Kynurenic Acid (KYNA) and Quinolinic Acid (QUIN) (2,3-pyridinedicaroxylic acid)

The most common causes of elevated kynurenic acid are the use of tryptophan supplements. Other causes may include vitamin B6 deficiency and high homocysteine concentrations. Increased homocysteine level can also cause heart diseases and sudden heart attack. Kynurenic acid levels are also important as a biomarker of chronic infection in the body. Increased kynurenic acid levels have been associated with Alzheimer's, Parkinson's and Huntington's diseases. The normal level of kynurenic acid is 0- 7.1 mmol/mol creatine.

One of the most important neuroactive intermediates of the kynurenine pathway is quinolinic acid (2,3-pyridinedicaroxylic acid). There is accumulating evidence that quinolinic acid is involved in neurotoxicity associated with several inflammatory brain diseases such as Alzheimer's, HIV-related neurocognitive disorders, Parkinson's disease, motor neuron disease, Huntington's disease, Multiple Sclerosis, and major psychiatric disorders. The normal level of quinolinic acid is 0- 5.8 mcg/mg creatinine.

metin, ekran görüntüsü, yazı tipi, çizgi içeren bir resim

Açıklama otomatik olarak oluşturuldu

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