EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

Ariclaim

Procedural steps taken and scientific information after the authorisation

Application number	Scope	Opinion / Notification [1] issued on	Commission Decision issued [2] / amended on	Product Information affected [3]	Summary
IG/0759/G	This was an application for a group of variations. B.III.1.b.2 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - New certificate for a starting material/reagent/intermediate/or excipient from a new or an already approved manufacturer B.III.1.b.2 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability -	11/01/2017	n/a		

[1] Notifications are issued for type I variations and Article 61(3) notifications (unless part of a group including a type II variation or extension application or a worksharing application). Opinions are issued for all other procedures.
[2] A Commission decision (CD) is issued for procedures that affect the terms of the marketing authorisation (e.g. summary of product characteristics, annex II, labelling, package leaflet). The CD is issued within two months of the opinion for variations falling under the scope of Article 23.1a(a) of Regulation (EU) No. 712/2012, or within one year for other procedures.
[3] SmPC (Summary of Product Characteristics), Annex II, Labelling, PL (Package Leaflet).

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	New certificate for a starting material/reagent/intermediate/or excipient from a new or an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer				
N/0066	Minor change in labelling or package leaflet not connected with the SPC (Art. 61.3 Notification)	09/12/2016		Labelling	
WS/1015	This was an application for a variation following a worksharing procedure according to Article 20 of Commission Regulation (EC) No 1234/2008. To update the RMP to add a new Observational Study to Assess Maternal and Fetal Outcomes Following Exposure to Duloxetine (F1J-MC-B057), and to update the plans for the existing pregnancy registry (F1JMC-B034) in section III.4.3 of the RMP. C.I.11.b - Introduction of, or change(s) to, the obligations and conditions of a marketing authorisation, including the RMP - Implementation of change(s) which require to be further substantiated	13/10/2016	n/a		

	by new additional data to be submitted by the MAH where significant assessment is required				
IG/0664	B.I.a.1.f - Change in the manufacturer of AS or of a starting material/reagent/intermediate for AS - Changes to quality control testing arrangements for the AS -replacement or addition of a site where batch control/testing takes place	25/02/2016	n/a		
IG/0662	A.1 - Administrative change - Change in the name and/or address of the MAH	23/02/2016	14/07/2016	SmPC, Labelling and PL	
WS/0758	This was an application for a variation following a worksharing procedure according to Article 20 of Commission Regulation (EC) No 1234/2008. Update of section 4.8 of the SmPC in order to add microscopic colitis with frequency category 'rare' as a new ADR identified from post marketing experience. The Package Leaflet is updated accordingly. In addition, the Worksharing applicant took the opportunity to make minor editorial changes in the SmPC and PL and to update the local representative for Italy in the Package Leaflet for Xeristar. Moreover, the Worksharing applicant took the opportunity to correct the stated mass of sucrose in capsule in section 2 of the SmPC. C.I.4 - Change(s) in the SPC, Labelling or PL due to new quality, preclinical, clinical or pharmacovigilance data	09/07/2015	14/07/2016	SmPC and PL	

PSUSA/1187/201408	Periodic Safety Update EU Single assessment - duloxetine	26/03/2015	27/05/2015	SmPC and PL	Refer to Scientific conclusions and grounds recommending the variation to terms of the Marketing Authorisation(s)' for PSUSA/1187/201408.
IG/0472	B.II.d.2.a - Change in test procedure for the finished product - Minor changes to an approved test procedure	18/08/2014	n/a		
IG/0457/G	This was an application for a group of variations. B.III.1.b.2 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - New certificate for a starting material/reagent/intermediate/or excipient from a new or an already approved manufacturer B.III.1.b.2 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - New certificate for a starting material/reagent/intermediate/or excipient from a new or an already approved manufacturer B.III.1.b.2 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - New certificate for a starting material/reagent/intermediate/or excipient from a new or an already approved manufacturer B.III.1.b.2 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - New certificate for a starting material/reagent/intermediate/or excipient from a new or an already approved manufacturer B.III.1.b.2 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - New certificate for a starting material/reagent/intermediate/or excipient from a	14/07/2014	n/a		

	new or an already approved manufacturer B.III.1.b.2 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - New certificate for a starting material/reagent/intermediate/or excipient from a new or an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved				

