

CYBERKNIFE TARGET:

TRIGEMINAL NEURALGIA



CYBERKNIFE® CENTER
OF CHICAGO

Revolutionizing treatment. Restoring hope. Improving lives.

CyberKnife Radiosurgery for the Treatment of Trigeminal Neuralgia

Providing relief to patients with this rare functional disorder

Trigeminal neuralgia (TN) is a rare but excruciatingly painful disorder that affects about one in 15,000 people. TN patients suffer episodes of stabbing, electric shock-like pain in the eyes, lips, nose, scalp, forehead and jaw. The pain originates from the trigeminal (fifth cranial) nerve responsible for providing sensation to the face.

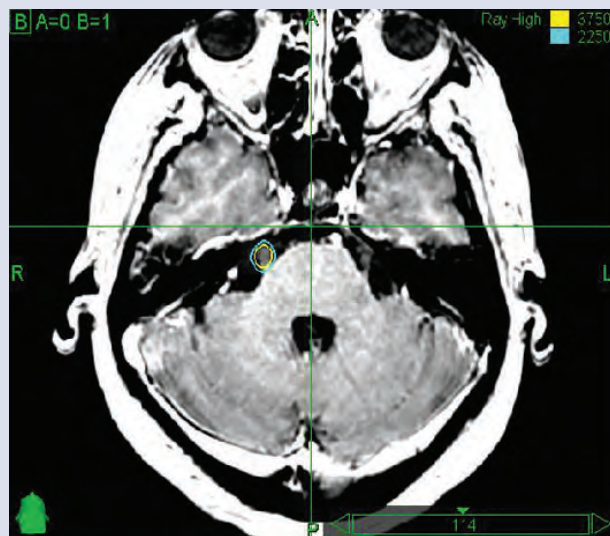
Because pain is often first experienced along the jaw, TN is frequently mistaken as a dental problem. Only after exhausting all options with a dentist and finding that the pain persists do many TN patients realize the problem is not dental related.

The most common cause of TN is thought to be compression of the nerve root by a blood vessel. Other causes include pressure of a tumor on the nerve or multiple sclerosis, which damages the nerve. TN usually develops after the age of 50 and is more common in females.

CyberKnife® can be particularly effective when treating TN, and many sufferers have reported immediate relief after completing treatment. CyberKnife delivers precisely targeted radiation to the trigeminal nerve root in one convenient treatment. As a result of radiosurgery, the nerve

interrupts the transmission of pain signals to the brain.

CyberKnife treatment is completely noninvasive, painless and requires no anesthesia or recovery time. Patients are typically able to resume normal activities immediately.



The sub-millimeter accuracy of the CyberKnife ensures protection of surrounding critical structures.

CyberKnife Benefits for Trigeminal Neuralgia:

- Treatment delivered in one outpatient visit
- No anesthesia
- No recovery time
- Completely non-invasive
- TN patients frequently experience pain relief very soon after treatment (sometimes immediately)
- Extreme precision of the CyberKnife (sub-millimeter accuracy) ensures protection of the brain stem



*Top Row: Dr. Andy W. Su, Dr. Joy Coleman
Bottom Row: Dr. Alex Phillips, Dr. Dean Conterato*

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The team at CyberKnife Center of Chicago



CyberKnife Center of Chicago is a service of Elmhurst Memorial Hospital.