

Suicide Disease (TN)

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Abstract

Trigeminal neuralgia also called Suicide disease is such a disease which affects lots of lives with its excruciating pain which is felt in the division's of one more branches of trigeminal nerve. These pain is known as worst pain a person can suffer which leads to development of psychiatric disorders and that often leads to suicide. It is believed that more than 50% of sufferers have committed suicide. There are treatment available for these disease for pain relief. The highest pain relief treatment is achieved by a surgical procedure known as MVD which relief pain upto 15 years. But no such treatment plan are there which completely cure such disease. I worked and studied these disease for a long time and I invented and designed an implant and wrote an hypothesis which I believe can cure this incurable Suicide disease. I have added some part of my hypothesis in Author's note at last. I believe people must fight these disease positively and defeat such worst disease with a strong will in themselves.

Keywords: Excruciating pain; Microvascular decompression (MVD); Hypothesis.

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Introduction

Suicide in simple terms can be defined as taking own life voluntarily with an intention. It have been found that majority of those who commits suicide always had psychiatric diagnosis at the time of death. The simplest way to conceptualize psychiatric disorder is disturbance of CCA, i.e. Cognition, Conation, and Affect or any disequilibrium between three.⁶ Suicide disorder as the name suggests a disease which leads to suicide that is a condition known as trigeminal neuralgia which is characterized by excruciating pain in

distribution of one or more branches of fifth CN a condition where pain becomes unbearable and patients become prone to develop psychiatric disorder which often leads to commit suicide. These pain is known as the world's worst pain a person can suffer. It is believed that more than 50% of sufferers have committed suicide.

Methodologies

Suicide diseases are treated with medication initially. The medication which are used mostly to

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treat Suicide disease are as followed.⁵

- Carbamazepine (Drug of Choice)
- Baclofen
- Gabapentin
- Oxcarbazepine
- Lamotrigine

The initial treatment usually begins with Carbamazepine which often provide relief of symptoms. But unfortunately the relief provided by Carbamazepine or other drugs which are used for treatment may decrease over time. Side effects such as hyponatremia are seen which may necessitate discontinuation of medication.¹

So patients eventually requires operative procedures for long term pain relief. Surgical procedures which are used for the treatment for TN are of two categories:

1. Major Surgery
2. Minor Surgery

Major Surgery

These surgical procedures is done under GA and they are carried out on the back of skull specifically at the mastoid region.

These are the following procedures:

- Microvascular decompression surgery
- Rhizotomy
- Radiosurgery

Minor Surgery

These surgery is a non invasive surgical procedures, where an instrument is allowed to pass inside the skull under X-Ray to enter ganglion. These is done under short anaesthetics.

The non invasive surgery are as followed:

- Glycerol injection
- Balloon compression
- Radio-frequency thermocoagulation

Out of all surgical procedures MVD has the highest pain relief period of 12–15 years or more. Dr Peter Janetta in 1967 have proposed these surgical procedures and reported and published in 'The New England Journal of Medicine' about his success. The initial success rate was 82% for complete pain relief. But major complications were also reported such as facial paralysis and leakage of spinal fluid.

Discussion

According to International Headache Society, suicide disease is painful unilateral affliction of face characterized by brief electric shock limited to divisions of one or more branches of trigeminal nerve.³ From my perspective in simple terms, Suicide disease or Trigeminal neuralgia is a chronic conditions characterized by sudden attack of pain lasting from few hours to several days which is confined to distribution of one or more divisions of trigeminal nerve.

Trigeminal neuralgia can be classified as:

1. Typical Trigeminal neuralgia (TN1)
2. Atypical Trigeminal neuralgia (TN2)

Etiology

TN is a condition which mainly arises from blood vessels typically Superior Cerebellar artery which compress the trigeminal nerve when it exits the brain stem. These compression cause damage to protective covering present around the myelin sheath. These injury to myelin sheath are known to cause such chronic conditions of suffering. The excruciating pain which becomes intolerable to patients. After suffering such chronic conditions patient starts developing psychiatric disorders which often results in long term depression, anxiety followed by sleep disorders.⁴ At further stages suicide ideation is developed in patients.

Blood vessels compress the Vth C.N



Compression damages the myelin sheath



These injury results in development of Trigeminal neuralgia



Excruciating pain becomes unbearable



Patients starts developing psychiatric disorders



Suffering from such chronic conditions results in followings:-

- Depression
- Anxiety
- Sleep disorders



Suicide ideation is developed in patients

Suicide disease may also arise from results of surgeries such as craniofacial surgery, sinus surgery or even oral surgery.

These disorders have been seen affected more in women than men. In some cases it have been found that even simple exposure to wind have stimulated these disease.

Conclusion

I am adding some glimpse of my hypothesis to the context. I recently worked on these incurable Suicide disease and found an excellent cure to these disease. I believe if my hypothesis works, then a permanent pain relief treatment would be achieved. I have invented and designed a surgical implant which would not only cure TN but also might be a treatment procedures for many neuropathic disease.

I am working on these implant and making it more advanced and biocompatible so that no complications can arise from my hypothesis. I am giving my best to make these surgical procedures cheaper than all other surgeries so that everyone can afford these treatment in any part of the nation across the globe. My work would be an achievement that day when it would create a smile in worst pained condition of the face. Suicide disease would be atlas overcome by a beautiful smile. People would get the courage to fight these disease positively and get a permanent cure for pain relief.

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