

## Headache

### Deadly “Dozen” + 3

1. SAH
2. Meningitis/encephalitis
3. CO poisoning
4. Tumor/mass/abscess
5. Preeclampsia/eclampsia
6. Hypoglycemia
7. Hydrocephalus
8. Hypertensive encephalopathy
9. Cerebral venous thrombosis
10. Stroke
11. Subdural/epidural hematoma
12. High altitude cerebral edema
13. Idiopathic intracranial HTN
14. Acute closure glaucoma
15. Temporal Arteritis

### Headache causes

1. Migraine
2. Sinusitis
3. Dehydration
4. Tension
5. Viral meningitis
6. Eye Strain
7. Pheochromocytoma
8. Hypertension
9. TMJ syndrome
10. Ice cream headache
11. Post-concussive headache
12. Cough headache
13. Hypoxia
14. Trigeminal neuralgia
15. Zoster
16. Cluster headache
17. Caffeine withdrawal
18. NSAID withdrawal
19. Narcotic withdrawal
20. Post-coital headache
21. Post-LP headache
22. Cervical Strain
23. Carotid artery dissection
24. Iritis
25. Optic neuritis
26. Otitis media
27. Streptococcal pharyngitis
28. Influenza
29. Post-ictal headache
30. Toxoplasmosis
31. MAO inhibitors
32. Odontogenic causes

### 33. Other ENT causes

### Red Flag Associated Symptoms/Signs

1. Syncope
2. Explosive onset
3. Age >50 years (no history)
4. Fever
5. Seizure
6. Altered mental status
7. Visual changes
8. Eye pain
9. Papilledema
10. Neck stiffness
11. Pregnancy/Post-partum
12. Hypertension
13. Hyper-reflexia
14. Focal neurological abnormality
15. Trauma
16. Anti-coagulant therapy
17. First cold spell or ice storm
18. HIV/AIDS
19. Facial infection
20. Malignancy
21. Exertional headache
22. Immunosuppression

### Evaluation

1. Vital signs
2. Non-contrast CT
3. CT-angiography
4. MRI/MRV
5. LP/CSF/OP
6. ESR
7. Intraocular pressure
8. Pregnancy test
9. Accucheck
10. UA - Protein
11. Shunt series
12. CO level
13. D-dimer