	manufacturer B.III.1.b.3 - Submission of a new/updated or deletion of Ph. Eur. TSE Certificate of Suitability - Updated certificate from an already approved manufacturer				
IG/0383	A.4 - Administrative change - Change in the name and/or address of a manufacturer or an ASMF holder or supplier of the AS, starting material, reagent or intermediate used in the manufacture of the AS or manufacturer of a novel excipient	06/12/2013	n/a		
WS/0444	This was an application for a variation following a worksharing procedure according to Article 20 of Commission Regulation (EC) No 1234/2008. Update of sections 4.4 and 4.5 of the SmPC to introduce a description of the signs and symptoms of 'serotonin syndrome' and provided an updated list of examples of MAOIs and serotonergic agents. These changes have been proposed by PRAC and endorsed by the CHMP. The Package Leaflet was updated accordingly. C.I.z - Changes (Safety/Efficacy) of Human and Veterinary Medicinal Products - Other variation	24/10/2013	10/10/2014	SmPC and PL	This variation updated the product information with details of a condition called serotonin syndrome which may occur when medicines acting on the serotonin system in the brain are given concomitantly. Examples of such medicines have been also provided and included in the product information. These changes have been proposed by Pharmacovigilance Risk Assessment Committee (PRAC) and endorsed by the Committee for Medicinal Products for Human Use (CHMP).
IG/0321	C.I.z - Changes (Safety/Efficacy) of Human and Veterinary Medicinal Products - Other variation	17/07/2013	n/a		
WS/0334/G	This was an application for a group of variations following a worksharing procedure according to Article 20 of Commission Regulation (EC) No	30/05/2013	01/07/2013	SmPC, Annex II and PL	The MAH conducted an updated review of ADR. As a result of this analysis a number of changes to the PI were introduced. The following new ADRs were added to section

	1234/2008. Scope (Ariclaim) The variations introduced several updates to different sections of the SmPCs of Ariclaim, Cymbalta Xeristar and Yentreve, following the assessment of the data acquired form the performed database analysis of observed ADRs, and the data from the performed two studies in the paediatric population. The changes were specific for the different products, according to the indications they were licensed for. For Ariclaim the updates included: Update to sections 4.4, 4.8 of the SmPC in order to remove the statement that no clinical trials have been conducted in paediatric population, to add the adverse events (AEs) 'dysphagia' and 'pollakiuria', and to update the description of sensory disturbances as requested by the CHMP further to the assessment of PSUR 11. Update of section 4.8 of the SmPC to add the AE 'testicular pain' and to reflect the increased reporting frequency of the adverse event 'falls'. Update to the list of the most commonly reported discontinuation symptoms in Section 4.8c:'Description of selected adverse reactions' to include the term 'myalgia' and update the term 'sensory disturbances (including paraesthesia or electric shock-like sensations, particularly in the head)' as requested by the CHMP further to the assessment of the cumulative review of the cases with "electric shock-like sensations". Furthermore, the MAH used the opportunity to bring the PI in line with the QRD template version 8.3.				4.8 of the SmPC: 'dysphagia', 'testicular pain' (not relevant for YENTREVE) and 'pollakiuria'. The frequency for the ADR 'falls' was also updated. Additionally, the MAH updated the list of most commonly reported discontinuation symptoms to include "myalgia". The term "sensory disturbances (including paresthesia)" was changed to "sensory disturbances (including paresthesia or electric shock-like sensations, particularly in the head)". Additionally, the data from two completed studies of duloxetine in paediatric patients with major depressive disorder were available for analysis and resulted in a number of other changes to the PI. The wording of Section 4.2 – Posology and Method of Administration, describing the fact that duloxetine should not be used in children and adolescents was updated to read: "Duloxetine should not be used in children and adolescents under the age of 18 years for the treatment of major depressive disorder because of safety and efficacy concerns".

	The Package Leaflet was updated accordingly. Scope (Cymbalta) The variations introduced several updates to different sections of the SmPCs of Ariclaim, Cymbalta Xeristar and Yentreve, following the assessment of the data acquired form the performed database analysis of observed ADRs, and the data from the performed two studies in the paediatric population. The changes were specific for the different products, according to the indications they were licensed for. For Cymbalta the updates included: Update to sections 4.4, 4.8 of the SmPC in order to remove the statement that no clinical trials have been conducted in paediatric population, to add the adverse events (AEs) 'dysphagia' and 'pollakiuria', and to update the description of sensory disturbances as requested by the CHMP further to the assessment of PSUR 11. Update of section 4.8 of the SmPCs, to add the AE 'testicular pain' and to reflect the increased reporting frequency of the adverse event 'falls'. Update to the list of the most commonly reported discontinuation symptoms in Section 4.8c:'Description of selected adverse reactions' to include the term 'myalgia' and update the term 'sensory disturbances (including paraesthesia or electric shock-like sensations, particularly in the head)' as requested by the CHMP further to the assessment of the cumulative review of the cases with "electric shock-like sensations". Update of sections 4.2, 4.8 and 5.1 with text reflecting the results of two placebo-controlled trials				

