3 SYNOPSIS

Name of Sponsor:	Individual study table referring to part	(For national authority use only)
Astellas Pharma Europe	of the dossier	
B.V.		
Name of finished product:	Volume:	
YM178		
Name of active ingredient:	Page:	
YM178	1 480.	
111170		
Title of study:	A randomized, double-blind, parallel gr	your, proof of concept study of VM178
The or study.	in comparison with placebo and toltero	
	overactive bladder.	ame in patients with symptomatic
(T-4		
(International) Study No:	178-CL-008	
		(IIII)
Principal or Coordinating	BSc, MD, FRCS	(UK)
Investigator:		
Study site(s):	Multinational, multicenter.	
Publication (reference):	Not applicable at the time of this report	
Study period:	Q2 2004 – Q1 2005	
Clinical Phase:	Phase II	
Objectives:	Primary aim:	
Objectives:	Primary aim:1. To evaluate the efficacy of YM178	in patients with overactive bladder
Objectives:	1. To evaluate the efficacy of YM178	
Objectives:		
Objectives:	1. To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims:	•
Objectives:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability 	•
Objectives:	1. To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims:	ty of YM178 in patients with OAB in
Objectives:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 	ty of YM178 in patients with OAB in
Objectives:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability and tolerability. 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). tty of YM178 with tolterodine 4 mg od.
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerabilic comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability of the comparison with placebo. To compare the perfect the safety and tolerability of the comparison with placebo. 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Itics data in patients with OAB.
Objectives: Methodology:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerabilic comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability and tolerability. To collect population pharmacokine. This was a multinational, multicenter, described to the control of the contr	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Itics data in patients with OAB. Ouble-blind, double-dummy,
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerabilic comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacoking. This was a multinational, multicenter, of randomized, parallel group, placebo and 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Stics data in patients with OAB. Ouble-blind, double-dummy, diactive controlled Phase II proof-of-
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Itics data in patients with OAB. Ouble-blind, double-dummy, diactive controlled Phase II proof-of-to a single-blind, 2-week placebo run-
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were randomized. 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Itics data in patients with OAB. Ouble-blind, double-dummy, a active controlled Phase II proof-of-to a single-blind, 2-week placebo runized to 4 weeks of double-blind
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of the content of the property of the content of the content	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Itics data in patients with OAB. Ouble-blind, double-dummy, d active controlled Phase II proof-of- ito a single-blind, 2-week placebo run- ized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of tolterodine 4 mg od. Subsequently, patients.) 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. It is data in patients with OAB. Ouble-blind, double-dummy, discrive controlled Phase II proof-of-to a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of the content of the property of the content of the content	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. It is data in patients with OAB. Ouble-blind, double-dummy, dactive controlled Phase II proof-of-to a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional ment. There were 6 visits in total:
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of tolterodine 4 mg od. Subsequently, pating 2 weeks with single-blind placebo treat 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Its odd at in patients with OAB. Ouble-blind, double-dummy, dactive controlled Phase II proof-of-to a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional ment. There were 6 visits in total: after the 2-week placebo run-in, Visits
