

### عنوان مقاله:

Correlation between Cytochrome P۴۵•, Δ-alpha Reductase, and Androgen Receptor Levels in Patients with Type Y Diabetes Mellitus

## محل انتشار:

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#### خلاصه مقاله:

Objective: Type Y diabetes mellitus (TYDM) is one of the most common chronic diseases. The CYPFΔ• plays an important role in the biosynthesis of steroid hormones and the hormonal activity is mediated by the androgen receptor (AR) and the enzyme Δ-alpha reductase (ΔαR). Therefore, this study aimed to investigate the relationship between these factors in TYDM. Materials and Methods: This case-control study was performed with F• volunteers, including Ψ• diabetics and Ψ• healthy individuals. Demographic information of individuals was recorded and levels of CYPFΔ•, ΔαR, and AR were measured in serum by ELISA. Data were analyzed by SPSS v.ΥF version and the significance level was less than Δ%. Results: There were no significant difference between diabetics and healthy individuals in gender (P= 1), body mass index (P= •.194), diastolic pressure(P= •.FFF), uric acid(P= •.Y•Y), creatinine(P= •.FYY), low-density lipoprotein (P= •.ΔΥΥ), high-density lipoprotein(P=•.F9Y); But there was a significant difference in systolic pressure(P= •.•ΨF), triglyceride(P= •.••), and insulin(P= •.••Ψ), between diabetics and healthy individuals. The distribution of CYPFΔ•, ΔαR and AR in two groups shows that the level of all three factors is higher in diabetic people (P= •.•••).

Also, glycosylated hemoglobin and insulin have a direct relationship with CYPFΔ•, (P= •.•••), R=•.F9F; P= •.•FF, R=•.F9F, R=•

# كلمات كليدى:

Diabetes mellitus, Cytochrome P۴۵°, Δ-alpha reductase, Androgen receptor

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