	with 800 paediatric major depressive disorder (MDD) patients. Furthermore, the MAH used the opportunity to bring the PI in line with the QRD template version 8.3. The Package Leaflet was updated accordingly. Scope (Xeristar) The variations introduced several updates to different sections of the SmPCs of Ariclaim, Cymbalta Xeristar and Yentreve, following the assessment of the data acquired form the performed database analysis of observed ADRs, and the data from the performed two studies in the paediatric population. The changes were specific for the different products, according to the indications they were licensed for. For Xeristar the updates included: Update to sections 4.4, 4.8 of the SmPC in order to remove the statement that no clinical trials have been conducted in paediatric population, to add the adverse events (AEs) 'dysphagia' and 'pollakiuria', and to update the description of sensory disturbances as requested by the CHMP further to the assessment of PSUR 11. Update of section 4.8 of the SmPC, to add the AE 'testicular pain' and to reflect the increased reporting frequency of the adverse event 'falls'. Update to the list of the most commonly reported discontinuation symptoms in Section 4.8c:'Description of selected adverse reactions' to include the term 'myalgia' and update the term 'sensory disturbances (including paraesthesia or electric shock-like sensations, particularly in the head)' as requested by the CHMP further to the				

	assessment of the cumulative review of the cases with “electric shock-like sensations”. Update of sections 4.2, 4.8 and 5.1 with the results of two placebo-controlled trials with 800 paediatric major depressive disorder (MDD) patients. Furthermore, the MAH used the opportunity to bring the PI in line with the QRD template version 8.3. The Package Leaflet was updated accordingly. Scope (Yentreve) The variations introduced several updates to different sections of the SmPCs of Ariclaim, Cymbalta Xeristar and Yentreve, following the assessment of the data acquired form the performed database analysis of observed ADRs, and the data from the performed two studies in the paediatric population. The changes were specific for the different products, according to the indications they were licensed for. For Yentreve the updates included: Update to sections 4.4, 4.8 of the SmPC in order to remove the statement that no clinical trials have been conducted in paediatric population, to add the adverse events (AEs) ‘dysphagia’ and ‘pollakiuria’, and to update the description of sensory disturbances as requested by the CHMP further to the assessment of PSUR 11. Update to the list of the most commonly reported discontinuation symptoms in Section 4.8c:‘Description of selected adverse reactions’ to include the term ‘myalgia’ and update the term ‘sensory disturbances (including paraesthesia or electric shock-like sensations, particularly in the head)’ as requested by the CHMP further to the				

	assessment of the cumulative review of the cases with “electric shock-like sensations”. Furthermore, the MAH used the opportunity to bring the PI in line with the QRD template version 8.3. The Package Leaflet was updated accordingly. C.I.3.b - Implementation of change(s) requested following the assessment of an USR, class labelling, a PSUR, RMP, FUM/SO, data submitted under Article 45/46, or amendments to reflect a Core SPC - Change(s) with new additional data submitted by the MAH C.I.4 - Variations related to significant modifications of the SPC due in particular to new quality, pre-clinical, clinical or pharmacovigilance data				
IG/0239	B.III.2.a.1 - Change of specification('s) of a former non Pharmacopoeial substance to comply with the Ph. Eur. or with a national pharmacopoeia of a Member State - AS	28/11/2012	n/a		
IG/0178	A.7 - Administrative change - Deletion of manufacturing sites	11/05/2012	n/a		
WS/0181/G	This was an application for a group of variations following a worksharing procedure according to Article 20 of Commission Regulation (EC) No 1234/2008. Changes in testing of the active substance B.I.b.2.c - Change in test procedure for AS or starting material/reagent/intermediate - Other	17/11/2011	17/11/2011		

