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Impact of Uric Acid on Renal Disease: A Review


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ABSTRACT: Uric acid is one of the nitrogenous waste material excreted from human body. It is the metabolic end product of purines. The purines are the constituents of DNA, RNA, ATP, GTP, Cyclic AMP, NADH & Coenzyme. Hyperuricemia is the condition where the serum uric acid levels are increased which may lead to endothelial dysfunction, tubular injury, intra-renal inflammation & oxidative stress. Hyperuricemia results from increased uric acid synthesis & decreased uric acid excretion. Studies show that there is a connectin between increased serum uric acid levels, CKD & Other complications like Hypertension, Cardiovascular disease & diabetes. Drugs used in lowering serum uric acid levels may be beneficial to reduce increased blood pressure & thus may prevents further complications of Hyperuricemia.

KEYWORDS : Chronic Kidney Disease, End stage renal disease, Uric acid.

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