

## ASYMPTOMATIC HYPOURICEMIA: A CLINICAL CASE

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### ABSTRACT

Hypouricemia is a sporadic problem in medicine and is mentioned for relationship to some clinical disorders. Here, the authors report a case of hypouricemia in asymptomatic patient. The positive findings in this patient are high fasting blood glucose and LDL-cholesterol.

**KEYWORD:** Hypouricemia, Blood, Diabetes.

### INTRODUCTION

Hypouricemia is a sporadic problem in medicine and is mentioned for relationship to some clinical disorders. Here, the authors report a case of hypouricemia in asymptomatic patient. The positive findings in this patient are high fasting blood glucose and LDL-cholesterol.

### CASE REPORT

The patient is a 53 years old female patient who had routine blood check up. Her blood test showed hypouricemia (serum uric acid = 2 mg/dL; reference 2.4 – 5.7 mg/dL). The other blood tests are within normal limit except for high blood glucose (143 mg/dL) and LDL-cholesterol (103 mg/dL). Her hemoglobin A1C = 5.8 % and there is no microalbuminuria. Her renal function test is within normal limit. All blood tests are performed at accredited certified clinical laboratory in a tertiary medical center.

### DISCUSSION

Hypouricemia is a sporadic finding in clinical practice. In male population, it is reported for relationship to renal disorder [1-2]. However, in female population, this problem is little mentioned. The present case is an interesting accidental finding of asymptomatic hypouricemia

in a female. The patient has normal renal function and there is no other abnormalities except for slightly high fasting blood glucose and LDL-cholesterol. In fact, diabetes is an important clinical metabolic problem that is mentioned for relationship to hypouricemia [3].

**CONFLICT OF INTEREST:** None

### REFERENCES

- [1]. Kuwabara M, Niwa K, Ohtahara A, Hamada T, Hisatome I. Prevalence and complications of hypouricemia in a general population: A large-scale cross-sectional study in Japan. *PLoS One*. 2017 Apr 27; 12(4): e0176055.
- [2]. Wakasugi M, Kazama JJ, Narita I, Konta T, Fujimoto S, Iseki K, Moriyama T, Yamagata K, Tsuruya K, Asahi K, Association between hypouricemia and reduced kidney function: a cross-sectional population-based study in Japan. *Am J Nephrol*. 2015; 41(2): 138-46.
- [3]. Son CN, Kim JM, Kim SH, Cho SK, Choi CB, Sung YK, Kim TH, Bae SC, Yoo DH, Jun JB. Prevalence and possible causes of hypouricemia at a tertiary care hospital. *Korean J Intern Med*. 2016 Sep; 31(5): 971-6.

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