# Agenda Case presentation Primary and Secondary Headache Primer on Pain



# Case Presentation RT is a 25 year old woman with daily headache Global HA for past 6 months Formerly occasional HA beginning with wavy visual distortion for 20 minutes Then nausea & unilateral HA throbbing for 4+ hours

### Case Presentation RT is a 25 year old woman with daily headache Typically resolved after sleeping Some benefit from ibuprofen 600 mg HA daily 1 week before menses Frequency increasing until now HA every day

#### Case Resolution

RT is a 25 year old woman with daily headache

- ✓ Addressed triggers including sleep changes, OCP; stressful events; eat breakfast; decrease caffeine
- ✓ Amitriptyline 10 mg at bedtime
- ✓ No other analgesic for 2 weeks
- ✓ Breakthrough HA: 100% respond to zolmitriptan

Pri-Med West 2011

### Truths about Headaches (1980)

- Most headaches were muscle-tension headaches
- Migraines (and cluster) were vascular headaches
- Migraine aura was due to vasospasm
- Drugs were aspirin/caffeine, aspirin/butalbital/caffeine, caffeine/ergotamine, or acetaminophen/dichloralphenazone/isometheptene

Pri-Med West 2018

#### Truths about Headaches (2018)

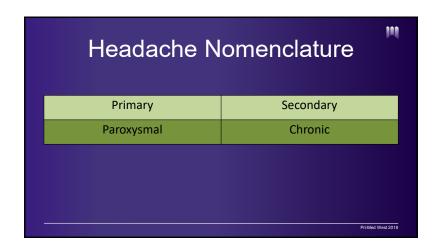
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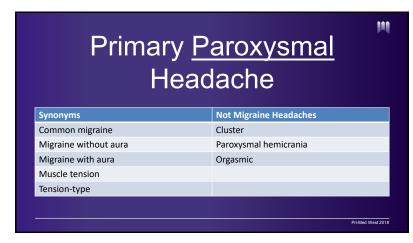
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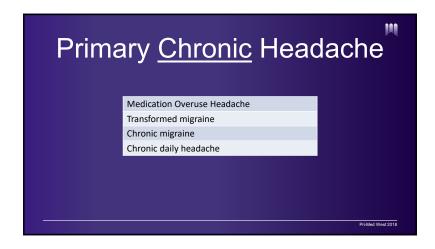
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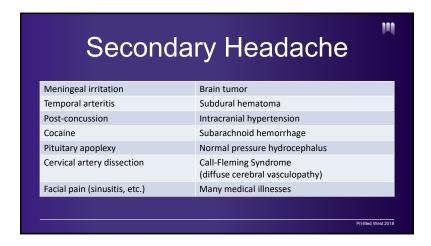
#### International Headache Society Classification of Migraine

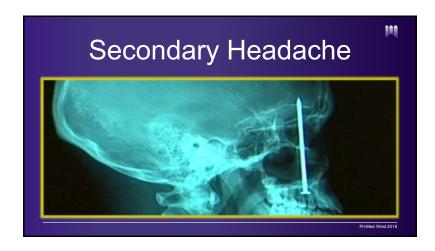
Necessary	At least 2	At least 1
Episodic 4-36 hours	Unilateral	Photophobia
	Throbbing	Phonophobia
	Aggravated by movement	Nausea or vomiting
	Severe	
		Pri-Med West 2018