	changes to a test procedure for a reagent, which does not have a significant effect on the overall quality of the AS B.I.b.2.e - Change in test procedure for AS or starting material/reagent/intermediate - Other changes to a test procedure (including replacement or addition) for the AS or a starting material/intermediate				
WS/0135	This was an application for a variation following a worksharing procedure according to Article 20 of Commission Regulation (EC) No 1234/2008. This variation application followed a worksharing procedure according to Article 20 of Commission Regulation (EC) No 1234/2008 and concerned: - Update of the SmPC section 4.4 to include NSAIDS and ASA as examples of antiplatelet agents. - Update of the SmPC section 4.8 to include terms 'menstrual disorder', 'blood potassium increased', 'dry eye' and 'falls' to the tabulated summary of adverse reactions and to add 'somnolence' to the list of most commonly reported withdrawal symptoms. A footnote "falls were more common in the elderly (more than 65 years old)" was added to 'falls'. Additionally frequencies of some currently listed ADRs were changed. These updates were based on the most recent CCDS from February 2011. The Package Leaflet has been updated accordingly. Furthermore, minor editorial changes were also introduced to the product information. C.I.4 - Variations related to significant modifications	23/06/2011	18/08/2011	SmPC and PL	In this variation sections of the product information which provide information on precautions one should take before taking duloxetines were updated with examples of medicines that prevent the blood from clotting, e.g. non steroidal anti-inflammatory drugs and acetylsalicylic acid. New information was also added to the sections of the product information describing possible side effects, for example: menstrual disorder, increase in blood potassium levels, dry eye and falls. Somnolence was added to the list of most commonly reported withdrawal symptoms. It was also mentioned that the patients older than 65 years might experience falls more often. In addition, frequencies of several side effects were updated.

	of the SPC due in particular to new quality, pre-clinical, clinical or pharmacovigilance data				
IA/0046/G	This was an application for a group of variations. C.I.9.i - Changes to an existing pharmacovigilance system as described in the DDPS - Change(s) to a DDPS following the assessment of the same DDPS in relation to another medicinal product of the same MAH C.I.9.e - Changes to an existing pharmacovigilance system as described in the DDPS - Changes in the major contractual arrangements with other persons or organisations involved in the fulfilment of pharmacovigilance obligations and described in the DD	28/02/2011	n/a		
WS/0071	This was an application for a variation following a worksharing procedure according to Article 20 of Commission Regulation (EC) No 1234/2008. C.I.4 - Variations related to significant modifications of the SPC due in particular to new quality, pre-clinical, clinical or pharmacovigilance data	16/12/2010	01/02/2011	SmPC, Annex II, Labelling and PL	This variation updates the SmPC section 4.4 with the laboratory measure of the seriousness of low sodium levels in blood and underlines the fact that the elderly are at risk of low sodium levels. The Package Leaflet has been updated accordingly. Additionally, the contact details for the local representatives in Estonia for the Ariclaim, Cymbalta, Xeristar and Yentreve Package Leaflets have been updated.
IG/0031	A.4 - Administrative change - Change in the name and/or address of a manufacturer or supplier of the AS, starting material, reagent or intermediate used in the manufacture of the AS	17/12/2010	n/a		
WS/0011/G	This was an application for a group of variations following a worksharing procedure according to	22/07/2010	31/08/2010	SmPC and PL	This application was submitted for a group of variations consisting of two type 1B variations.

	Article 20 of Commission Regulation (EC) No 1234/2008. C.I.z - Changes (Safety/Efficacy) of Human and Veterinary Medicinal Products - Other variation C.I.3.a - Implementation of change(s) requested following the assessment of an USR, class labelling, a PSUR, RMP, FUM/SO, data submitted under A 45/46, or amendments to reflect a Core SPC - Changes with NO new additional data are submitted by the MAH				In the variation C.I.z the MAH updated the section 4.6 'Pregnancy and lactation' of the SmPC with symptoms and time to onset of neonatal drug withdrawal syndrome and added galactorrhoea and hyperprolactinaemia to section 4.8 'Undesirable effects' of the SmPC as the result of the assessment of PSUR-9. The Package Leaflet has been updated accordingly. In the variation C.I.3.a the MAH updated the section 'Pregnancy and lactation' of the Product Information following the class review for SSRIs/SNRIs to inform that when taken during pregnancy SSRI/SNRIs may increase the risk of persistent pulmonary hypertension in neonates. In addition the MAH introduced minor administrative, editorial and linguistic changes to the Product Information.
IB/0044	IB_35_b_Change in weight of coating/capsule shells - gastro-res., modif., prol. release ph. forms	24/11/2009	n/a		
IA/0045	To submit new, updated and unchanged TSE Ph. Eur. certificates of suitability for the gelatine used by the current authorised manufacturer of the capsules and for an alternative new suppplier. IA_22_a_Submission of TSE Ph. Eur. certificate for exc. - Approved/new manufacturer	24/11/2009	n/a		
IB/0043	IB_34_b_01_Change in colour/flavour - Increase or addition: colouring system	13/11/2009	n/a		
II/0040	Update of section 4.5 of the Summary of Product Characteristics to reflect the results of a recent duloxetine/warfarin interaction study (study F1J-MC-HMFP).	29/05/2009	30/06/2009	SmPC	Study F1J-MC-HMFP was an open-label study with the primary objective to evaluate the anticoagulant effects of multiple doses of warfarin when taken at the same time with multiple doses of duloxetine as measured by changes

