

**Clinical Development
Picotamide in the Prophylaxis of Migraine with Aura
Clinical Study Report**

Study No: 19122011

EudraCT No.: 2011-006207-36

**A multi centre, double blind, randomised, placebo controlled crossover study to
evaluate the efficacy and tolerability of picotamide in the prophylaxis of migraine in
patients presenting with migraine with aura**

Document type: Clinical Study Report

Development phase: Phase II **Protocol No.:** 19122011

First subject enrolled: July 11, 2012 **Last subject completed:** October 12, 2016

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1. SIGNATURES

Study:

A multi centre, double blind, randomised, placebo controlled crossover study to evaluate the efficacy and tolerability of picotamide in the prophylaxis of migraine in patients presenting with migraine with aura.

Authors:


I /We have read this report and confirm that to the best of my /our knowledge it accurately describes the conduct and results of the study.

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2. SYNOPSIS

Name of Sponsor/Company: Prereo Pharma Innovation AG		
Name of Finished Product: Plactidil		
Name of Active Ingredient: Picotamide		
Title of Study: A multi centre, double blind, randomised, placebo controlled crossover study to evaluate the efficacy and tolerability of picotamide in the prophylaxis of migraine in patients presenting with migraine with aura.		
Investigator: Prof. Jes Olesen, M.D.		
Study centre: Danish Headache Center, Department of Neurology, Glostrup Hospital, DK-2600 Glostrup, Denmark		
Publication (reference): None		
Study period (years): (date of first enrolment) (date of last completed)	4 July 11, 2012 October 12, 2016	Phase of development: II
Objectives: <i>Primary objective:</i> <ul style="list-style-type: none"> To investigate the efficacy of picotamide compared to placebo in the reduction of the number of auras in patients with migraine with aura. <i>Secondary objectives:</i> <ol style="list-style-type: none"> To compare the safety and tolerability of picotamide and placebo in the prophylactic treatment of patients with migraine with aura; To investigate the efficacy of picotamide compared to placebo on the number and overall severity of migraine attacks experienced during a three-month treatment period together with associated symptoms. 		
Methodology: Double-blind, placebo-controlled efficacy and safety study using a cross-over design.		
Number of subjects (planned and analyzed): Sixty-two (62) patients with migraine with aura.		
Diagnosis and main criteria for inclusion: Male and female patients with migraine with aura between 18 and 65 years old.		
Test product, dose and mode of administration, batch number: <ul style="list-style-type: none"> Plactidil tablets containing 300 mg picotamide (batch no: 1102 (2012), F003Y (2015)) The study medication was given orally twice daily		
Reference therapy, dose and mode of administration, batch number: <ul style="list-style-type: none"> Tablets containing placebo (batch no. D006W (2012), K037X (2015)) The study medication was given orally twice daily		
Duration of treatment: Plactidil: Twelve weeks oral administrations of the study medication. Placebo: Twelve weeks oral administrations of the study medication. Wash-out period of 4 weeks with placebo between treatment periods.		

Name of Sponsor/Company: Proreo Pharma Innovation AG		
Name of Finished Product: Plactidil		
Name of Active Ingredient: Picotamide		
Criteria for evaluation: Efficacy: <ul style="list-style-type: none"> - Mean number of auras during each treatment period, - Mean number of migraine headache days in each treatment period, - Mean number of non-migraine related headache days in each treatment period - Mean number of auras followed by headache in each treatment period, - Mean number of headache days in each month of treatment in each treatment period, - Mean number of auras and/or migraine headache during each treatment period, - Mean number of migraine headache attacks in each treatment period, - Mean monthly consumption of rescue medication during the last month and the whole of each treatment period from the baseline period to Month 3, - Mean duration of auras in each treatment period, - Mean number of symptoms associated with auras in each treatment period, - Reduction in the number of auras and the number of migraine headache days relative to the placebo treatment period. Safety: Incidence of all adverse events (AEs), serious AEs and AEs leading to withdrawal of trial medication, clinical laboratory tests, vital signs and physical examination.		
Efficacy: Not applicable.		
Statistical methods: Wilcoxon signed rank test on efficacy parameters. Individual data listings and, if appropriate, descriptive statistics on safety data.		
Results:		
Efficacy Results: <ul style="list-style-type: none"> • Picotamide did not reduce the number of auras in patients with migraine with aura compared to placebo in a larger patient population with 1 or more MwA attacks. • Picotamide had no effect on the number and overall severity of migraine attacks experienced during a three-month treatment period together with associated symptoms compared to placebo in a larger patient population with 1 or more MwA attacks. • Post hoc analysis indicates: <ul style="list-style-type: none"> ○ Based on rationales (IHS guidelines and based on recent Phase II clinical studies in migraine), subsets of patients with 1 - 6 and 3 - 6 MwA attacks per month prior to the study were analyzed. ○ When applying these selected inclusion criteria picotamide treatment was associated with a significant reduction of number of MwA attacks in comparison to placebo. ○ Number of MwA attacks in pre-study, as selection criterion for a migraine study, has an impact on clinical outcome. • Instead of a cross-over design with an inclusion criteria of >1 MwA attacks per month, a parallel-group design with a solid run-in period with diary-controlled attack frequency as well as defining cut-offs (min-max) for number of MwA attacks per month may be more appropriate 		
Safety Results: <ul style="list-style-type: none"> • Single and repeated oral doses of picotamide were well tolerated by the patients with migraine with aura; • Three serious adverse events were reported; they were not regarded as related to the study medication; • The majority of adverse events reported were mild. There were no differences in the incidence and the profile of the most relevant and frequent AEs between placebo and picotamide; • There are two events of accidental bleeding for which a relationship to picotamide treatment cannot be completely excluded. 		
Date of the report: June 06, 2018		