

4th International Conference on

HEPATOLOGY

April 27-28, 2017 Dubai, UAE

Impact of socio-economic status on the prevalence of complications in type II diabetic patients in SCU hospitals**Afnan Mahmoud**

Suez Canal University, Egypt

Background: Type II diabetes occurs when the body doesn't produce enough insulin to function properly, or the body's cells do not react to insulin, resulting in high blood glucose levels. Complications of type 2 diabetes include; cardiovascular diseases, cerebrovascular diseases, nephropathy, neuropathy, retinopathy, foot problems, sexual dysfunction, pregnancy complications, and mental health affection. Low socio-economic status (SES) may adversely affect patients' understanding of the importance of adhering to diabetes management plan, which can be a complex strategy.

Aim: This study aims to assess the impact of socio-economic status on the prevalence of complications in type II diabetes in order to improve quality of life of diabetic patients.

Methods: A cross-sectional study is used, with a sample size of 150 diabetic patients. A p-value of <0.01 has been considered as statistically significant.

Results: Out of 150 patient questioned, 73(48.7%) were low SES, 47(31.3) were moderate SES, and 30(20%) were high SES. Eight patients had overt nephropathy, 6 (75%) were of low SES, 1 (12.5%) was of moderate SES, and 1 (12.5%) was of high SES. Twelve patients reported having MI, 6 (50%) were of low SES, 3 (25%) were of moderate SES, and 3 (25%) were of high SES. Two patients reported having above knee amputation, none was of low SES, 1 (50%) of moderate SES, and 1 (50%) of high SES.

Conclusion: The survey revealed that cardiovascular complications, renal complications, ocular complications, lower extremity arterial disease, increased body mass index, and depression, were all higher among low SES group. Thus, there is an observable association between low socioeconomic status and complications of type II diabetes.

Biography

Afnan Mahmoud is a 6th year Medical Student at Suez Canal University. She participated in several researches starting from her 1st year of college about infection control methods, pediatric diarrhea, pancreatic diseases and laboratory services in health care units. She is also a volunteer at a charity providing healthcare services.

afnan.abdelhalim@gmail.com

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