



MEDICINE
KING SAUD UNIVERSITY



MCQs

SAQs

Summary

Drugs used in headache and migraine

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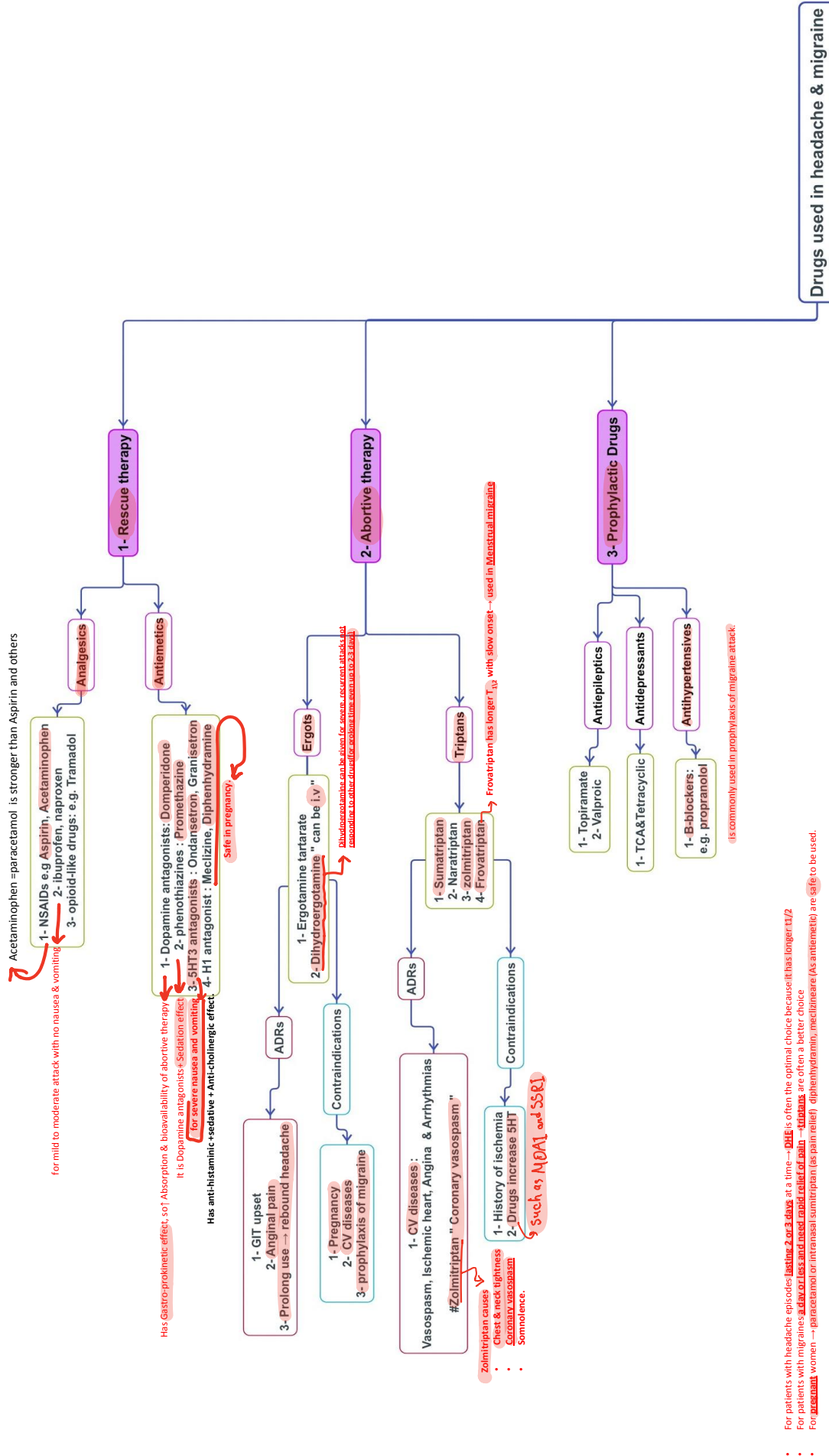
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Summary



For patients with headache episodes: **lasting 2 or 3 days** at a time → **DHE** is often the optimal choice because it has longer T_{1/2}

For patients with migraines: **adjuvantless and need rapid relief of pain** → **triptans** are often a better choice

For **pregnant** women → **paracetamol** or **intranasal sumatriptan** (as pain relief), **diphenhydramine**, **meclizine** (as antiemetic) are **safe** to be used.

DHE extremely fast relief within 15 min → injectable **sumatriptan** is the only choice.