	Furthermore, the term "adolescents" was included in section 4.2 of the SPC in order to align this section with the current QRD template. Update of Summary of Product Characteristics				in the international normalized ratio (INR). Increases in INR values were reported when duloxetine was co-administered with warfarin. However, concomitant administration of duloxetine with warfarin under steady state conditions, in healthy volunteers, as part of a clinical pharmacology study, did not result in a clinically significant change in INR from baseline or in the pharmacokinetics of warfarin.
R/0037	Renewal of the marketing authorisation.	23/04/2009	24/06/2009	SmPC, Annex II, Labelling and PL	Based on the review of the available information the CHMP is of the opinion that the quality, the safety and the efficacy of this medicinal product continues to be adequately and sufficiently demonstrated and therefore considers that the benefit/risk profile of Ariclaim continues to be favourable. The MAH will continue to submit a yearly PSUR. Within this application the MAH did not request the renewal of the 20 and 40 mg presentations of Ariclaim and therefore Ariclaim will no longer be indicated in the treatment of Stress Urinary Incontinence.
II/0039	to change the finished product specification. Quality changes	23/04/2009	27/04/2009		
IB/0041	IB_07_c_Replacement/add. of manufacturing site: All other manufacturing operations ex. batch release	27/04/2009	n/a		
IA/0042	IA_32_b_Change in batch size of the finished product - downscaling down to 10-fold	02/04/2009	n/a		

II/0036	Update of Sections 4.8 “Undesirable effects” and 4.9 “Overdose” of the Summary of Product Characteristics (SPC) to reflect the most recent clinical trial data findings of the 7th PSUR. The Package Leaflet (PL) was updated accordingly. In addition, this variation implements the outcome of a recent user testing of the PL of duloxetine-containing products. Update of Summary of Product Characteristics and Package Leaflet	19/02/2009	25/03/2009	SmPC and PL	A new data lock point for all placebo-controlled clinical studies resulted in a significant increase in the size of the overall database and thus a more robust basis for the determination of Adverse Drug Reactions (ADRs). As a consequence, the frequency of some ADRs was updated in the SPC. Regarding spontaneous data, the MAH identified one new ADR (“restless legs syndrome”) as well as new information on overdose in the most recent PSUR (PSUR 7) submitted in September 2008, and updated the SPC accordingly. Finally, the MAH has undertaken a user testing of the PL of duloxetine-containing products and the results of these were implemented in the PL.
II/0035	Update of sections 4.2 and 5.1 of the Summary of Product Characteristics (SPC) to reflect new data from a clinical study that investigated the maintenance of effect of duloxetine over 6 months of treatment. The opportunity is also taken to correct some minor typos in the SPC and Package Leaflet (PL). Update of Summary of Product Characteristics and Package Leaflet	22/01/2009	27/02/2009	SmPC and PL	Study ‘HMEM’ was designed to investigate the maintenance of effect of duloxetine 60 mg once daily in patients with Diabetic Peripheral Neuropathic Pain (DPNP) who responded to an initial 8 weeks of therapy. This variation application was submitted in order to update the SPC to reflect the results of study HMEM. The study demonstrated that, for patients who showed an initial response to DPNP therapy with duloxetine, the pain relief observed with duloxetine 60 mg is maintained over a 6-month period. The variation resulted in the following SPC wording: Section 4.2: [Diabetic Peripheral Neuropathic Pain Response to treatment should be evaluated after 2 months. In patients with inadequate initial response, additional response after

