

DIFFICULT TO EXPLAIN DENTAL NEUROLOGICAL ISSUES: DO WE HAVE ANY ANSWER?

S.C. Narula¹, K. Bala²

¹*Govt Dental College, Rohtak, Haryana, India*

²*Institute of Human Behaviour and Allied Sciences, Delhi, India*

scnarula@gmail.com

1. During development of tooth the size of tooth bud increases and takes its shape as destined but no pressure sensation is felt .As soon as tooth reaches near the oral mucosa Teething sensation is felt by the infants.How and why the pressure sensation is missing in the intraosseous stage of tooth development? The developing tooth erupts and stops at the predestined level of occlusal plane even in the absence of opposing tooth
2. The sensitivity level of Proprioception in Periodontal ligament,Temporo-mandibular joint, masticatory muscles is so high that it can detect slight separation of jaws due to presence of few micron thickbutter layer, on the contrary there is a process of mechanical wear down (attrition)of sound tooth structure in Bruxism .
3. Neurons & Nerves are sensitive to Oxygen concentration, cannot tolerate anaerobic condition for prolonged time but the nerve endings in Dental Pulp remain viable even after partial necrosis of dental pulp in Molars creating g problem in vitality testing of Dental pulp.
4. There is cross innervation of mental nerve but Trigeminal neuralgic pain of mandibular division and acute pulpitis never crosses midline. The root of deciduous maxillary molars is resorbed almost completely due to eruptive force of succedenous maxillary premolar, no pain no tactile sensation, no hypersensitivity no pulpitis is seen in vital pulp.