Uric acid in trigeminal neuralgia

From January 2017 to September 2018, medical records from the newly diagnosed patients with trigeminal neuralgia (TN) at the Xinhua Hospital were retrospectively recruited and analyzed. The serum URIC, creatinine, blood urea nitrogen, and albumin levels between TN patients and normal subjects were compared through the nonparametric tests. Moreover, the relationship of URIC levels with TN was assessed using the multiple linear regression models.

Compared with normal subjects (325.7 ± 74.3 μmol/L), URIC contents were remarkably decreased in TN patients (270.2 ± 75.9 μmol/L) ($P < 0.05$). Besides, URIC was regarded as a protective factor of TN, as verified by multivariate logistic regression models (odds ratio = 0.2, 95% confidence interval = 0.0-0.6; $P < 0.05$).

Low URIC content is associated with the risk of incidence of TN, and appropriately increasing the URIC level may prevent TN [1].

1)
Chang B, Guan H, Zhu W, Li S. Low Uric Acid Indicates Risk of Incidence of Trigeminal Neuralgia. J Craniofac Surg. 2019 Mar 27. doi: 10.1097/SCS.0000000000005497. [Epub ahead of print] PubMed PMID: 30939556.

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