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Sponsor/company:	sanofi-aventis	ClinialTrials.gov Identifier:	NCT00336921	
		Study Code:	L_9645	
Generic drug name:	Alfuzosin	Date:	30 June 2008	

Title of the study:	A double-blind, randomized, parallel group study with alfuzosin 10mg OD versus placebo in the return to successful voiding in patients with a first episode of acute urinary retention due to benign prostatic hyperplasia (L_9645)		
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Study period:				Phase of development:	
Date first patient/subject e	nrolle	d: 08-02-200	06	Phase II	
Date last patient/subject co	omple	eted: 12-04-200	7		
Objectives:	The primary objective of the study is to assess the efficacy of alfuzosin 10mg OD in the return to successful voiding after removal of the catheter following a first episode of acute urinary retention in patients suffering from benign prostatic hyperplasia. Successful voiding is defined as a return to spontaneous voiding as determined by patient's assessment at 24h following catheter removal without re-catheterization.				
	The secondary objective of the study is to evaluate the safety of alfuzosin 10mg OD		OD		
Methodology:	multicenters, randomized, double-blind, placebo controlled, parallel group study				
Number of	Pla	nned: 240	Randomized: 163		Treated: 81

patients/subjects:



Evaluated:	Efficacy:	Safety:	Pharmacokinetics:		
	Percentage of patients with	General clinical safety: spontaneous reported adverse events;	NA		
	successful voiding after catheter removal on D3/D4	Cardiovascular safety: changes in vital signs parameters: BP and HR measured in a supine position after 10 minutes rest and after 2 minutes in a standing position;			
		Postural hypotension is defined as a fall in SBP≥20mmHg when standing up compared with that recorded in a supine position;			
		Laboratory safety: standard laboratory tests, but only at baseline.			
Diagnosis and criteria	Males aged 50-75 years;				
for inclusion:	Presenting with a first episode of painful acute urinary retention related to benign prostatic hyperplasia and with a residual volume between 500ml and 1500ml obtained at the time of catheterization and during the first one hour after catheterization.				
Investigational product:	Alfuzosin 10mg OD tablet				
Dose:	10mg				
Administration:	Alfuzosin group: ora	route, 1 tablet (10mg) daily at the end of the evening meal			
Duration of treatment:		Duration of observation:			
3 days (2 days during cathe after catheter removal)	eterization, 1 day	3 to 4 days			
Reference therapy:	Placebo, matching tablet				
Dose:	no				
Administration:	Placebo group: oral route, 1 tablet daily at the end of the evening meal				
Criteria for evaluation:					
Efficacy:	Efficacy:				
	Percentage of patier	nts with successful avoiding after catheter removal on D3/D4	4		
Safety:	General clinical safety: AEs reported by the patients;				
	Cardiovascular safety: changes in vital signs parameters; blood pressure and heart rate means a supine position after 10 minutes rest and after 2 minutes in a standing position. If hypotension is defined as a fall in systolic blood pressure ≥20mmHg when standing up convite that recorded in a supine position.		ng position. Postural		
	Laboratory safety: standard hematology and blood chemistry, but only at baseline.				
Pharmacokinetics:	NA				
Pharmacokinetic sampling times and bioanalytical methods:	NA				



Statistical methods:	Efficacy: The primary analysis of efficacy is performed on the ITT population. The main analysis of the primary endpoint (successful voiding after catheter removal: yes/no) is the comparison of treatment groups by applying a Chi-square test. The influence on the primary endpoint of 5 potential prognostic factors (age, retention urine volume at D0, active urinary tract infection at D0, constipation and fluid consumption) is tested using logistic regression methods.
	Safety: The analysis of safety data are performed on the exposed population. The number of patients experiencing a treatment emergent adverse event and more particularly a vasodilatory treatment emergent adverse event are summarized by treatment group. Cardiovascular safety focus on the detection of potentially clinically significant abnormalities (PCSA) and of vital signs. In addition, descriptive statistics is provided by treatment group for each parameter.
Summary:	the sample's expiry date was August 2007, and the weather was summer, less patient was recruited, so we close the study, the total randomized patients number is 163, the treated patient number is 81.
Efficacy results:	No significant difference was found between the two groups at enrollment in the efficacy-related indexes.
	In the ITT population the percentage of successful voiding after catheter removal is 71.25% with alfuzosin 10mg OD and 64.63% with placebo [95% CI of the difference between the two groups is7.7176 and CI_U_20.9493. In addition, The same result is demonstrated in Per-protocol analysis (PPS) group and the rate of successful voiding after catheter removal is 70.13% with alfuzosin and 62.82%with placebo [95% CI of the difference between the two groups7.5074 and CI_U_22.1261].
	The residual urine volume of patients who succeeded in removing urethral catheter was measured. Among FAS (Full Analysis Set) group, mean (SD) of Residual urine volume in the patients successful voiding after catheter removal is 44.07(39.12) ml in the treatment group and 35.02(29.47)ml in the control group, and the value of rank sum test is 1.31(P= 0.2520). In the PPS group, the result is 41.66(37.28) ml in the treatment group and 32.69(26.77)ml in the control group, and the value of rank sum test is 1.35 (P= 0.2451). There is no significant difference between the treatment group and the control group.
Safety results:	There are overall 162 subject exposed to study drugs, including 80 cases in the treatment group and 82 cases in the control group. There are respectively 10 AE cases with alfuzosin (12.5%) and 4 AE cases (4.9%) with placebo. There were 3 cases with dizziness, I cases with flush in placebo group and 6 cases with dizziness, 2
	cases with drowsiness, 2 cases with discomfort in upper abdomen in Afuzosin group. No serious adverse event occurred in the study and no adverse event resulted in drop-out. No obvious difference was noticed in SBP, DBP and heart rate of the two groups before and after treatment.
Date of report:	20 September 2007