

Clinical Study Summary

DEV/CCM/03019.2007					
CT Registry ID#: NCT00542607 Study No : A00324					
These results are supplied for informational purposes only. Prescribing decisions should be made based on the					
approved package insert.					
See Drug	Details page of this w	bebsite for approved drug label.			
Based on Clinical Study Report document reference code: RRCE03E0602					
Proprietary Drug Name	INN	Therapeutic area and indication(s)			
Xyzal [®] Tablets	Levocetirizine	Seasonal allergic rhinitis			
	dihydrochloride				
Name of Sponsor/Company: UCB Pharma SA					
Title of Study:					
A randomized, double-blind, three way cross-over, placebo controlled trial to compare the efficacy and safety					
of levocetirizine 5 mg od (oral tablets) and fexofenadine 120 mg od (oral tablets) in reducing symptoms of					
seasonal allergic rhinitis in grass pollen sensitized adults exposed for 2 consecutive days during 4 and 6 hours					
respectively to this allergen in the Vienna Challenge Chamber.					
Investigator(s) (number only):	1				
Study Center(s) (number only): 1					
Length of Study:	Phase	of Development: Phase IV (therapeutic use study)			
Date first patient enrolled: 23-	Sep-2002				
Date last patient completed: 07-	Dec-2002				
Abstract:					
The primary objective was to show that the change from baseline of the mean Major Symptoms Complex (MSC) score over an interval [22-24] hours after medication intake (time interval 3) was greater after					
levocetirizine (LC1Z) than after fexofenadine (FEXO) treatment. MSC was defined as the sum of the					
individual rhinorrhea, sneezing, itchy nose and itchy eyes scores. Subjects were male or female, aged 18 to					
55 years, suffering since ≥ 2 years from grass pollens allergic rhinitis proven by anamnesis, and with a severity					
requiring pharmacological therapy every year. Allergy to grass pollens had to be documented by a positive					
Radio Allergo Sorbent Test (RAST \geq class 3 or \geq 3.5 IU/mL) and/or a positive Skin Prick Test (allergen wheal					
\geq 3 mm than the control wheal) performed within the year preceding inclusion in the study.					
MSC score on first day in each period had to be < 3 before entering the Vienna Challenge Chamber (VCC),					
and ≥ 6 two hours after entering the VCC. Safety assessments included adverse event (AE) monitoring, vital					
signs, and Forced Expiratory Volume in I second (FEVI). Efficacy parameters were analyzed using an					
analysis of covariance model (ANCOVA) adapted for crossover designs with sequence of administration of					
the medications, period and medication considered as fixed effects and subjects within the sequences was					
considered as a random effect. Baseline score was included as covariate.					
Number of Subjects.					
Number of Subjects.		(N-04)			
Planned N:		100			
Enrolled N:		04			
Completed = n (0/);		<u> </u>			
Number of subjects With drawn in (0/):		0 (964)			
Withdrawn due to Advarge Events n (0/):		<u> </u>			
withdrawn due to Adverse Events, II (70). $4 (4.3)$					
winnerawn for Other Keasons, n (%).		3 (3.3)			

CT Registry ID#: NCT00542607					
Study No.: A00324 Demography:	Intent_to_treat (ITT)				
Demogruphy.	(N=94)				
Gender (Females/Males):	56/38				
Age (vears), mean (SD):	25.8 (4.5)				
Race n (%):					
Caucasian	94 (100)				
Safety Outcomes:					
- Summary of treatment emergent adverse events, deaths, other serious adverse events and certain other					
significant adverse events:					
During the treatment period, 12 subjects (12.8%) experienced at least one treatment-emergent (TE)AE. The					
most frequently occurring AEs were respiratory, thoracic and mediastinal disorders (5.3%). All TEAEs					
reported were assessed as not related to the study medication. No deaths or serious (SAEs were reported					
during the study. Three subjects discontinued the study due to a treatment-emergent AE, 2 subjects after					
A E after DBO treatment. No aligibility relevant about	One subject disconti	d FEV1 wara aba	are to a post-treatment		
AE after PBO treatment. No clinically relevant changes in vital signs and FEV I were observed.					
Treatment Emergent AES	I DO	5 mg	120 mg		
	(N=91)	(N=87)	(N=91)		
Subjects with at least one TEAE, n (%):	4 (4,4)	5 (5.7)	3 (3.3)		
Subjects with TEAEs	bjects with TEAEs n (%) [n considered drug-related by the Investigator]				
(by Primary System Organ Class)					
Gastrointestinal disorders	1 (1.1) [0]	1 (1.1) [0]	0		
Infections and infestations	1 (1.1) [0]	0	1 (1.1) [0]		
Nervous system disorders	1 (1.1) [0]	1 (1.1) [0]	1 (1.1) [0]		
Reproductive system and breast disorders	0	1 (1.1) [0]	0		
Respiratory, thoracic and mediastinal disorders	1 (1.1) [0]	2 (2.3) [0]	2 (2.3) [0]		
Primary Outcomes:					
The difference in mean change from baseline in MSC score between the two active treatments over time					
interval 3 was equal to -1.27 in favor of the LCTZ group with a 95% confidence interval (CI) estimated as					
[-1.87, -0.67]. The difference was highly statistically significant ($p < 0.001$).					
MSC score over time interval 3	PBO	LCTZ	FEXO		
		5 mg	120 mg		
	(N=90)	(N=86)	(N=91)		
Mean change from baseline (SE)	-1.87 (0.26)	-5.10 (0.27)	-3.84 (0.26)		
Difference versus PBO [95% CI] (p-value)		-3.23	-1.96		
		[-3.83, -2.63]	[-2.56, -1.37]		
		(< 0.001)	(< 0.001)		
Difference versus FEXO [95% CI] (p-value) $-1.2/[-1.8/, -0.6/]$ (< 0.001)					
Publication Reference(s) based on the study: Horak et al. – Br J Clin Pharmacol 2005; 60: 24-31					
Date of Report . 3-Jul-2007					