

Myoclonus

Myoclonus ([tonic-clonic muscle spasms](#)) (can be epileptic or non-epileptic)

Myoclonus refers to a quick, involuntary muscle jerk. Hiccups are a form of myoclonus, as are the sudden jerks, or "sleep starts," you may feel just before falling asleep. These forms of myoclonus occur in healthy people and rarely present a problem.

May be present in [hypoxic coma](#).

[Asterixis](#), [tremor](#), myoclonus may be present in [metabolic coma](#).

Myoclonus is usually more prominent early in toxic/metabolic disorders than in [CJD](#), and [seizures](#) in CJD are usually late ¹⁾.

In [Tuberous sclerosis complex](#), [infantile myoclonus](#) may also occur. In older children or adults, the myoclonus is often replaced by generalized tonic-clonic or partial complex seizures, which occur in 70–80%. Facial adenomas are not present at birth but appear in > 90% by age 4 yrs (these are not really adenomas of the sebaceous glands, but are small hamartomas of cutaneous nerve elements that are yellowish-brown and glistening and tend to arise in a butterfly malar distribution, usually sparing the upper lip).

see [Myoclonus dystonia syndrome](#).

Treatment

[Perampanel](#) with [baclofen](#) may be effective for [myoclonus](#) due to respiratory reflex disinhibition and can be used to treat [hiccups](#) derived from [cerebral infarctions](#) ²⁾.

¹⁾

Johnson RT, Gibbs CJ. Creutzfeldt-Jakob Disease and Related Transmissible Spongiform Encephalopathies. N Engl J Med. 1998; 339:1994– 2004

²⁾

Morita K, Nuki Y, Hashizume H, Togo M. Persistent [Hiccups](#) Induced by [Supratentorial Infarcts](#) and Successful Treatments With Combination of [Perampanel](#) and [Baclofen](#): A Case Report. Clin Neuropharmacol. 2022 Aug 4. doi: 10.1097/WNF.0000000000000514. Epub ahead of print. PMID: 35947416.

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