					this time is unlikely…] Section 5.1 […In an open-label long-term uncontrolled study, the pain reduction in patients responding to 8-weeks of acute treatment of ARICLAIM 60 mg once daily was maintained for a further 6-months as measured by change on the Brief Pain Inventory (BPI) 24-hour average pain item…]
IA/0038	IA_38_a_Change in test procedure of finished product - minor change to approved test procedure	24/02/2009	n/a		
IB/0033	IB_13_b_Change in test proc. for active substance - other changes (replacement/addition)	31/07/2008	n/a		
IB/0034	IB_33_Minor change in the manufacture of the finished product	24/07/2008	n/a		
IB/0032	IB_18_Replacement of an excipient with a comparable excipient	07/07/2008	n/a		
II/0030	Update of Summary of Product Characteristics sections 4.8, 4.9 and 4.6. The Package Leaflet has been updated accordingly. Update of Summary of Product Characteristics and Package Leaflet	19/03/2008	18/04/2008	SmPC and PL	The MAH following a search in their in-house clinical trial database as well as the post-marketing data from the spontaneous reporting has applied for changes in the section 4.8 "Undesirable effects" with the inclusion of new adverse drug reactions ("tinnitus", "gait disturbance", "poor quality sleep", "polyuria", "urine flow decreased", "sexual dysfunction" and "dermatitis contact") as well with the modification of the frequency in already known ones. In addition the cases for overdose have been reviewed and the wording has been modified in section 4.9 "Overdose" to include "coma" and "tachycardia" as symptoms of overdosing. The text was also amended to include signs

					and symptoms of overdosing observed with duloxetine alone or in combination with other medicinal products. The section 4.6 "Pregnancy and lactation" of the SPC has been harmonised for all duloxetine containing products. The Package Leaflet has been updated accordingly to reflect the changes.
IA/0031	IA_22_a_Submission of TSE Ph. Eur. certificate for exc. - Approved/new manufacturer	31/01/2008	n/a		
X/0026	Annex I_2.(c) Change or addition of a new strength/potency	18/10/2007	14/12/2007	SmPC, Labelling and PL	This application was to add 60 mg strength for the use of duloxetine in the treatment of Diabetic Peripheral Neuropathic Pain. The quality efficacy and safety data support a favourable benefit-risk ratio for this line extension.
X/0025	Annex I_2.(c) Change or addition of a new strength/potency	18/10/2007	14/12/2007	SmPC, Labelling and PL	This application was to add 30 mg strength for the use of duloxetine in the treatment of Diabetic Peripheral Neuropathic Pain. The quality efficacy and safety data support a favourable benefit-risk ratio for this line extension.
IB/0029	IB_02_Change in the name of the medicinal product	05/12/2007	n/a		
II/0024	Extension of indication to add 'Diabetic Peripheral Neuropathic Pain (DPNP) in adults' requiring update of sections 4.1, 4.2, 4.4, 4.5, 4.8, 5.1 and 5.2 of the SPC. In addition, editorial changes were implemented in other sections of the SPC as well as Labelling and PL according to the latest QRD template. Extension of Indication	18/10/2007	22/11/2007	SmPC, Labelling and PL	Please refer to Scientific Discussion: Ariclaim H-552-II-24 SD

IB/0027	IB_30_b_Change in supplier of packaging components - replacement/addition	30/08/2007	n/a		
II/0022	Update of section 4.8 of the Summary of Product Characteristics (SPC) regarding gastrointestinal bleedings and withdrawal symptoms, section 4.9 of the SPC regarding dosing and as requested by the CHMP and following discussions at the PhVWP to also update the wording on suicidality in section 4.4 of the SPC. The relevant sections of the Package Leaflet (PL) are amended accordingly. Update of Summary of Product Characteristics and Package Leaflet	19/07/2007	28/08/2007	SmPC and PL	Following the PSUR 4 (covering period 3 February 2006 to 2 August 2006) the MAH was requested to update the Product Information with the latest undesirable effects as well as the dosing of the product. In addition and following a meta-analysis published by the FDA regarding the suicidality of the patients administered duloxetine and further to scientific discussions at the PhVWP in June 2007 re-wording of that information has been performed in the section 4.4 of the SPC.
IA/0028	IA_09_Deletion of manufacturing site	21/08/2007	n/a		
IB/0020	IB_12_b_02_Change in spec. of active subst./agent in manuf. of active subst. - test parameter	08/06/2007	n/a		
IB/0023	IB_14_b_Change in manuf. of active substance without Ph. Eur. certificate - new manufacturer	24/05/2007	n/a		
IA/0021	IA_11_b_Change in batch size of active substance or intermediate - downscaling	29/03/2007	n/a		
N/0018	Minor change in labelling or package leaflet not connected with the SPC (Art. 61.3 Notification)	08/03/2007	n/a	PL	
II/0016	The Marketing Authorisation Holder applied for an update of the Summary of Product Charasteristics (SPC) and the Package Leaflet (PL) following the review of the 3rd PSUR and review of duloxetine	18/10/2006	24/11/2006	SmPC and PL	Following the assessment of the third Periodic Safety Update Report (PSUR) the CHMP requested to the MAH to submit a variation to reflect the new safety information. In addition, the MAH also proposed some changes to the SPC

