PALS Systematic Approach Summary

Initial Impression

Your first quick (in a few seconds) "from the doorway" observation

Appearance	Including level of consciousness (eg, unresponsive, irritable, alert and ability to interact)			
Breathing	Increased work of breathing, absent or decreased respiratory effort, or abnormal sounds heard without auscultation			
Circulation (color)	Firculation (color) Abnormal skin color, such as cyanosis, pallor, or mottling			
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Is the child unresponsive with no breathing or only gasping?

If YES:

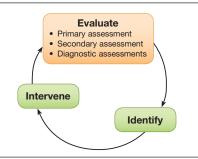
- · Shout for help.
- Activate emergency response as appropriate for setting.
- Begin lifesaving interventions as needed.

• Continue the evaluate-identify-intervene sequence.

Use the evaluate-identify-intervene sequence when caring for a seriously ill or injured child.

- Evaluate the child to gather information about the child's condition or status.
- · Identify any problem by type and severity.
- Intervene with appropriate actions to treat the problem.

Then repeat the sequence; this process is ongoing.



If at any time you identify a life-threatening problem, immediately begin appropriate interventions. Activate emergency response as indicated in your practice setting.

Evaluate

"Evaluate" consists of the primary assessment (ABCDE), secondary assessment, and diagnostic tests.

Primary Assessment

A rapid, hands-on ABCDE approach to evaluate respiratory, cardiac, and neurologic function; this step includes assessment of vital signs and pulse oximetry

Airway

Clear	Maintainable	Not maintainable
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Breathing

Respiratory Rate and Pattern	Respiratory Effort	Chest Expansion and Air Movement	Abnormal Lung and Airway Sounds	Oxygen Saturation by Pulse Oximetry
Normal	Normal	Normal	Stridor	Normal oxygen saturation
Irregular	Increased	Decreased	Snoring	(≥94%)
Fast	Nasal flaring	Unequal	Barking cough	Hypoxemia (<94%)
Slow	 Retractions 	Prolonged expiration	Hoarseness	
Apnea	Head bobbing		Grunting	
	 Seesaw respirations 		Gurgling	
	Inadequate		Wheezing	
	Apnea		Crackles	
	Weak cry or cough		Unequal	

Circulation

Heart Rate and Rhythm	Pu	Ises	Capillary Refill Time	Skin Color and Temperature	Blood Pressure
Normal	Central	Peripheral	Normal: ≤2 seconds	Pallor	Normal
Fast (tachycardia)	Normal	Normal	Delayed: >2 seconds	Mottling	Hypotensive
Slow (bradycardia)	Weak	Weak		Cyanosis	
	Absent	Absent		Warm skin	
				Cool skin	

Disability

	AVPU Pediatric Response Scale			Size to Light	Blood (Glucose	
A lert	Responds to V oice	Responds to Pain	Unresponsive	Normal	Abnormal	Normal	Low

Exposure

Temperature			S	kin
Normal	High	Low	Rash (eg, purpura)	Trauma (eg, injury, bleeding)

	Secondary Assessment	A focused medical history (SAMPLE) and a focused physical exam
	Diagnostic Tests	Laboratory, radiographic, and other advanced tests that help to identify the child's physiologic condition and diagnosis
ı	entify	Identify the child's problem as respiratory, circulatory, or both. Determine the type and severity of the problem(s). The table below lists common clinical signs that typically correlate with a specific type of problem and its severity.

	Severity			
Respiratory	Upper airway obstructionLower airway obstructionLung tissue diseaseDisordered control of breathing	Respiratory distress Respiratory failure		
Circulatory	 Hypovolemic shock Distributive (eg, septic, anaphylactic) shock Obstructive shock Cardiogenic shock 	Compensated shock Hypotensive shock		
Cardiac Arrest				

Respiratory		
Signs	Type of Problem	Severity
 Increased respiratory rate and effort (eg, retractions, nasal flaring) Decreased air movement 	Upper airway obstruction	Respiratory distress Some abnormal signs but no signs of respiratory failure
Stridor (typically inspiratory)Barking coughSnoring or gurglingHoarseness		Respiratory failure One or more of the following: Very rapid or inadequate respiratory rate Significant or inadequate respiratory effort
Increased respiratory rate and effort (eg, retractions, nasal flaring) Decreased air movement Prolonged expiration Wheezing	Lower airway obstruction	Low oxygen saturation despite high-flow oxygen Bradycardia (ominous) Cyanosis Decreased level of consciousness
Increased respiratory rate and effortDecreased air movementGruntingCrackles	Lung tissue disease	
 Irregular respiratory pattern Inadequate or irregular respiratory depth and effort Normal or decreased air movement Signs of upper airway obstruction (see above) 	Disordered control of breathing	

Normal or decreased air movement Signs of upper airway obstruction (see above)		
Circulatory		
 Tachycardia Weak peripheral pulses Delayed capillary refill time Changes in skin color (pallor, mottling, cyanos 	Cool skin Changes in level of consciousness Decreased urine output is)	Signs of poor perfusion
Signs	Type of Problem	Severity
Signs of poor perfusion (see above)	Hypovolemic shock Obstructive shock	Compensated shock • Signs of poor perfusion and normal blood
 Possible signs of poor perfusion (see above) or Warm, flushed skin with brisk capillary refill (warm shock) Peripheral pulses may be bounding Possible crackles Possible petechial or purpuric rash (septic shock) 	Distributive shock	pressure Hypotensive shock • Signs of poor perfusion and low blood pressure
Signs of poor perfusion (see above)Signs of heart failure	Cardiogenic shock	

Intervene

On the basis of your identification of the problem, intervene with appropriate actions. Your actions will be determined by your scope of practice and local protocol.