

6th International Conference on

DIABETES AND ENDOCRINOLOGY

December 05-07, 2016 Dallas, USA

Prevalence of diabetes among patients with chronic kidney disease in Hail region

Meshari Sultan Alsudayri, Saleh Mofleh Alshammari, Fouad Taiwilaa Alshammari, Jaber Hathloul Alshammari and Abdulhafiz Bashir
University of Hail, KSA

Background: Diabetes is associated with increasing prevalence of chronic kidney disease (CKD) and progression of the disease. Therefore, objective of this study was to estimate the prevalence of diabetes among patients with CKD in Hail, Kingdom of Saudi Arabia (KSA).

Methodology: This is a cross-sectional study carried in the nephrology outpatient's clinic in King Khalid Hospital. A total of 200 patients known to have CKD were included in the study.

Results: The overall prevalence of diabetes in patients with CKD was 69% among them 73.9% with retinopathy, Diabetes and female gender are associated with more advanced stage of CKD ($p < 0.05$), mean average of eGFR was significantly lower in patients with diabetes ($P < 0.05$), eGFR correlates inversely with HbA1c ($P < 0.05$), The mean time of onset of CKD in diabetic patients after the diagnosis of diabetes is 11.7 ± 0.67 ($p < 0.05$), females were 98 (49%) and males were 102 (51%), the mean age of the females was significantly lower than the males ($P < 0.05$), diabetic females the mean time of onset of CKD after the diagnosis of diabetes is significantly lower than in males ($p < 0.05$), Association of diabetes and hypertension in patients with CKD 87.7% were hypertensive among them 72.6% were diabetic ($P < 0.05$)

Conclusion: The role of diabetes as a risk factor for CKD and ESRD is higher than it has been estimated in previous studies; females are higher risk of CKD and eventually ESRD than males.

Biography

Meshari Sultan Turki Alsudayri is a medical student at university of Hail, KSA. He is interested in researches about common diseases on the world. He is also a Volunteer campaign for measurement of blood pressure and sugar of the blood for the community.

Saleh Moflehs Alghaythi is a medical student at university of Hail. He have participated in a lot of medical researches and health campaigns He is an active member of the medical Club in his college. He is also a member in Saudi Heart Association.

Fouad Taiwilaa Alkaithi Alshammari is a medical student in university of Hail. He is interested in researches about common diseases on the world He is member in the medical club of university of hail. He is also member in Saudi Society for Diabetes.

JaberHathloul M AL-Shammari is a medical student at university of Hail, KSA. He will do best to provide his country with good health education and services. He is Volunteer campaign for measurement of blood pressure and sugar of the blood for the community.

mshary-12@hotmail.com

Notes: