



Microvascular Decompression VS Gamma Knife Surgery for the Surgical Management of Trigeminal Neuralgia

Dr Ammar Rahman

Liverpool Dental Hospital, Pembroke Place, Liverpool L3 5PS, United Kingdom

ABSTRACT: Trigeminal neuralgia (TN) is a chronic facial pain syndrome, characterised by severe, stabbing pain felt in one or more divisions of trigeminal nerve innervation areas. TN pain is so excruciating that it heavily impacts a patient's quality of life. Most cases can be controlled using anti-convulsive medications, however some patients do not respond to medication or have adverse effects, at which point surgery is considered. Many different surgical procedures are available for TN, however Microvascular Decompression (MVD) and Gamma Knife Surgery (GKS) are amongst the most widely used. This appraisal seeks to determine whether MVD is more successful than GKS in treating TN. Medline Embase and The Cochrane Database of Systematic Reviews were searched, as well as executing a hand search of Google, for relevant studies comparing pain relief, pain recurrence and complications of MVD & GKS. Studies must have been published in the last 5 years, must have measured pain using the Barrow Neurological Institute (BNI) pain scale and patient follow-up must have been at least one-year post-surgery. This resulted in 2 studies meeting the inclusion criteria, which were then selected for appraisal



Biography : Dr Ammar Rahman graduated from The University of Manchester Dental School in 2019 achieving the highest award for Clinical Excellence in Dentistry. He subsequently went on to work in a prestigious general practice in the North West of England providing all aspects of dentistry. After sitting the SJT exam and ranking highly, he currently works as a Dental Core Trainee at the Liverpool Dental Hospital, UK. Ammar is also completing his PgCert in Dental Education.

Publication: 1. Carnosine Exhibits Significant Antiviral Activity Against Dengue and Zika Virus
2. Novel Peptides Inhibit Zika NS2B-NS3 Serine Protease and Virus Replication in Human Hepatic Cell Line
3. Synthetic peptide optimization improves the inhibition of dengue NS2B-NS3 protease and dengue replication in vitro
4. Identification of Peptide Leads to Inhibit Hepatitis C Virus: Inhibitory Effect of Plectasin Peptide Against Hepatitis C Serine Protease
5. Protegrin-1 Inhibits Dengue NS2B-NS3 Serine Protease and Viral Replication in MK2 Cells

International Conference on Oral and Dental Medicine, Bangkok, Thailand, November 09-10, 2020

Abstract Citation : [Dr Ammar Rahman, Microvascular Decompression VS Gamma Knife Surgery for the Surgical Management of Trigeminal Neuralgia, ORAL CARE ASIA-2020, Bangkok, Thailand, November 09-](#)