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1 cai .	Retrospective Study: Association of Clycomic Status and
Abstract	Kidney Function Tests in type 2 Diabetic Patients
Abstract	Rackground
	Diabetes mellitus is a group of metabolic diseases characterized by
	hyperglycemia resulting from defects in insulin secretion, insulin action, or both.
	Diabetic nephropathy is the kidney disease that occurs as a result of diabetes.
	Nephropathy is the leading cause of chronic renal failure worldwide and is
	responsible for renal failure in about one third of patients who undergo dialysis.
	Many studies suggested that glycemic control is a significant modifiable risk
	factor in the pathology of kidney disease among individuals with diabetes, both in
	the presence and absence of other microvascular damage.
	<u>Aim of the study</u> : The aim of this retrospective study was to evaluate the association of glycemic
	status with kidney function tests in type 2 diabetic patients
	Patients and Methods:
	A retrospective cross-sectional study included (116) type 2 diabetic patients attended
	the Obesity Research and Therapy Unit (ORTU) at Al-kindy College of Medicine
	and the Endocrinology and Diabetes Center. Period of Data collection started from
	January until March of 2018. Previously diagnosed patients as type2 diabetic
	patients with reported values of FSG, A1C and kidney function tests were included
	in the study. Patients that previously diagnosed with renal failure or kidney diseases
	were excluded from the study. Blood tests from medical records included: FSG,
	AIC, serum creatinine, urea and uric acid. In adults, the most widely-used equations
	for estimating glomerular intration rate (eGFK) from serum creatinine are the Chronic Kidney Disease Enidemiology Collaboration (CKD EDI) equation
	Bosults :
	The national were divided into two groups according to A1C levels: group1 (A1C
	<7) and group? (A1C>7). It was found that the levels of FSG, A1C, eGFR and uric
	acid were significantly higher (P < 0.05) in patients of group2 (A1C >7) as
	compared to those of group 1 (A1C \leq 7). Group 2 patients had higher risk of chronic
	kidney diseases according to eGFR levels categories when compared to group1.
	Conclusion:
	The key finding of the present study: The study group patients were not diagnosed
	previously to have kidney disease. However according to the eGFR categories; some
	of these patients were at higher risk of chronic kidney disease that categorized by
	A1C level as group 2.

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