

A Case Study on a Patient of Suicide Disease

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Abstract

Suicide disease also known by the name of Trigeminal neuralgia, Tic Doloureux, Fothergill disease. This is such a worse type of condition where it is characterized by sudden attack of pain lasting from few hours to several days and confined to distribution of one or more divisions of the trigeminal nerve. A case report was taken and reported on the basis of patients condition of Trigeminal neuralgia. An analysis is recorded on this article about the aetiology and treatment there are seven surgical procedures and medications which are mentioned in the discussion part.

Keywords: Tic Doloureux, Fothergill disease.

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Introduction

Suicide disease as the name suggest a disease which is characterized by excruciating pain in the distribution of one or more branches of 5th cranial nerve, condition where pain becomes intolerable and patient becomes prone to develop psychiatric disorder which often leads to suicide. According to International headache society, TN is defined as painful unilateral affliction of face characterized by brief electric shock limited to divisions of one or more branches of trigeminal nerve.¹ This pain is known as world's worst pain a person can suffer and it is also believed that more than 50% of people have committed suicide after suffering from such chronic conditions.

Case Report

The following case describes a 55-year-old woman who came with severe pain on left side of her face, in mandibular division of Trigeminal nerve. Her statement was stabbing pain was felt on her left cheeks. Electric shock pain was also radiating and the pain was stimulated with biting and chewing undergoing masticatory forces. She is only working lady and this condition is disrupting her daily activities.

Then full dental examination was done. Cavity were filled and restorations are also performed. But no significant improvements were observed. Analgesics such as Ibuprofen was prescribed as initial treatment by junior physician which did not show any significant improvements.

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Patient was referred to neurologist where upon closer examination, trigger zones were observed on left area of nose, left upper lip and lower chin area.

There is no family history of genetic illness and any other neurological problems. Patient doesn't smoke or drink. She didn't undergo any surgeries in the area of head and neck. Reflex were also normal throughout and toes were going down. Blood pressure was absolutely normal.

A sense of palpation was felt around left lower part of jaw which caused slight acute pain. In primary investigation infraorbital and mental nerve block was given. The brief stabbing pain appear to be relieved which confirm the primary diagnosis of suicide disease. Final diagnosis was made from MRI scan with contrast which revealed a close association of superior cerebellar artery and trigeminal nerve on left part of patients face.

Thus case was concluded with diagnosis of Trigeminal neuralgia after brief investigation. Then medication was given as first line of treatment because of its low cost, doesn't require any invention and has good effective rate.

Discussion

Suicide disease which affects lots of life arises from compression due to multiple sclerosis or a tumour. Compression is created by superior cerebellar artery which offends 5th cranial nerve. This compression leads to demyelination and further development of Trigeminal neuralgia. Stabbing pain become so intolerable for the patient that they start developing psychiatric disorders this often leads to suicide ideation in patients. This pain is even stimulated by simple exposure of wind. Women gets more affected with this disease than men.

In treatment there are medication and surgical procedures available. Initially suicide disease are

treated with medication under followed.²

- Carbamazepine (Drug of Choice)
- Baclofen
- Phenytoin
- Gabapentin

In surgical procedures there are seven surgery which are performed to relief period of episodes of pain for longer duration more than medication. Out of all surgical procedures microvascular decompression surgery has the highest pain relief period up to 12 to 15 years. This surgery aims at separation of superior cerebellar artery from trigeminal nerve with the use of Teflon sponge.³ This procedure was proposed by Dr Peter Janetta in 1968.

Conclusion

Suicide disease is one of the world's most pain condition one can suffer. But there are treatments available which can relieve pain for longer period of time. We are also on a deep research for proper treatment of this condition. Patient of suicide disease must fight this disease with positive attitude and a good will. Suicide is not the single option of covering these pain, instead one must fight this battle against such disease and atlas victory would fetch happiness and prosperity in life.

References

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