Tikrit University

College of Nursing

**Basic Nursing Sciences** 



Second Year - 2023-2024

**Adult Nursing** 

Head-to-Toe Assessment: Cardiovascular Assessment

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## Head-to-Toe Assessment: Cardiovascular Assessment

## safety considerations:

- Perform hand hygiene.
- Introduce yourself to patient.
- Confirm patient ID using two patient identifiers (e.g., name and date of birth).
- Explain process to patient.
- Be organized and systematic in your assessment.
- Use appropriate listening and questioning skills.
- Listen and attend to patient cues.
- Ensure patient's privacy and dignity.

## **Objective Data**

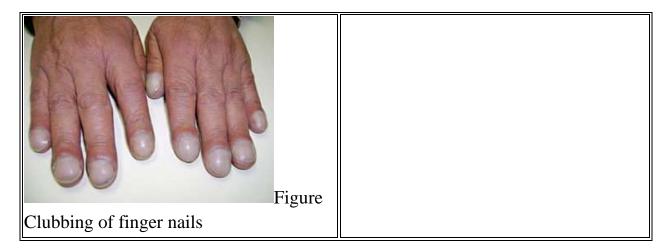
Consider the following observations.

Colour of Skin & Mucous Membranes	Cyanosis (a bluish Colour) may suggest inadequate oxygenation	
<b>Temperature</b> of Extremities	Hot skin may suggest fever and should be followed up with full vital signs, report to the primary prescriber, and investigation of any suspected sources of infection. Cold skin may suggest existing or new circulatory related issues.	
Blood Pressure, Heart Rate, SpO <sub>2</sub>	Baseline vital signs are important in any assessment. Vital signs should be compared to the patient's normal values. Patterns and trends outside of the normal range should be reported to the appropriate person.	

<section-header></section-header>	Press on the nail beds of toes and/orfingers until there is (whiteness).Release the pressure and count howmany seconds until the patient's fullcolour returns.• Brisk capillary refill: < (lessthan) 3 seconds• Delayed capillary refill: >(greater than) 3 secondsDelayed cap refill may suggestcardiovascular or respiratory	
APA C	dysfunction and should be followed-up with a focused assessment.	
Edema		
Figure Hand edema		
<b>Edema</b> Figure Hand edema	<ul> <li>Edema can be the result of many things, including:</li> <li>Inflammatory response from things like bee stings, or injury</li> <li>Altered venous return</li> <li>Diseases of the lymphatics</li> <li>Fluid shifts</li> <li>Side effects of some medications</li> <li>Circulatory overload</li> </ul>	

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Edema	Heart failure
Normal foot       Swollen foot         Pitting edema       Swollen foot         Output Out	It is important to ask the patient if is this normal for them. Observe limbs simultaneously in order to compare. Unilateral edema of the leg may suggest deep vein thrombosis (DVT). Edematous tissue has a high risk of skin breakdown. Implement strategies to maintain skin integrity.
Figure Foot and ankle edema	
Palpate Extremities to Quickly Assess Colour, Warmth, Movement, and Sensation (CWMS), Capillary Refill of Hands and Feet	<ul> <li>Colour and warmth provide information about perfusion.</li> <li>Movement provides a brief overview about musculoskeletal function of extremities, which is affected by circulation.</li> <li>Sensation: by asking if the client has numbness and/or tingling in extremities the nurse gets a brief overview of client baseline. Altered sensation may be the result of impaired neurological function or impaired perfusion.</li> <li>Palpate pulses for symmetry in quality,</li> </ul>
	rate, and rhythm. This provides

	information about perfusion.
	Asymmetry in relation to assessment findings may indicate a number of things including cardiovascular conditions, history of injury, or post surgical complications. Report concerns to the appropriate healthcare professional.
	Apical pulses are assessed using a
Auscultate: Apical Heart Rate for Rate and Rhythm	stethoscope placed over the 4th–5th
and fully data	intercostal space of the midclavicular line on the left side on adults. For accuracy, an apical heart rate should be taken for a full minute. Identify S1 and S2 and follow up on any unusual findings.
Clubbing of Nails	Clubbing of nails may suggest underlying cardio pulmonary dise



## Subjective Data

Ask about chest discomfort, pain, or pressure. All of these may be indicative of a larger cardiovascular issue. Reports of these must be followed up with a more detailed assessment and notification to the appropriate healthcare provider.

Rating of Edema				
Grade	Description	Depth of	Time to Return to	
		Indent	Normal	
+1	Slight pitting, no visible change in the	0–1/4 inch	Rapidly	
+1	shape of the extremity;	(< 6 mm)		
+2	No marked change in the shape of the	1/4-1/2"	10–15 seconds	
	extremity	(6–12 mm)		
+3	Noticeably deep pitting, swollen extremity	1/2–1"	1–2 minutes	
		(1–2.5 cm)	1–2 minutes	
+4	Very swollen, distorted extremity	> 1"	2–5 minutes	
		(>2.5 cm)	2–5 minutes	
Adapted from Brodovicz et al., 2009				