

# Migraine

CHI Formulary Treatment algorithm

Treatment algorithm- October 2023

Supporting treatment algorithms  
for the clinical management of  
Migraine

Figure 1 outlines a comprehensive treatment algorithm on **the management of Migraine**, aimed at addressing the different lines of treatment after thorough review of medical and economic evidence by CHI committees.

For further evidence, please refer to CHI **Migraine** full report. You can stay updated on the upcoming changes to our formulary by visiting our website at <https://chi.gov.sa/AboutCCHI/CCHIprograms/Pages/IDF.aspx>

Our treatment algorithm offers a robust framework for enhancing patient care and optimizing treatment outcomes across a range of treatment options, holding great promise for improving healthcare delivery.

## Pharmacological Prevention of Migraine

Indication: level of suffering, Improvement of quality of Life

Principles of preventive treatment-Clarify in advance:

- Efficacy (reduction of headaches by approx. 50%, delayed onset of action)
- Side effects (detailed information for chosen drug, side effects often early in dosing)-

**“start low go slow”**

- Therapy monitoring (Headache diary)
- Therapy timeframe(6-12 months, then check for necessity)
- Therapy change/termination (If no satisfactory improvement within 2 months after reaching the final dose)

Always in combination with non-medical treatment:

- Frequent aerobic endurance sports
- Behavioural therapeutic procedures, e.g.: -relaxation techniques
- biofeedback
- Psychological pain therapy, e.g.: - pain management
- stress management
- Cognitive behavioural therapy, if necessary-Limitation of acute medication to < 10/day per month

### Medications with Evidence of Efficacy in Migraine Prevention:

#### Oral:

Candesartan	Divalproex sodium
Frovatriptan	Metoprolol
Propranolol	Timolol
Topiramate	Valproate sodium

#### Parenteral:

Eptinezumab	Erenumab
Fremanezumab	Galcanezumab
Onabotulinumtoxin A	

### Probably effective:

#### Oral:

Amitriptyline	Atenolol
Lisinopril	Memantine
Nadolol	

#### Parenteral:

OnabotulinumtoxinA + CGRP mAb
Venlafaxine

Figure 1: Treatment algorithm of Migraine

<sup>1</sup> The American Headache Society Consensus Statement: Update on Integrating New Migraine Treatments into Clinical Practice (2021)