

Migraine Treatments

- I. Background
 - A. Types of headaches
 - B. Migraines
 - 1. types
 - a. without aura
 - b. with aura
 - 2. physiology
 - C. Management / Treatment
 - 1. avoid triggers
 - 2. abortive treatments
 - 3. prophylactic therapy
- II. Migraine Abortive Treatments
 - A. NSAIDs
 - B. Serotonin agonists
 - 1. serotonin background
 - a. discovery
 - b. location
 - c. effects
 - d. synthesis
 - e. receptors
 - 2. Triptans
 - a. drugs
 - 1) sumatriptan (Imitrex, Onzetre, Zembrace)
 - 2) eletriptan (Relpax)
 - 3) rizatriptan (Maxalt, Maxalt-MLT)
 - 4) zolmitriptan (Zomig)
 - C. Ergot alkaloids
 - a. ergotamine (Ergomar)
 - b. dihydroergotamine (DHE 45, Migranal)
 - D. CGRP receptor antagonists
 - 1. background
 - 2. receptor antagonist
 - a. ubrogepant (Ubrelvy)
 - b. rimegepant (Nurtec)
 - E. Opioids

III. Migraine Prophylaxis Treatments

- A. β -blockers
 - 1. propranolol (Inderal LA, Innopran XL)
- B. Anticonvulsants
 - 1. topiramate (Topamax)
 - 2. valproic acid (Valproate)
- C. Other
- D. CGRP
 - 1. CGRP itself
 - a. monoclonal antibodies
 - 1) fremanezumab (Ajovy)
 - 2) galcanezumab (Emgality)
 - 3) eptinezumab (Vyepiti)
 - 2. block receptor
 - a. monoclonal Ab
 - 1) erenumab (Aimovig)
 - b. receptor antagonist
 - 1) rimegepant (Nurtec)
 - 2) atogepant (Qulipta)
- E. Antidepressants
 - 1. tricyclic antidepressants
 - a. amitriptyline (Elavil, Endep, Vanatrip)
 - b. nortriptyline (Pamelor)
 - 2. SNRI
 - a. venlafaxine (Effexor ER, Effexor)
 - 3. SSRI
 - a. fluoxetine (Prozac, Sarafem, Rapiflux, Selfemra)

IV. Tension Headaches

V. Cluster Headaches