·	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of tolterodine 4 mg od. Subsequently, pating 2 weeks with single-blind placebo treat Visit 1 at enrolment, Visit 2 (baseline) and tolerability. 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Its odd at in patients with OAB. Ouble-blind, double-dummy, dactive controlled Phase II proof-of-to a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional ment. There were 6 visits in total: after the 2-week placebo run-in, Visits
Methodology:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of tolterodine 4 mg od. Subsequently, pating 2 weeks with single-blind placebo treat Visit 1 at enrolment, Visit 2 (baseline) and 5 after 1, 2 and 4 weeks of down Visit 6 after a 2-week follow-up. 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Itics data in patients with OAB. Ouble-blind, double-dummy, diactive controlled Phase II proof-of-ito a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional ment. There were 6 visits in total: after the 2-week placebo run-in, Visits ble-blind treatment, respectively, and
Methodology: Number of subjects:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of tolterodine 4 mg od. Subsequently, pating 2 weeks with single-blind placebo treat Visit 1 at enrolment, Visit 2 (baseline) and 5 after 1, 2 and 4 weeks of dour Visit 6 after a 2-week follow-up. It was planned to randomize 240 patient 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Its odd at in patients with OAB. Ouble-blind, double-dummy, dactive controlled Phase II proof-of-to a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional ment. There were 6 visits in total: after the 2-week placebo run-in, Visits
Methodology:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178 To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of the randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were randomite treatment with YM178 (100 mg twice of tolterodine 4 mg od. Subsequently, pating 2 weeks with single-blind placebo treat Visit 1 at enrolment, Visit 2 (baseline) and 3, 4 and 5 after 1, 2 and 4 weeks of dou Visit 6 after a 2-week follow-up. It was planned to randomize 240 patient (50 per treatment arm).	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Itics data in patients with OAB. Ouble-blind, double-dummy, diactive controlled Phase II proof-of-ito a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional ment. There were 6 visits in total: after the 2-week placebo run-in, Visits ble-blind treatment, respectively, and
Methodology: Number of subjects:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178. To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of tolterodine 4 mg od. Subsequently, pating 2 weeks with single-blind placebo treat Visit 1 at enrolment, Visit 2 (baseline) and 5 after 1, 2 and 4 weeks of down Visit 6 after a 2-week follow-up. It was planned to randomize 240 patien (50 per treatment arm). Populations analyzed: 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. It is data in patients with OAB. Ouble-blind, double-dummy, diactive controlled Phase II proof-of-ito a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional ment. There were 6 visits in total: after the 2-week placebo run-in, Visits ble-blind treatment, respectively, and its to have at least 200 evaluable patients
Methodology: Number of subjects:	 To evaluate the efficacy of YM178 (OAB) in comparison with placebo. Secondary aims: To evaluate the safety and tolerability comparison with placebo. To compare the efficacy of YM178. To compare the safety and tolerability. To collect population pharmacokine. This was a multinational, multicenter, of randomized, parallel group, placebo and concept study. Patients were enrolled in in period after which they were random treatment with YM178 (100 mg twice of tolterodine 4 mg od. Subsequently, pating 2 weeks with single-blind placebo treat Visit 1 at enrolment, Visit 2 (baseline) and 5 after 1, 2 and 4 weeks of down Visit 6 after a 2-week follow-up. It was planned to randomize 240 patien (50 per treatment arm). Populations analyzed: Safety population (SAF) N=260; Full 	ty of YM178 in patients with OAB in with tolterodine 4 mg once daily (od). Ity of YM178 with tolterodine 4 mg od. Itics data in patients with OAB. Ouble-blind, double-dummy, diactive controlled Phase II proof-of-ito a single-blind, 2-week placebo runized to 4 weeks of double-blind laily [bid] and 150 mg bid), placebo or ents were followed for an additional ment. There were 6 visits in total: after the 2-week placebo run-in, Visits ble-blind treatment, respectively, and

