

Psychiatrische und psychosomatisch auffällige Patienten, Borrelien, andere Infektionserreger; Gene, Umwelt, Immunsystem
Psychiatric and psychosomatic conspicuous patients, Borrelia, other infectious agents; Genes, Environment, immune system

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"Kynurenic acid is a tryptophan metabolite that is synthesized and released in the brain by astrocytes and acts as an antagonist of nicotinic acetylcholine receptors and N-methyl-d-aspartate glutamate receptors, both of which are critically involved in cognition as well as neural plasticity and brain development. The concentration of kynurenic acid is increased in the brains of persons with schizophrenia and this increase has been implicated in the cognitive and social impairments associated with the disease. In addition, growing evidence suggests that the increase in kynurenic acid may begin early in life. For example, exposure to influenza A virus during development results in a transient increase in kynurenic acid concentration that could disrupt normal brain development and lead to cognitive deficits later in life. Changes in kynurenic acid may thus provide a link between developmental exposure to viruses and the increased risk of subsequently developing schizophrenia."

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- **Neuropsychiatric Lyme Disease Online Resources:**
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Bakterien andere, bacteria others

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Virusarten, virusses

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Neurocysticercosis, nematodes, filariae

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Protozoen, protozoa

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Fungi

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Eiweiss, proteins

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