	placebo-controlled clinical trial database. Sections 4.3, 4.4, 4.5, 4.6, 4.8, and 4.9 of the SPC and sections 2 and 4 of the PL have been amended. Update of Summary of Product Characteristics and Package Leaflet				following the review of the placebo-controlled clinical trial database. In this variation, the following sections have been updated: Section 4.3 - Contraindications Addition of contraindication with regards to the initiation of treatment in patients with uncontrolled hypertension. Section 4.4. Special warning and precautions of use In this variation warnings have been included in this section: -to update information on extrapyramidal disorders -to update information on blood pressure and heart rate. Section 4.5 Interaction with other medicinal products and other forms of interactions This section was updated to state that ''Caution should be exercised when duloxetine is combined with oral anticoagulants or antiplatelets drugs due to an increased risk of bleeding. Furthermore, increases in INR values have been reported when duloxetine was co-administered with warfarin". In addition to this, the following information has been included: Duloxetine is an inhibitor of CYP2D6 and therefore caution is advised when duloxetine is co-administered with medicinal products predominantly metabolised by this route (i.e. risperidone, tricyclic antidepressants such as nortriptyline, amitriptyline, and imipramine). Section 4.6 Pregnancy and Lactation Section 4.6 was updated to reflect that duloxetine is very weakly excreted into human milk based on a study of 6 lactating patients.

					Section 4.8 Undesirable effects The following Adverse Drug Reactions (ADRs) have been included in the section 4.8: Hypertensive crisis, supraventricular arrhythmia mainly, atrial fibrillation, paresthesia, hepatic failure, trismus, mania. In addition to this, the MAH updated the frequency of ADRs in section 4.8 to reflect the most recent clinical trials data.
T/0017	Transfer of Marketing Authorisation	05/10/2006	27/10/2006	SmPC, Labelling and PL	
II/0015	Change(s) to the manufacturing process for the active substance	27/07/2006	03/08/2006		
II/0013	The Marketing Authorisation Holder (MAH) applied for an update of the Summary of Product Characteristics (SPC) and Package Leaflet (PL) to include new safety information following the review of the 2nd PSUR and results from a pharmacokinetic study in lactating women. Additional sections in the SPC and PL have been amended. Update of Summary of Product Characteristics, Labelling and Package Leaflet	27/04/2006	31/05/2006	SmPC, Annex II, Labelling and PL	Following the assessment of the second Periodic Safety Update Report (PSUR) the CHMP identified a number of adverse reactions clinical relevant and which were not yet reflected in the Product Information. Therefore the MAH was requested to submit a variation to reflect the new safety information. In this variation warnings have been included in section 4.4 of the SPC: - to recommend caution in patients whose conditions could be compromised by an increased heart rate or by an increase in blood pressure - to update information on withdrawal syndrome seen on discontinuation of treatment - to update information on extrapiramidal disorders Section 4.8 (Undesirable Effects) of the SPC was also updated with regards to withdrawal symptoms and on the effects of duloxetine in Hb1Ac. In addition, the following ADRs have been added to section 4.8: chest pain, seizures,

					hypertension, hallucinations, akathisia, psychomotor restlessness Section 4.5 of the SPC (Interaction with other medicinal products) was updated to state that "Increases in INR have been reported when duloxetine was co-administered with warfarin" and to include some examples of drugs metabolised by CYP2D6 with a narrow therapeutic range (such as flecainide, propafenone and metoprolol) in which case caution is advised if Ariclaim is co-administered. In this variation the MAH also update sections 4.6 and 5.2 of the SPC to reflect the results of a pharmacokinetic study in lactating women. The Package Leaflet was updated to reflect the above changes.
IA/0014	IA_08_a_Change in BR/QC testing - repl./add. of batch control/testing site	19/04/2006	n/a		
II/0010	This variation relates to an update of sections 4.4 and 4.8 of the SPC with safety information following assessment of PSUR 1 and a minor addition to section 4.7 concerning the potential for dizziness, with consequential changes to the relevant sections of the PL. Update of Summary of Product Characteristics and Package Leaflet	23/02/2006	29/03/2006	SmPC and PL	The MAH has updated the SPC and PL with safety information following assessment of the first Periodic Safety Update Report (PSUR). During the assessment of PSUR 1, 3 cases of SIADH (Severe Inappropriate Anti-Diuretic Hormone secretion), 7 cases of hyponatremia and 7 cases of blood sodium decreased were reported. These cases involved elderly patients (mean 76 years). In a number of cases risk factors were identified (pre-existing low level of blood sodium, renal failure, concomitant treatment with ACE or diuretics). Information has been added to section 4.4 of the SPC on that caution is required in patients at increased risk of hyponatraemia such as elderly, cirrhotic, or dehydrated