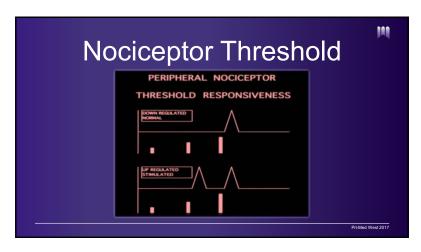


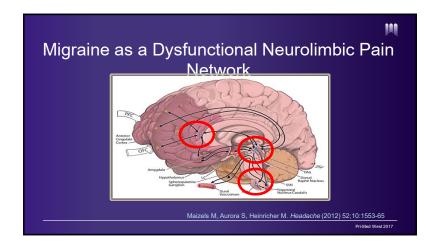


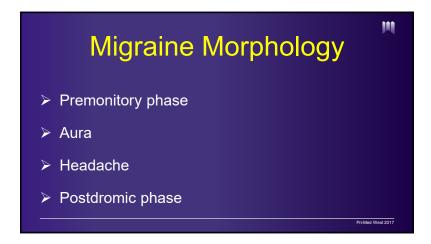






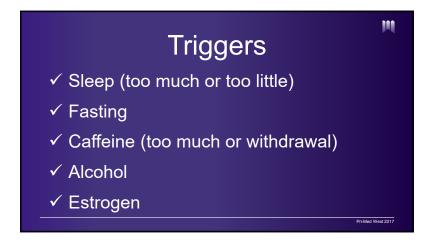




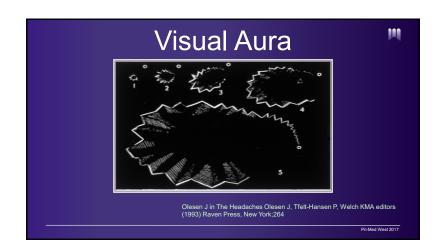


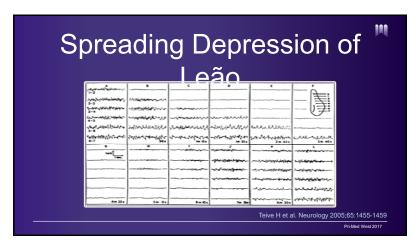


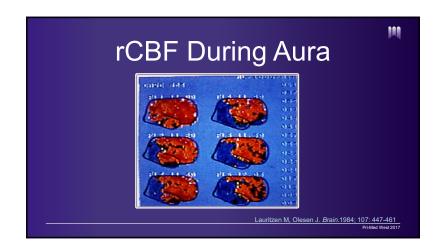


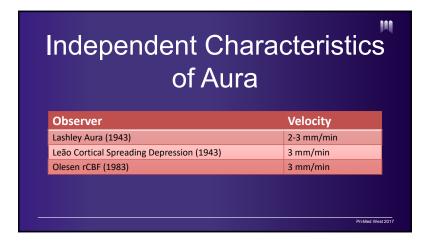


### Aura Provides a Clue 1. Lashley draws an aura 2. Leão describes spreading electrochemical depression 3. Lauritzen and Olesen measure regional cerebral blow flow (rCBF) of cortex



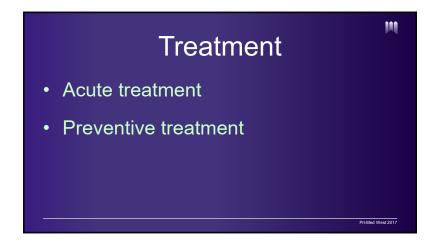


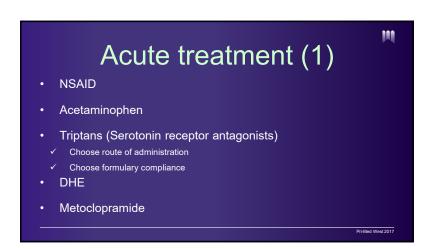


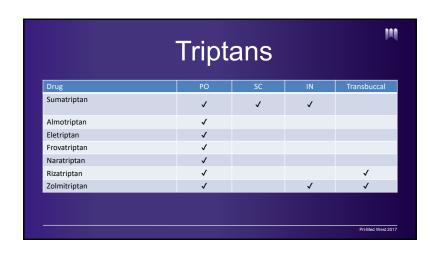


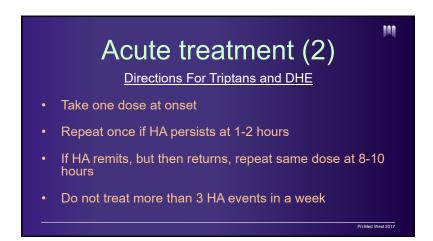
# Sensory Associations ✓ Colic ✓ Motion sickness ✓ Ice pick-like head pain ✓ Freezer brain

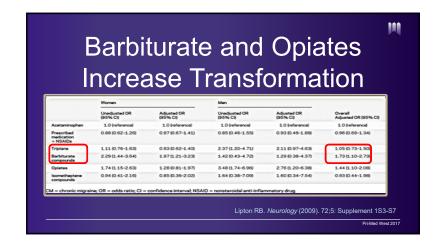


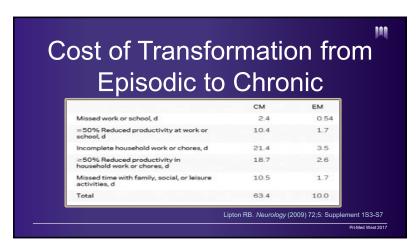












### Preventive Treatment (1) Good Evidence Low dose tricyclic Topiramate and Divalproex Nadolol, metoprolol, timolol, propranolol Pringsheim T, Davenport WJ, Becker WJ. CMAJ. (2010) 182,7: E269-E276





