray and recognition of relevant
	radiologic findings;
	Sites a peripheral intravenous catheter;
	Drafts and ranks a differential diagnosis and provides a probable
	diagnosis in a patient with circulatory insufficiency;
	Proposes a management plan;
	Proposes orders regarding treatment;
	Reports in medical record and provides a structured handover.
	Attitudos
	Attitudes Discerns and acknowledges personal limits of knowledge, skill and
	capability and can adequately reflect on this;
	 Is set to short cycles of assessment, treatment, and re-assessment;
	Reveals professional role and level;
	Collaborates with ward staff;
	 Professional conduct towards patient and/or relatives;
	Uses Evidence Based Medicine.
Information to	Workplace assessment
assess progress	Mini-CEXs with regard to the evaluation of patients with or without
acces progress	vital instability, including indicating necessity for (acute) intervention
	and with regard to discernment of personal limits of capability;
	Multisource feedback: performance as a team member in urgent
	and non-urgent settings;
	Assessment of knowledge, skills and attitudes
	 Knowledge examination (written, variety of formats);
	 Clinical reasoning and know-how (case-based discussions);
	 Demonstration of isolated skills in non-clinical setting (Objective
	Structured Examination of Clinical Skills);
	Reflection forms regarding performance, difficult moments,
	discernment of limitations.
	Assessment of clinical performance
Townsties	Simulation of acute care settings. Indicate the setting of t
Target level of	Indirect supervision (immediately available): evaluation and initial
supervision	management, awaiting arrival of help/supervisor
(entrustment)	
When is	At the end of DTY Acute Care
unsupervised	
practice expected?	
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