					patients or patients treated with diuretics. Hyponatraemia may reflect a syndrome of inappropriate anti-diuretic hormone secretion (SIADH). During the assessment of PSUR 1, 12 cases of gastrointestinal bleeding were reported. In a number of cases risk factors were identified. Nevertheless, there are a number of epidemiological studies showing that drugs that inhibit 5HT re-uptake increase the risk of bleeding, including gastrointestinal bleeding. Information has been added to section 4.4 of the SPC on that reports of gastrointestinal haemorrhage has been seen. As an increase in approximately 2 mmHg mean increase in blood pressure has been seen in patients treated with duloxetine, information is added to section 4.4 of the SPC on that duloxetine is associated with an increase in blood pressure in some patients. In patients with known hypertension and/or other cardiac disease, blood pressure monitoring is recommended as appropriate. Cases of liver injury, including severe elevations of liver enzymes (>10 times upper limit of normal), hepatitis and jaundice have been reported with duloxetine (see section 4.8). The pattern of liver damage was predominantly hepatocellular. This information was included in the SPC and it was recommended that duloxetine should be used with caution i
II/0011	Update of sections 4.4 and 4.5 of the SPC with consequent amendments to the PL, following review of suicide attempts. Update of Summary of Product Characteristics and	13/10/2005	15/11/2005	SmPC and PL	The SPC was updated to include additional information on suicidal ideation, suicidal behaviour as well as any concomitant use with antidepressants following the CHMP's review of data available regarding suicide attempts in the approved indication. It was concluded that if the patient

	Package Leaflet				develops depressive symptoms while on Ariclaim therapy, specialised medical advice should be sought and if a decision to start treatment with antidepressants are taken, treatment with Ariclaim should gradually be stopped. Further, the use of Ariclaim in combination with antidepressants (especially with SSRI, SNRI and reversible MAOIs) is not recommended.
II/0007	Update of Summary of Product Characteristics and Package Leaflet	27/07/2005	19/09/2005	SmPC and PL	
II/0006	Update of the section 4.2 of the SPC in order to optimise the wording on starting dose recommendations with consequential changes to the section 3 of the PL. Update of Summary of Product Characteristics and Package Leaflet	27/07/2005	19/09/2005	SmPC and PL	Based on a study evaluating the effect of three different dosing regimens on the most prevalent treatment-emergent-adverse-event nausea, the SPC was updated to state that some patients may benefit from starting treatment at a dose of 20 mg twice daily for two weeks before increasing to the recommended dose of 40 mg twice daily. Dose escalation may decrease, though not eliminate, the risk of nausea and dizziness. However, limited data are available to support the efficacy of ARICLAIM 20 mg twice daily
A18/0012	Procedure under Article 18 of Council Regulation (EEC) No. 2309/93, as amended, to review suicide related behaviours in children and adolescents. Article 18 Review	23/06/2005	15/09/2005	SmPC and PL	Please refer to Scientific Conclusion Ariclaim-EMEA/H/A-18/652
IB/0009	IB_38_c_Change in test procedure of finished product - other changes	19/07/2005	n/a		
IB/0008	IB_38_c_Change in test procedure of finished product - other changes	19/07/2005	n/a		

IB/0005	IB_42_a_01_Change in shelf-life of finished product - as packaged for sale	26/05/2005	n/a	SmPC	
IA/0004	IA_41_a_01_Change in pack size - change in no. of units within range of appr. pack size	28/04/2005	28/04/2005	SmPC, Labelling and PL	
IA/0003	IA_22_a_Submission of TSE Ph. Eur. certificate for exc. - Approved/new manufacturer	29/03/2005	n/a		
IB/0002	IA_08_a_Change in BR/QC testing - repl./add. of batch control/testing site IB_07_c_Replacement/add. of manufacturing site: All other manufacturing operations ex. batch release	15/12/2004	n/a		
IA/0001	IA_08_b_01_Change in BR/QC testing - repl./add. manuf. responsible for BR - not incl. BC/testing	08/09/2004	n/a	Annex II and PL	