

Prevalence of hypogonadism and its relation with glycemic control, body mass index in type 2 diabetes mellitus

Abhishek Srivastava

Royal college of physician, United Kingdom

Abstract:

Background and aims: There is an increased prevalence of hypogonadism in men with type 2 diabetes mellitus. The objective of this study was to estimate prevalence of hypogonadism in adult patients with type 2 diabetes mellitus and examine relation of glycosylated haemoglobin, and body mass index with hypogonadism in these patients.

Material and methods: In this cross sectional study, 50 adult male patients (30-60 years of age) with type 2 diabetes were included.. Patients were divided into two groups; those with hypogonadism and without hypogonadism. Level of glycosylated hemoglobin between two groups was compared. Similarly, comparison of BMI was done between two.

Results: The mean (+SD) age of the patients in the study was 45.98 (+7.93) years. The mean (+SD) HBA1C of total study population was 8.31 (+1.70)% and mean testosterone was 399.64 (+158.36) ng/dl respectively. The mean (+SD) level of HBA1C in patients with hypogonadism was 8.89 (+1.84)% and with normal total testosterone level the mean (+SD) level of HBA1C was 7.84 (+1.86)%. The difference in mean glycosylated hemoglobin between two groups was not statistically significant. The mean (+SD) body mass index of patients with hypogonadism was 26.35 (+1.87) kg/m² and without hypogonadism was 26.09 (+2.53). There was no significant difference in the BMI of both groups.

Conclusion: Patients with type 2 diabetes mellitus showed high prevalence of hypogonadism. Level of glycosylated hemoglobin was not significantly high in patients with hypogonadism.

Biography:

Dr. Abhishek Srivastava is an consultant endocrinologist working in R & R diabetes and thyroid care Centre. He completed his masters in endocrinology at University of south wales at 2018.



[18th Global Conference on Diabetes, Endocrinology and Primary Healthcare](#) August 21-22, 2020- Webinar.

Abstract Citation:

Abhishek Srivastava, Prevalence of hypogonadism and its relation with glycemic control, body mass index in type 2 diabetes mellitus, Global Diabetes 2020, 18th Global Conference on Diabetes, Endocrinology and Primary Healthcare, August 21-22, 2020, Webinar.

(<https://diabetes.healthconferences.org/abstract/2020/prevalence-of-hypogonadism-and-its-relation-with-glycemic-control-body-mass-index-in-type-2-diabetes-mellitus>).