Name of Sponsor:	Individual study table referring to part	(For national authority use only)
Astellas Pharma Europe	of the dossier	
B.V.		
Name of finished product:	Volume:	
YM178		
Name of active ingredient:	Page:	
YM178	-	

Diagnosis and main criteria	At ctudy entry		
for inclusion:	 • Male or female patient aged ≥ 18 years with symptoms of OAB (urinary 		
ioi inclusion.			
	frequency and urgency with or without incontinence) for ≥ 3 months.		
	Willing to give written informed consent.		
	At randomization:		
	• Patients had to have a micturition frequency of ≥ 8 times per 24-hours on		
	average during the 3-day micturition diary period preceding Visit 2.		
	Patients also had to have at least 3 episodes of urgency (grade 3 or 4), with		
	or without incontinence, during the 3-day micturition diary period.		
Test product	YM178 50 mg and 100 mg tablets		
Doses:	100 mg and 150 mg bid		
Mode of administration:	Oral, with food		
Batch numbers:	YM178 50 mg tablets: ; YM178 100 mg tablets:		
Duration of treatment:	2-week single-blind placebo run-in period, followed by a 4-week double-blind		
	treatment, and a 2-week single-blind placebo follow-up period.		
Reference therapy	Tolterodine 4 mg MR capsules (Detrusitol® 4 mg XL)		
	Placebo		
Dose:	Tolterodine: 4 mg od		
Mode of administration:	Oral, with food		
Batch numbers:	Placebo matching YM178 50 mg tablets:		
	Placebo matching YM178 100 mg tablets:		
	Placebo tolterodine capsules:		
	Tolterodine 4 mg MR capsules (Detrusitol® 4 mg XL):		
Criteria for evaluation	Primary efficacy variable:		
Efficacy:	Change from baseline in mean number of micturitions/24 hours		
	Secondary efficacy variables:		
	 Change from baseline in mean volume voided per micturition 		
	• Change from baseline in mean number of incontinence episodes/24 hours		
	• Change from baseline in mean number of nocturia episodes/24 hours		
	Change from baseline in mean number of urge incontinence		
	episodes/24 hours		
	 Change from baseline in mean number of urgency episodes/24 hours 		
	Change from baseline in severity of urgency		
	Change from baseline in patient perception of bladder condition		
	Patient perception of treatment benefit		
Safety:	7.1.		
Durety.	 Incidence and severity of adverse events (AEs). Vital signs: sitting systolic and diastolic blood pressure and pulse rate. 		
	• Laboratory tests: hematology, biochemistry, urinalysis and urine culture.		
	• 12-lead electrocardiogram (ECG) parameters.		
	Post-void residual volume (PVR), as measured by ultra-sonography or		
	bladder scan.		
Population pharmacokinetics:	Population pharmacokinetics data was generated from a timed blood sampling		
nhowmood ringtions	scheme at Visits 4 and 5.		

Name of Sponsor:	Individual study table referring to part	(For national authority use only)
Astellas Pharma Europe	of the dossier	
B.V.		
Name of finished product:	Volume:	
YM178		
Name of active ingredient:	Page:	
YM178	_	

YM178			
Statistical methods:	Continuous variables were summarized using descriptive statistics (mean, standard deviation [SD], minimum, median, maximum). Categorical variables were described using absolute and relative frequency.		
Primary efficacy analysis	The primary analysis was performed on the change from baseline to endpoint in mean number of micturitions per 24 hours as derived from the micturition diary for the FAS. Changes from baseline to endpoint in mean number of micturitions per 24 hours were subjected to Analysis of Covariance (ANCOVA) with treatment as a fixed factor, and center as a random factor. Baseline was included in the model as covariate. Comparison of any of the active doses to placebo as well as YM178 versus tolterodine was tested at the two-sided significance level 0.05 by means of the corresponding contrast.		
Secondary efficacy analysis	The analysis as described for the primary efficacy variable was also performed on the PPS. A repeated measure analysis was performed to evaluate the data over time. A mixed models approach for repeated measures data was performed. Furthermore, the same analyses as described above (ANCOVA, endpoint and repeated measures) were applied to the secondary efficacy variables urgency, incontinence and nocturia episodes and mean volume voided per micturition. PBC and patient perception of treatment benefit were subjected to a logistic regression analysis.		
Safety	Safety was analyzed descriptively.		
Summary of Results			
Efficacy results:	The primary efficacy analysis showed a statistically significant reduction of micturition frequency following treatment with 100 mg and 150 mg YM178 bid compared to placebo. The estimated active-placebo difference was 1.0 for both treatment groups. The estimated treatment difference from placebo in the tolterodine 4 mg od treatment group was 0.4 micturitions per 24 hours. Treatment with YM178 was statistically significantly superior to placebo with respect to the secondary efficacy variables mean volume voided per micturition (YM178 150 mg bid), and the mean number of (urge) incontinence episodes (YM178 100 mg bid), nocturia episodes (YM178 100 mg bid), and urgency episodes per 24 hours. An early onset of efficacy was visible with approximately two-thirds of the efficacy obtained after 4 weeks already achieved after 2 weeks. Overall, YM178-treated patients showed larger changes versus baseline than patients treated with tolterodine. No consistent differences and dose-response relationship were found between the 100 mg and 150 mg YM178 bid dose groups.		
	For most variables the de-challenge in the placebo follow-up period confirmed the existence of a YM178 treatment effect in the double-blind treatment period. The results from the primary efficacy analysis were confirmed in the PPS, and in sensitivity analyses, which shows the robustness of the results.		

