

Neuropathic Orofacial Pain Module

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| Module Title | Neuropathic Orofacial Pain |
| Module Number | 1 |
| Module ECTS | 10 |
| Module Code | TBC |
| Module Delivery | 12 weeks |
| Module Coordinator | Dr. Dermot Canavan |
| Teaching Staff | <p>Prof Glenn Clark USC Prof. Mariela Padilla and Dr. Kamal Al-Eryani USC Dr Dermot Canavan, Assistant Professor, Trinity Dr Philip Hardy, Assistant Professor, Trinity Dr Michael O’Sullivan, Associate Professor, Trinity</p> |
| Module Content | <p>Lectures Topics will include:</p> <ul style="list-style-type: none"> - Neurogenic OFP Disorders - Why can’t I get the tooth numb - Causes of Pulpalgia other than caries and cracked tooth - Diagnosis and Treatment of Neuropathic Orofacial Pain - Prevent and Treatment of Neuropathic Pain - Diagnosis and Treatment for Trigeminal Neuralgia - Diagnosis and Treatment of Burning Mouth Syndrome - Other Trigeminal Sensory Neuropathies [PHN + CRPS] - Trigeminal Neuritis, Neural Trauma, & Dental Implant Pain - Complementary and Alternative Treatments - Electrical Stim Interventions for Chronic Pain - Needle therapy (exclude Botulinum) for Neuropathic Pain - Botulinum for Pain - Behavioural Treatment for Chronic Pain <p>Hands on training (bootcamp) in Trinity will cover the following areas:</p> <ol style="list-style-type: none"> 1. Diagnostic Procedures <ul style="list-style-type: none"> - Cranial Nerve Examination - Otolaryngology Examination - Ophthalmoscope Examination - Oral Neuropathic Pain Assessment - Anaesthetic Testing Protocol 2.. Appliances, Stents and other Devices <ul style="list-style-type: none"> - Neurosensory Stents - Avoiding Neuropathic Pain flare-ups with Planned Treatment 3. Diagnostic Tests <ul style="list-style-type: none"> - MRI image (non-contrast) for the trigeminal nerve - CBCT imaging for possible cracked tooth - Serologic and other Blood-based Tests - Suspected autoimmunity: Serologic Testing - Mucoadhesive and Vacuum formed neurosensory stents 4. Patient Instructions and Explanations in Orofacial Pain <ul style="list-style-type: none"> - Neurosensory Stent Instructions - Avoiding Neuropathic Pain with Planned Treatment - Medically unexplained symptoms - Neuropathic Pain with secondary HA |

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| | - Occlusal dysesthesia patient |
| Module Learning Outcomes | <p>On successful completion of the module students should be able to:</p> <p>M1-01. Describe and demonstrate how to collect a medical history interview, perform a physical examination and interpret diagnostic test data towards the goal of creating a differential diagnosis and treatment plan for a patient with a neurogenic pain disorder occurring in the orofacial region.</p> <p>M1-02. Describe and demonstrate how to perform instruction of a chronic pain patient in how to conduct exercises involving relaxation, self-hypnosis and positive cognitive suggestions.</p> <p>M1-03. Describe how to perform a simple behavioural assessment of a patient with acute and chronic disease.</p> <p>M1-04. Describe the anatomical and physiological basis of neurogenic pain disorders that occur in the orofacial region.</p> <p>M1-05. Describe the mechanism of neuropathic pain (including but not limited to peripheral and centralized sensitization, sympathetically involved and maintained pain and other chronic regional pain syndromes).</p> <p>M1-06. Describe the alternative and complimentary therapy for chronic neurogenic pain.</p> |
| Module Assessment | <ol style="list-style-type: none"> 1. Written assignments. Asynchronous interactive (embedded quizzes and hotspots) video lectures and post-lecture quizzes, final course examination and written homework assignments (30%) (formative). 2. Practical assignments. Year-end Objective Structured Clinical Examinations given in the summer bootcamp (30%) (summative). 3. Case study analysis. Weekly Live Video Conferences (seminar participation) 40% (formative). |