

Long-term efficacy of detoxification in patients with medication overuse headache: one-year follow-up

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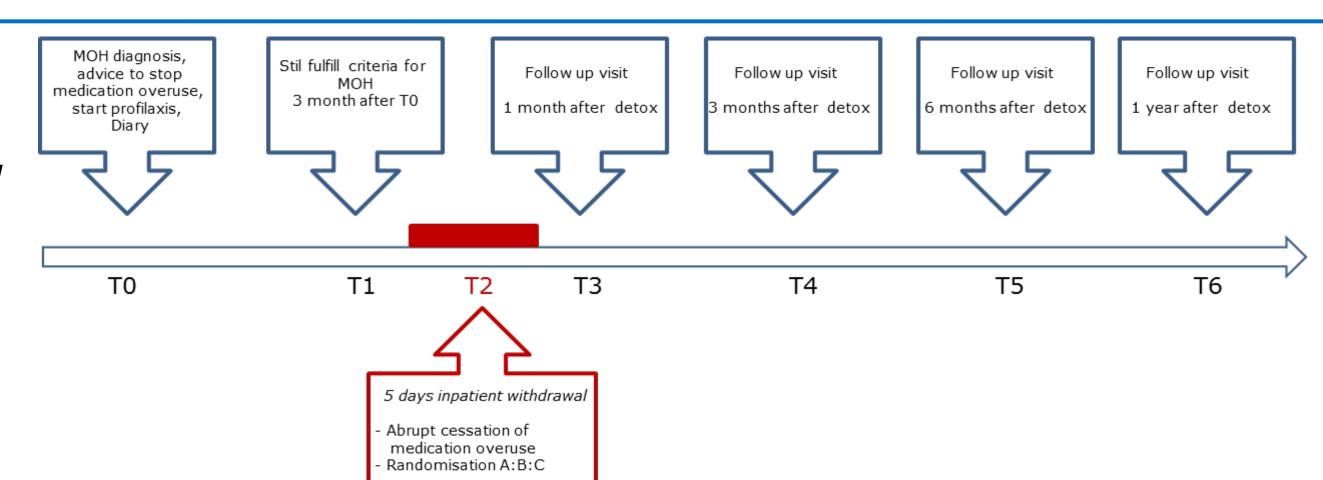
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Objective:

To evaluate the long-term efficacy of detoxification in patients with medication overuse headache (MOH).

Method:

MOH patients, unresponsive to prophylaxis, underwent in-patient detoxification. In a randomized, single-blinded, placebo controlled trial, overused medications were suddenly stopped and methylprednisolone 500 mg i.v. (A) or paracetamol 4 g i.v. (B) or placebo i.v. (C) were given daily for 5 days. Patients were monitored at 1, 3, 6 and 12 months after in-patient withdrawal program. A clinical diary in which patients recorded headache attacks and painkillers assumed for headache during the study period was checked at every visit.



Results:

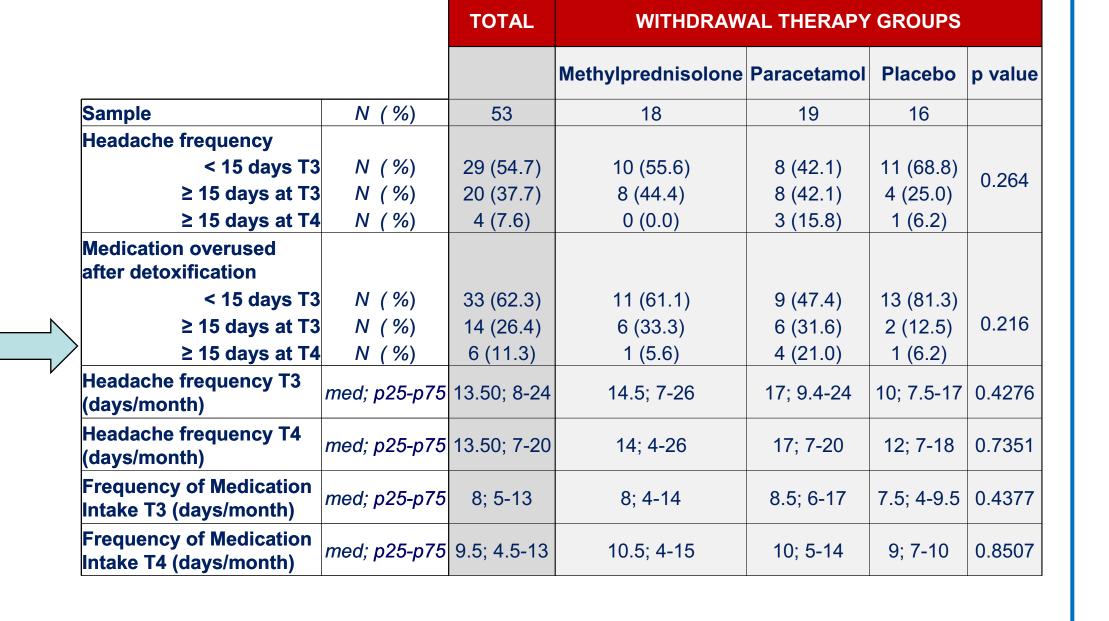
57 MOH patients (50 F, 7 M; mean age 47.3 \pm 10.3) completed detoxification. 19 patients were randomized to A, 19 to B and 19 to C. Three patients randomized on C group dropped out during the recovery.

