

Supplementary file; ICHD 3 diagnostic criteria for Migraine

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Migraine has two major types: 1.1) Migraine without aura is a clinical syndrome characterized by headache with specific features and associated symptoms. 1.2) Migraine with aura is primarily characterized by the transient focal neurological symptoms that usually precede or sometimes accompany the headache. Some patients also experience a prodromal phase, occurring hours or days before the headache, and/or a postdrome phase following headache resolution. Prodromal and postdrome symptoms include hyperactivity, hypoactivity, depression, cravings for particular foods, repetitive yawning, fatigue and neck stiffness and/or pain.

When a patient fulfils criteria for more than one type, subtype, or sub form of migraine, all should be diagnosed and coded. For example, a patient who has frequent attacks with aura but also some attacks without aura should be coded as 1.2 Migraine with aura and 1.1 Migraine without aura. However, since the diagnostic criteria for 1.3 Chronic migraine subsume attacks of all types, subtypes or sub forms, additional coding is unnecessary for episodic subtypes of migraine.

1.1 Migraine without aura

- A. At least five attacks fulfilling criteria B-D
- B. Headache attacks lasting 4-72 hours (when untreated or unsuccessfully treated)
- C. Headache has at least two of the following four characteristics:
 - 1. unilateral location
 - 2. pulsating quality
 - 3. moderate or severe pain intensity
 - 4. aggravation by or causing avoidance of routine physical activity (eg, walking or climbing stairs)
- D. During headache at least one of the following:
 - 1. nausea and/or vomiting
 - 2. photophobia and phonophobia
- E. Not better accounted for by another ICHD-3 diagnosis.

1.2 Migraine with aura

- A. At least two attacks fulfilling criteria B and C
- B. One or more of the following fully reversible aura symptoms:
 - 1. visual
 - 2. sensory
 - 3. speech and/or language
 - 4. motor
 - 5. brainstem
 - 6. retinal
- C. At least three of the following six characteristics:
 - 1. at least one aura symptom spreads gradually over ≥ 5 minutes
 - 2. two or more aura symptoms occur in succession
 - 3. each individual aura symptom lasts 5-60 minutes
 - 4. at least one aura symptom is unilateral
 - 5. at least one aura symptom is positive
 - 6. the aura is accompanied, or followed within 60 minutes, by headache
- D. Not better accounted for by another ICHD-3 diagnosis.

1.2.1 Migraine with typical aura

- A. Attacks fulfilling criteria for 1.2 Migraine with aura and criterion B below
- B. Aura with both of the following:
 - 1. fully reversible visual, sensory and/or speech/language symptoms
 - 2. no motor, brainstem or retinal symptoms.

1.2.1.1 Typical aura with headache

- A. Attacks fulfilling criteria for 1.2.1 Migraine with typical aura and criterion B below
- B. Headache, with or without migraine characteristics, accompanies or follows the aura within 60 minutes.

1.2.1.2 Typical aura without headache

- A. Attacks fulfilling criteria for 1.2.1 Migraine with typical aura and criterion B below
- B. No headache accompanies or follows the aura within 60 minutes.

1.2.2 Migraine with brainstem aura

- A. Attacks fulfilling criteria for 1.2 Migraine with aura and criterion B below
- B. Aura with both of the following:
 - 1. at least two of the following fully reversible brainstem symptoms:
 - a) dysarthria
 - b) vertigo
 - c) tinnitus
 - d) hypacusis
 - e) diplopia
 - f) ataxia not attributable to sensory deficit
 - g) decreased level of consciousness (GCS ≤ 13)
 - 2. no motor or retinal symptoms.

1.2.3 Hemiplegic migraine

- A. Attacks fulfilling criteria for 1.2 Migraine with aura and criterion B below
- B. Aura consisting of both of the following:
 - 1. fully reversible motor weakness
 - 2. fully reversible visual, sensory and/or speech/language symptoms.

1.2.3.1 Familial hemiplegic migraine

- A. Attacks fulfilling criteria for 1.2.3 Hemiplegic migraine.
- B. At least one first- or second-degree relative has had attacks fulfilling criteria for 1.2.3 Hemiplegic migraine.

1.3 Chronic migraine

- A. Headache (migraine-like or tension-type-like) on ≥ 15 days/month for >3 months, and fulfilling criteria B and C
- B. Occurring in a patient who has had at least five attacks fulfilling criteria B-D for 1.1 Migraine without aura and/or criteria B and C for 1.2 Migraine with aura
- C. On ≥ 8 days/month for >3 months, fulfilling any of the following:
 - 1. criteria C and D for 1.1 Migraine without aura
 - 2. criteria B and C for 1.2 Migraine with aura
 - 3. believed by the patient to be migraine at onset and relieved by a triptan or ergot derivative
- D. Not better accounted for by another ICHD-3 diagnosis.