

2. STUDY SYNOPSIS

| | | | |
|--|---|---------|-------|
| Title of the study: | A 4-week double-blind placebo-controlled pilot study, evaluating niacin-induced flushing and lipid parameter effects of V0002 CA 1g 3 capsules/day associated with Niaspan® (from 375 mg to 1000 mg) in addition to usual care statin, in patients suffering from dyslipidemia with uncontrolled elevated triglycerides | | |
| Investigator(s): | General practitioners from the ALTI network. Coordinating investigator: Dr Philippe Igigabel | | |
| Study centre(s): | 34 centres participated in this study | | |
| Publications (references): | None | | |
| Period of study: | First patient in: 28/04/2008 – Last patient out: 02/09/2008 | | |
| Clinical phase: | Phase IIa | | |
| Objectives: | The primary objective of this proof-of-concept study is to determine whether V0002 CA co-administered with Niaspan® during 4 weeks of therapy, can help reducing niacin-induced vasodilatation. | | |
| Methodology (design of study): | Multicentre, double-blind, randomized, placebo-controlled, parallel group | | |
| Number of patients: | | | |
| | V0002 CA | Placebo | Total |
| Planned: | 60 | 60 | 120 |
| Enrolled: | 61 | 57 | 118 |
| Completed | 55 | 53 | 108 |
| Discontinued | 6 | 4 | 10 |
| Diagnosis and main criteria for inclusion: | Dyslipidemia with elevated triglycerides uncontrolled by dietary measures and a statin alone, deemed for additional nicotinic acid treatment. | | |
| Test product, dose and mode of administration, batch number: | V0002 CA capsule 1 g - 1 capsule during breakfast and 2 capsules before dinner; oral route Batch no: SB0614/22162 | | |
| Duration of treatment: | 4 weeks (28 days) | | |
| Reference therapy, dose and mode of administration, batch number: | Matching V0002 CA placebo - 1 capsule during breakfast and 2 capsules before dinner; oral route Batch n° SB0615/22161 | | |
| Criteria of evaluation: | <p>Efficacy: The primary criterion is the global intensity of flush defined as the third answer of the FSQ at the first day of each dose increase of Niaspan® (D1, D8, D15, D22).</p> <p>Secondary criteria: Mean global intensity of flushes at each weekly period of escalating dose - Mean global intensity of flushes over the 28 days treatment period - Presence or not of daily flushing symptoms - Number of daily flushing symptoms - Duration of the longest daily flushing symptoms - Global flush score - Intensity of daily flushing-related skin redness, warmth, tingling or itching - Lipid parameters.</p> <p>Safety: Vital signs, physical findings and other observations related to</p> | | |

| | |
|---|---|
| | safety – hematologic- parameters - biochemistry parameters - Clinical adverse events. |
| Statistical methods: | The primary criterion was the global intensity of flush defined as the third answer of the FSQ at the first day of each dose increase of Niaspan® (D1, D8, D15, D22). Treatment groups were compared on the FAS by using a generalized linear mixed model based on a negative binomial distribution with groups as fixed factor, patient as random factor and dose of Niaspan® as categorical covariate |
| Summary and conclusions : | |
| <p>Enrolment of patients and populations analysed: All patients randomized to treatment were included in the FAS and the Safety population; 14 patients in the V0002CA group and 8 in the Placebo group were excluded from the per protocol analysis for major protocol deviation.</p> <p>Summary of efficacy: The expected efficacy of the V0002 CA to prevent flushes in patients needing to be treated with a combination of statin plus Niaspan® was not reached in this study, as patients did not demonstrate hot-flushes due to Niaspan® initiation.</p> <p>For lipid parameters, a significantly more pronounced decrease of Total cholesterol, LDL-cholesterol and apolipoprotein B was observed with V0002CA than with placebo, but paradoxically no effect was observed on HDL cholesterol and related apolipoprotein A.</p> <p>Summary of safety: The treatment V0002 CA combined to a statin and Niaspan® can be considered as well tolerated either from a biological point of view than from a clinical point of view.</p> <p>Adverse events (AE): A total of 8 patients in the V0002 CA group and 15 in the Placebo groups presented at least one adverse event</p> <p>Serious AE and drop-outs due to AE: No serious adverse event was reported in this study.</p> <p>Two patients discontinued from the study for adverse event:</p> <ul style="list-style-type: none"> ○ Patient 3503 (V0002 CA) discontinued the study due to erysipelas considered as severe, not related to the study drug. ○ Patient 0504 (V0002 CA) withdrawn from the study due to nausea and vomiting, not severe, not related to the study drug. <p>Conclusions:</p> <p>Due to an unexpected lack of symptoms at Niaspan® initiation, this study failed to demonstrate a beneficial effect of V0002 CA on flushes. This could be due to a methodological bias, by selecting an inappropriate population, and not considering the only ones who presented symptoms.</p> | |