After the recovery, one patient randomized on C group was lost at one month follow-up. Of the 53 remaining patients, 33 (62.2%) returned to an episodic migraine and 39 (73.6%) stopped to overuse medications, with no detectable differences among groups. Overall headache frequency was reduced to a median (IQR) of 13.5 (8-24) while frequency of medication intake was reduced to a median (IQR) of 8 (5-13) without differences among groups.

After the **three months** of follow-up 28 (52.8%) participants still presented

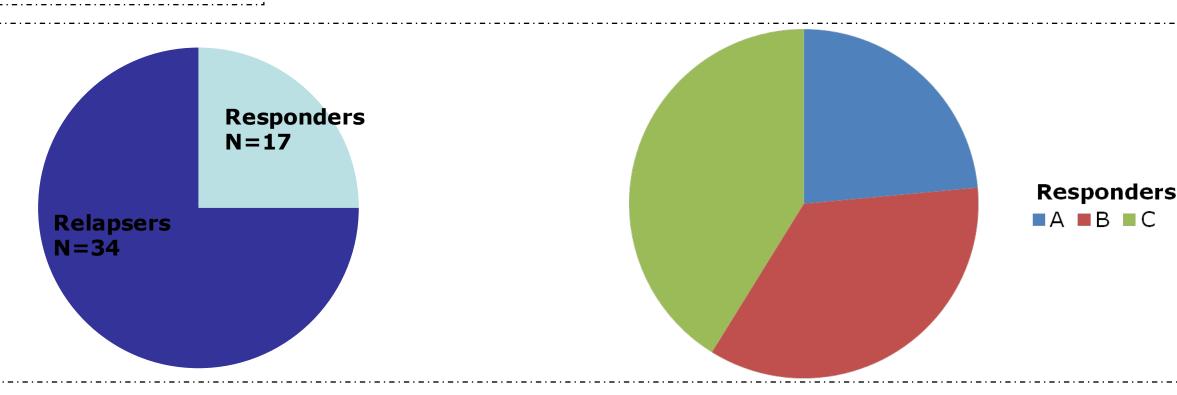
episodic migraine: 9 (50.0%) randomized on A group, 8 (42.1%) on B and 11 (68.7%) on C without significant differences.

At **six months**, two more patients randomized on A and C were lost at follow-up; 19 (37.3%) patients were still episodic and 7 (13.7%) relapsed into MOH.



After one year of follow-up:

17 (33.3%) participants still presented an episodic migraine: 4 (23.5%) randomized on A group, 6 (35.3%) on B and 7 (41.2%) on C.



Discussion:

It is still highly debated the role of detoxification programs in MOH. Our results suggest that 62% MOH patients resistant to prophylaxis reverted to an episodic migraine and 73% had no more medication overuse after one month. After the three months of follow-up 52% of subjects still presented an episodic migraine and 62% were recovered from medication overuse. Only one-third of patients have long-term efficacy, with an episodic pattern of attacks at 6 and 12 months follow-up.

Conclusions:

This study suggests that in a population of severe MOH patients, detoxification may have a long-lasting efficacy. One-third of patients is cured of MOH one-year after detoxification.

References

¹ Kristoffersen ES, Lundqvist C: **Medication-overuse headache: epidemiology, diagnosis and treatment.** Ther Adv Drug Saf. 2014;5(2):87-99.

² Cevoli S, Giannini G, Favoni V, Sancisi E, Nicodemo M, Zanigni S, Grimaldi D, Pierangeli G, Cortelli P: **Treatment Of Withdrawal Headache In Patients With Medication Overuse Headache (MOH): A Randomized, Single-Blinded, Placebo Controlled Study.** Neurology 2014,82 (10 Supplement): P1.261.

