

Trigeminal nerve-related pathology

The [trigeminal nerve](#) (TGN) is the largest [cranial nerve](#) and can be involved in multiple inflammatory, compressive, ischemic, or other pathologies.

Trigeminal neuralgia

see [Trigeminal neuralgia](#).

Postherpetic neuralgia

[Postherpetic neuralgia](#) in 20% of cases involves the trigeminal nerve (with a predilection for the ophthalmic division, called [herpes zoster ophthalmicus](#)).

Trigeminal trophic syndrome

[Trigeminal trophic syndrome](#)

Trigeminal neuropathy

see [Trigeminal neuropathy](#).

Superior orbital fissure syndrome

Lesions in the cavernous sinus involve cranial nerves III, IV, VI, and [V1](#) & [V2](#) (ophthalmic and maxillary divisions of the trigeminal nerve), and spare II and V3.

[Superior orbital fissure syndrome](#): dysfunction of nerves III, IV, VI and V1.

Orbital apex syndrome

[Orbital apex syndrome](#): involves II, III, IV, VI and partial V1.

Raeder's paratrigeminal neuralgia

[Raeder's paratrigeminal neuralgia](#).

Sturge-Weber syndrome

In [Sturge-Weber syndrome](#): Ipsilateral port-wine facial nevus (nevus flammeus) usually in the distribution of 1st division of trigeminal nerve (forehead and/or eyelid) (rarely bilateral): not always present, alternatively sometimes in V2 or V3 regions ¹⁾.

Postoperative trigeminal nerve symptoms occur transiently in 22% and permanently in 11% following microsurgery, similar to the results of SRS ²⁾.

[Basilar impression](#): trigeminal nerve anesthesia.

In [vestibular schwannoma](#) or [cerebellopontine angle meningioma](#), trigeminal nerve involvement may occur with tumors > 3 cm (check [corneal reflex](#)), with [tic douloureux](#)-like symptoms being unusual.

Osteopetrosis

Trigeminal trophic syndrome

¹⁾
Bachur CD, Comi AM. Sturge-Weber syndrome. Curr Treat Options Neurol. 2013; 15:607-617

²⁾
Pollock BE, Lunsford LD, Kondziolka D, et al. Outcome Analysis of Acoustic Neuroma Management: A Comparison of Microsurgery and Stereotactic Radiosurgery. Neurosurgery. 1995; 36: 215-229

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