Name of Sponsor:	Individual study table referring to part	(For national authority use only)
Astellas Pharma Europe	of the dossier	
B.V.		
Name of finished product:	Volume:	
YM178		
Name of active ingredient:	Page:	
YM178		

11/11/6					
Efficacy results (cont'd):	The estimated differences to placebo and the corresponding p-values for the change from baseline for the primary and secondary efficacy variables at endpoint are shown below for the FAS. Statistically significant p-values ($p \le 0.05$) are marked with an asterisk (*).				
	Placebo	YM178 100 mg bid	YM178 150 mg bid	Pooled YM178 group	Tolterodine 4 mg od
Micturitions/24 h					
FAS	N=64	N=65	N=63	N=128	N=63
Baseline mean (SD)	12.34 (3.51)	11.30 (2.65)	12.25 (3.62)	11.77 (3.19)	11.00 (3.06)
Change from baseline ^a	-1.32 (2.49)	-2.00 (1.76)	-2.30 (2.12)	-2.15 (1.95)	-1.27 (1.99)
Estimated difference ^b		-1.016	-1.031	-1.022	-0.399
(p-value)		0.0047*	0.0047*	0.0004*	0.2332
Mean volume voided/mictur	rition (mL)				
FAS	N=64	N=65	N=63	N=128	N=63
Baseline mean (SD)	151.79 (58.34)	164.65 (62.86)	150.67 (53.49)	157.77 (58.63)	179.85 (65.21)
Change from baseline ^a	10.86 (35.99)	26.71 (51.20)	32.44 (47.67)	29.53 (49.38)	23.24 (42.18)
Estimated difference ^b		15.56	22.25	18.81	13.10
(p-value)		0.052	0.012*	0.0063*	0.1038
Incontinence episodes/24 h					
FAS	N=41	N=37	N=41	N=78	N=41
Baseline mean (SD)	2.41 (1.69)	2.50 (2.53)	3.57 (3.47)	3.06 (3.08)	2.95 (2.52)
Change from baseline ^a	-0.80 (1.47)	-2.01 (2.30)	-1.96 (2.64)	-1.98 (2.47)	-1.70 (2.26)
Estimated difference ^b		-1.156	-0.568	-0.806	-0.612
(p-value)		0.0081*	0.1460	0.0133*	0.1004
Nocturia episodes/24h					
FAS	N=57	N=58	N=54	N=112	N=58
Baseline mean (SD)	1.88 (1.16)	1.84 (0.97)	1.92 (1.08)	1.88 (1.02)	1.84 (1.08)
Change from baseline ^a	-0.25 (0.93)	-0.59 (0.73)	-0.42 (0.83)	-0.51 (0.78)	-0.37 (0.87)
Estimated difference ^b		-0.388	-0.171	-0.274	-0.196
(p-value)		0.0086*	0.2124	0.0218*	0.1547
Urge incontinence episodes/			T	T	T
FAS	N=40	N=37	N=39	N=76	N=39
Baseline mean (SD)	2.10 (1.54)	2.41 (2.50)	3.47 (3.39)	2.95 (3.02)	2.70 (2.11)
Change from baseline ^a	-0.78 (1.43)	-1.92 (2.28)	-1.89 (2.70)	-1.90 (2.49)	-1.55 (1.89)
Estimated difference ^b		-0.968	-0.353	-0.646	-0.44
(p-value)		0.0267*	0.3634	0.0445*	0.2312

Name of Sponsor:	Individual study table referring to part	(For national authority use only)
Astellas Pharma Europe	of the dossier	
B.V.		
Name of finished product:	Volume:	
YM178		
Name of active ingredient:	Page:	
YM178		

FAS	N=63	N=65	N=62	N=127	N=63
Baseline mean (SD)	5.83 (3.39)	5.52 (3.47)	6.58 (4.34)	6.03 (3.94)	5.55 (3.64)
Change from baseline ^a	-1.01 (3.03)	-2.19 (3.01)	-2.55 (3.80)	-2.37 (3.41)	-1.98 (2.84)
Estimated difference ^b		-1.268	-1.271	-1.278	-1.087
(p-value)		0.0363*	0.0363*	0.0048*	0.038*
^a Changes expressed as mean (SD) change at endpoint b Estimated difference versus placebo					
The percentage of patients classified as responder with respect to patients'					
assessment of treatment benefit and patient's perception of bladder condition					
were statistically significantly higher compared to placebo for both YM178					
groups and the YM178 150 mg bid group, respectively.					

