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SPEAKER



Innovation In Ophthalmology Practices

Padang, August 30<sup>th</sup> - September 1<sup>st</sup> 2018

Accredited by Indonesian Medical Association (IDI) : No. 02451/PB/A.4/09/2018 Participant : 15 SKP, Speaker : 12 SKP, Moderator : 4 SKP, Committee : 2 SKP



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Secondary pain from disease:

- Eye
- Ear
- Neck
- Sinus
- · Temporo mandibular joint

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Cervical artery

## Introduction

There are several factor from secondary pain:

- Neurologic
- Vascular
- Neoplastic : nasofaring tumor or metastasis
- Disease of dental or sinus
- Occipital Neuralgia
- Herpes Zoster Opthalmic

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-6	.Musculoligai	mentous/ so	oft tissue	
	2. Dental			
-3	. Neurologico	al/ Vascula	r	

Table 1 Classification of orofacial pain					
Musculoligamentous/soft tissue	Dentoalveolar	Neurological/vascular			
Temporomandibular joint (TMJ) pain Facial arthromyalgia, myofascial pain Atypical facial pain/idiopathic orofacial pain Salivary gland disease Optic neuritis Internal derangements TMJ Burning mouth Candidiasis Cancer, sinuses, nasopharynx, brain	Dentinal Periodontal Pulpal Cracked tooth syndrome Maxillary sinusitis Thermal sensitivities Atypical odontalgia	Trigeminal neuralgia Glossopharyngeal neuralgia Nerve compression Cluster headache Post-herpetic neuralgia Cranial arteritis Pre-trigeminal neuralgia SUNCT Ramsay Hunt Tolosa Hunt syndrome			











- Pain from the temporomandibular area may arise from either the joint or the muscle.
- Joint pain exacerbated by chewing or talking suggests joint disease.

# Occipital Neuralgia

- Paroxysmal stabbing pain in the distribution of the greater or lesser occipital nerves.
- Tenderness may be elicited with pressure over the affected nerve.



### Management principles

The aim of treatment can be summarised as below:

- Eliminate or minimize the facial pain
- · Eliminate or minimize negative cognitive, behavioral, and emotional factors
- Increase efficacy of drug treatment by careful choice
- Encourage self management which increases control over pain.
- Treatments divide into medical, surgical, and alternative : acupuncture to cognitive behaviour therapy) and patients may need a variety of these.



#### Iris

- Pain from anterior uveitis often spreads: in the ear, teeth, or sinuses.
- Throbbing or neuralgic pain accompanied by photophobia, hyperlacrimation and blepharospasm.
- Pain in iritis: damage to the blood aqueous barrier causes kinin and prostaglandin E1 released from polymorphonuclear cell poly and release of substance P and polypeptides from the iris will stimulate chemoreceptors in the ciliary body.

### **Optic Nerve**

- Pain in acute optic neuritis: 90% : Light severe, exacerbated by eye movements.
- Causes: inflammation or edema of the optic nerve sheath innervated by small branches of the trigeminal nerve



#### Post Herpetic Pain

- Herpes zoster is a viral infection that often involves the ophthalmic division of the trigeminal nerve.
- Inflammation of arteries, peripheral branches of the trigeminal nerve and gasseric ganglion.
- Pain from 2-3 days before the appearance of vesicular rash (prodromal)
- Herpes zoster pain is different from trigeminal neuralgia pain:The pain of Herpes zoster persists and continue, throbbing and its intensity decreases gradually, felt in all distributions of the trigeminal nerve --> especially the forehead
- Spontaneous regression pain within 2 or 3 weeks can progress to postherpetic pain.



