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## creatinine

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**REVIEWED**

By Chris at 2:03 pm, Nov 20, 2020

## creatinine [kre-at'ĭ-nin]

a nitrogenous compound formed as the end product of [CREATINE](#) metabolism. It is formed in the muscle in relatively small amounts, passes into the blood and is excreted in the urine. A laboratory test for the creatinine level in the blood may be used as a measurement of kidney function (see creatinine CLEARANCE).

**creatinine clearance test** a test of renal function based on the rate of creatinine CLEARANCE.

Miller-Keane Encyclopedia and Dictionary of Medicine, Nursing, and Allied Health, Seventh Edition. © 2003 by Saunders, an imprint of Elsevier, Inc. All rights reserved.

## cre·at·i·nine (Cr), (krē-at'i-nēn, -nin), *Do not confuse this word with creatine.*

A component of urine and the final product of creatine catabolism; formed by the nonenzymatic dephosphorylative cyclization of phosphocreatine to form the internal anhydride of creatine.

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## creatinine (krē-ăt'n-ēn', -ĭn)

*n.*

A creatine anhydride, C<sub>4</sub>H<sub>7</sub>N<sub>3</sub>O, formed by the metabolism of creatine, that is found in muscle tissue and blood and normally excreted in the urine as a metabolic waste.

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**creatinine** Nephrology The end product of creatine metabolism, which is excreted into the urine; creatinine can be used to diagnose and monitor renal failure; creatinine may be measured in amniotic fluid to determine gestational age–fetal maturity index; normal ranges vary according to the lab. See [Creatinine clearance](#).

McGraw-Hill Concise Dictionary of Modern Medicine. © 2002 by The McGraw-Hill Companies, Inc.

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A component of urine and the final product of creatine catabolism; formed by the nonenzymatic dephosphorylative cyclization of phosphocreatine to form the internal anhydride of creatine.

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**creatinine** A breakdown product of the important nitrogenous metabolic substance **CREATINE**. Creatinine is a normal metabolic waste substance and is found in muscle and blood and excreted in the urine.

Collins Dictionary of Medicine © Robert M. Youngson 2004, 2005

**creatinine** the nitrogenous waste material of muscle creatine.

Collins Dictionary of Biology, 3rd ed. © W. G. Hale, V. A. Saunders, J. P. Margham 2005

## Creatinine

The metabolized by-product of creatine, an organic acid that assists the body in producing muscle contractions. Creatinine is found in the bloodstream and in muscle tissue. It is removed from the blood by the kidneys and excreted in the urine.

Mentioned in: [Acute Kidney Failure](#), [Enlarged Prostate](#), [Goodpasture's Syndrome](#), [Kidney Function Tests](#)

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