Safety results:

The incidence of patients with treatment emergent AEs was 36.4% in the placebo treatment group, 40.0% and 38.5% with 100 mg and 150 mg YM178 bid, respectively, and 48.4% in the tolterodine 4 mg od treatment group. There were no deaths during the study.

Four patients had a treatment-emergent SAE. These SAEs were mild rash during double-blind treatment with 4 mg tolterodine od (probably related to treatment with the study medication); moderate angina pectoris (possibly related) during the double-blind treatment with placebo; moderate tiredness during the placebo follow-up period following double-blind treatment with YM178 100 mg bid (not related); and moderate rotator cuff syndrome (not related) during the placebo follow-up period following double-blind treatment with placebo.

The proportion of patients that discontinued because of treatment-emergent AEs was 1 (1.5%) in the placebo group, 3 (4.6%) and 5 (7.7%) in the 100 mg and 150 mg YM178 bid treatment group, respectively, and 2 (3.1%) in the tolterodine 4 mg od treatment group. No single AE preferred term led to discontinuation from the double-blind treatment period of more than 1 patient in any treatment group. However, 3 patients in the YM178 mg bid group discontinued prematurely due to a mild or moderate skin reaction (i.e., urticaria, rash, and allergic exanthem).

The most commonly reported AEs during the double-blind treatment period were gastrointestinal AEs (dry mouth, nausea, vomiting, and diarrhea) and headache. The incidence of gastrointestinal AEs and headache was highest in the tolterodine treatment group (23.4% and 9.4%, respectively), intermediate in the YM178 treatment group (13.8% and 6.9%, respectively), and lowest in the placebo treatment group (3.0% both). Dizziness and palpitations tended to be more commonly reported with YM178 treatment compared with placebo or tolterodine (i.e., reported by 3.1% of the patients in the pooled YM178 group). Most of these AEs were considered treatment-related by the investigator.

Name of Sponsor:	Individual study table referring to part	(For national authority use only)	
Astellas Pharma Europe	of the dossier		
B.V.			
Name of finished product: YM178	Volume:		
Name of active ingredient: YM178	Page:		
111170		I.	
	Two patients had a treatment-emergent AE of severe intensity, both judged as possibly related to the study medication. These AEs were headache during double-blind placebo treatment, and increased hepatic enzymes during treatment with 150 mg YM178 bid. All other AEs were of mild or moderate intensity. The YM178 150 mg bid dose appeared to cause a small (approximately 5 bpm) mean increase from baseline in pulse rate. This was however not associated with a clinically significant increase in AEs such as tachycardia and		
	palpitations. There were no clinically relevant effect pressure, ECG, laboratory safety param PVR.	s on systolic and diastolic blood neters, physical examination findings, or	
Population	The population pharmacokinetic analys	is and results are described in a separate	
pharmacokinetics:	report.	1	
Overall Conclusion:	The consistent positive effects of YM17	78 treatment on the various symptoms	
	placebo (36.4%) and the 4 mg tolterodi: were no SAEs related to YM178 treatm AEs during treatment with YM178 was The most common AEs reported during	00 mg and 150 mg YM178 bid results ients. This is confirmed by the patients' ients' perception of bladder condition. Ited, with no clinically relevant g YM178 bid in AE profile. The nt (39.2%) was intermediate between the ne od treatment group (48.4%). There nent. The discontinuation rate because of a low (6.2%). Ited to the double-blind treatment period were an another work and the somewhat more commonly reported double with placebo or tolterodine. The vast the intensity. The profile intensity is a significant displaying the placebo with a significant displaying treatment on blood pressure, ECG, examination findings, or on PVR. Ilicate that proof-of-concept is achieved	
Date of the report:	Final Version, 14 December 2006 Reissued Version, 18 July 2011		