If expected re-dosing is needed or recurrence of headache → **Naratriptan**, **frovatriptan** have slower onset, fewer side effects, and lower recurrence rate

The form of drug preparation could influence the choice: → injectable **sumatriptan** reaches T_{max} the fastest followed by **DHE nasal spray**

Drugs used in headache & migraine

MCQs

1- Anti-depressant drugs used in the treatment of migraine to:

- A. Prevent recurrence. B. Decrease severity of symptoms. C. Control attacks.

2- Which of the following ergots drug is preferred in clinical setting as prophylactic drugs with frequently attract of migraine ?

- A. Ergotamine tartarate. B. Diphenhydramine. C. Dihydroergotamine.

3- Which of the following drugs can be used in pregnant woman with migraine especially with her vomiting and nausea ?

- A. Ergotamine tartarate. B. Diphenhydramine. C. Dihydroergotamine.

4- Which of the following considered the first line treatment of severe acute attack of migraine?

- A. Diphenhydramine. B. Sumatriptan. C. Frovatriptan

5- Which of the following drugs has the slowest onset of action and can be used with migraine lasting less than 8 hours?

- A. Sumatriptan. B. Zolmitriptan. C. Naratriptan.

6- Ergots drugs cannot be used as:

- A. Prophylactic therapy. B. Resistance migraine. C. A and B.

7- What is the first line treatment of moderate migraine in Pregnant lady?

- A. Ergotamine. B. Sumatriptan. C. Acetaminophen.

8- What is the first line treatment of severe migraine in Pregnant lady?

- A. Ergotamine. B. Sumatriptan. C. Acetaminophen.

9- 22 years old lady presenting to the hospital clinic with attack of migraine and during the history taking, she mentioned that it is trigger by menstrual cycle, she irritability, insomnia and sever nausea. Which one of the following triptanes is the best in her case?

- A. Sumatriptan. B. Zolmitriptan. C. Frovatriptan.

Q6: A is false because there is exception for DHE which can be used as prophylactic therapy

Answers:	A.	C.	B.	B.	C.	B.	C.	B.	C.
1.	2.	3.	4.	5.	6.	7.	8.	9.	

MCQs

10- Patient with moderate migraine suffer from sever vomiting and nausea, which one of the following antiemetic is the best in his case?

- A. Domperidone. B. Diphenhydramine. C. Ondansetron.

11- Patient taking Ibuprofen for his mild migraine but it did not work effectively which drugs can be used to enhance its absorption & bioavailability?

- A. Domperidone. B. Diphenhydramine. C. Ondansetron.

12- Which of the following drugs is prefer to use if we have patient with both migraine attack & vomiting at the same time ?

- A. Dihydroergotamine. B. Sumatriptan. C. Both of them.

13- Almost all Ergots & Triptans drugs are contraindication in cardiovascular patient, which one of the following is highly prohibited due to its effect on coronary vessel (may lead to coronary vasospasm) ?

- A. Sumatriptan. B. Zolmitriptan. C. Frovatriptan.

14- Which one of the following can be used with Patient who has Migraine episodes usually lasting for 48-72 hours ?

- A. Ergotamine tartarate B. Sumatriptan. C. Dihydroergotamine.

15- Which of the following Phase of migraine attack is the best for the drugs to be taken in?

- A. Prodrom Phase. B. Headache Phase. C. Aura Phase.

16- Which of the following could be considered as hormonal trigger for migraine?

- A. Hypertension. B. Diabetes mellitus. C. Menstrual period.

17- Prolong use of which of the following will cause rebound headache or migraine?

- A. Ergotamine. B. Naratriptan. C. Domepridone.

Q12: Both can be given I.V.

Answers:
10. C.
11. A.
12. C.
13. B.
14. C.
15. C.
16. C.
17. B.
18. A.

Q1) What is the difference in the mechanism of action of TRIPTANES and DOMPERIDONE Respectively?

- Triptanes are selective 5-HT₁ agonists thus they decrease:
 1. Release of Vasodilating peptides.
 2. Excessive firing of nerve ending.
- Domperidone is a dopamine antagonist.

Q2) Mr. John is 20 years old male, he works as school bus driver, he suffers from headache, nausea & vomiting. Sometimes he is photophobic.

1- Which drug should NOT be used to relief his symptoms?

- Phenothiazines because it has sedative effect.

2- What should be used?

- Domperidone because it will help in his GIT symptoms as well as headache without any sedative effect that may affect.

Q3) Mr. Jack felt is having sever headache unilaterally and vomiting. what drug could be used in this situation if we can consider it an emergency case and we need rapid relief of pain?

- Sumatriptan because it can be used Parenterally(S.C) with less side effect than ergots groups and it also may help in case of vomiting, and it has fast relief of the pain due to its T_{max}..

Q4) A 66-year-old female with mild hypertension developed attacks of migraine for the last 3 weeks. What is the drug of choice that can be used as a preventative therapy?

- Commonly we use Beta-blockers such as propranolol because they will help her in decreasing both BP and symptoms of migraine.