

**Beebe Healthcare
Margaret H. Rollins School of Nursing
N102 – Nursing Care of Adults
Chronic Kidney Disease
Class Preparation**

Identify three (3) body systems that are affected by Chronic Kidney Disease (CKD). List two (2) clinical manifestations with rationale for each body system identified. Insert information in the table below. Be prepared to share with your classmates.

	<u>Body System Affected:</u> Urinary system	<u>Body System Affected:</u> Respiratory system	<u>Body System Affected:</u> Cardiovascular system
<u>Clinical Manifestation with Rationale:</u>	Polyuria: results from inability to concentrate urine. Urine output could increase due to the tubules not being able to handle the filtrate load.	Kussmaul respirations occur due to the acidosis in the body. The body is trying to remove excess CO ₂ by increased exhalation. Dyspnea can occur due to fluid overload.	Heart failure: Kidneys remove wastes/water to make urine. If they're not working properly then fluid can back up causing fluid overload, which can result in heart failure.
<u>Clinical Manifestation with Rationale:</u>	Oliguria: Is small amounts of urine. The kidneys lose ability to regulate fluids and electrolytes and remove waste, which causes decreased urine output.	Dyspnea can occur due to fluid overload. Pressure in the blood vessels increase and that will push fluid into air spaces causing trouble breathing.	HTN: If vessels in kidneys are damaged, they are unable to do their job and remove the waste products, which again can cause extra fluid overload in the body causing the heart to work harder, causing hypertension.