Name of	SYNOPSIS Daiichi Sankyo Co., Ltd.
Sponsor/Company	Danem Bankyo Co., Ltu.
Name of Finished Product	LIXIANA TABLETS
Name of Active Ingredient	Edoxaban Tosilate Hydrate
Title of Study	DU-176b Phase IIb clinical study (venous thromboembolism):
	Japan and Taiwan multicenter randomized double-blind dose-finding study using Enoxaparin as a reference in
Turnetingtown	patients undergoing total hip replacement.
Investigators	34 investigators
Study Centre(s)	34 centers
Publication (reference)	Journal of Arthroplasty, DOI: 10.1016/j.arth.2014.05.029
Studied Period	6months
	Initiation Date (first subject enrolled): 19 Jun 2008
	Completion Date (last subject completed): 11 December
	2008
Phase of Development	Phase IIb
Objectives	The objectives are to compare the efficacy and safety of
	edoxaban at 15 mg and 30 mg once daily for 11 to 14 days
	in a double-blind manner, and to examine the appropriate
	dosage of edoxaban in patients undergoing total hip
	replacement.
	Enoxaparin was designated as a reference drug in order to
	understand the relationship between edoxaban and
	commercially supplied drugs for the efficacy and safety.
Methodology	Edoxaban 15 mg and 30 mg once daily are compared in
	double- blind manner and open- label enoxaparin is
	designated as a reference, in order to assess the efficacy
	and safety of edoxaban at 15 mg and 30 mg once daily and
	to examine the appropriate dosage of edoxaban.
	After being performed a total hip replacement, patients
	are randomly assigned to edoxaban 15 mg once daily
	group, edoxaban 30 mg once daily group, or enoxaparin
	group in a 1:1:1 ratio.
	After the administration for 11 to 14 days, bilateral
	venograms will be obtained.

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Number of Patients	Planned: 210 subjects (70 subjects per group)
(planned and analyzed)	Treatment: 261 subjects (edoxaban 15 mg group, 89
	subjects; edoxaban 30 mg group, 85 subjects; enoxaparin
	group, 87 subjects)
	Efficacy Analyzed: 224 subjects (edoxaban 15 mg group, 78
	subjects; edoxaban 30 mg group, 72 subjects; enoxaparin
	group, 74 subjects)
Diagnosis and Main	Patients who were scheduled for primary THA (excluding
Criteria for Inclusion	bilateral THA), Patients aged 20 to < 85 years
Test Product, Dose and	Administration of 1 tablet was performed at 6 to 24 hours
Mode of Administration,	after surgery, and 1 tablet/day was administered orally in
Batch Number	the morning from the next day (administration interval:
	Approximately 10 hours or longer).
	Lot number: edoxaban (15 mg tablets) (S06036-2)
	edoxaban placebo (S06036-3)
	Lot number:edoxaban (30 mg tablets) (S06036-5)
	edoxaban placebo (S06036-8)
Duration of Treatment	The duration of treatment was set at 11 to 14 days.
Reference Therapy, Dose	Administration was started with 1 syringe at 24 to 36
and Mode of	hours after surgery, and 1 syringe was administered
Administration, Batch	subcutaneously twice daily from the next day
Number	(administration interval: Approximately 12 hours).
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	Lot number:
	Enoxaparin (2000 IU injection) (DU176b-B-J209-4)
	Enoxaparin placebo (DU176b-B-J209-4)
Criteria for Evaluation	(Efficacy Primary Endpoint)
	Proportion of subjects with one or more of the following
	thromboembolic events occur during the period from
	commencement of administration of the investigational
	product to venography implementation at the completion
	of administration of the investigational product is
	evaluated as a primary endpoint of efficacy
	·Asymptomatic DVT
	(DVT evaluated by venography performed on both lower
	limbs at the completion of administration of the

	investigational product)
	· Symptomatic PE that was conclusively diagnosed
	· Symptomatic DVT confirmed before implementation of
	predetermined.
	(Safety Primary Endpoint)
	As a primary endpoint of safety, the following bleeding
	events observed during the period from commencement of
	administration of the investigational product to the
	follow-up visit date are evaluated.
	(1) Incidence rate of major bleeding
	(2) Incidence rate of clinically relevant non-major bleeding
	(3) Incidence rate of major bleeding or clinically relevant
	non-major bleeding
Statistical Method	(Analyses of the Primary Efficacy Endpoint)
	For the proportion of subjects with one or more of
	thromboembolic events (= incidence rate of
	thromboembolic events), the difference between edoxaban
	15 mg group and edoxaban 30 mg group, and its 95%
	confidence interval thereof are calculated.
	In addition, the incidence rate of thromboembolic events
	by administration group and its 95% confidence interval
	thereof are also calculated. As reference, the difference
	between Enoxaparin group and each edoxaban group, and
	its 95% confidence interval thereof are also calculated.
	(Analyses of the Primary Safety Endpoint)
	The incidence rate of major bleeding are calculated by
	administration group. The incidence rate of clinically
	relevant non-major bleeding and its 95% confidence
	interval thereof are calculated by administration group.
	In addition, for the incidence rate of clinically relevant
	non-major bleeding, the difference between groups and its
	95% confidence interval thereof are calculated. The
	incidence rate of major bleeding or clinically relevant
	non-major bleeding, and its 95% confidence interval
	thereof are calculated by administration group. In
	addition, for the incidence rate of major bleeding or
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	clinically relevant non-major bleeding, the difference
	between groups and its 95% confidence interval thereof
	are calculated.
Summary - Conclusion	The incidence of thromboembolic events was 3.8% (3/78),
	2.8% (2/72), and 4.1% (3/74) in 15 mg, 30 mg edoxaban,
	and enoxaparin groups, respectively. The thromboembolic
	events were all distal asymptomatic DVT.
	The incidence of major or clinically relevant non-major
	bleeding was 2.2% (2/89) in the 15 mg edoxaban group,
	1.2%~(1/85) in the 30 mg edoxaban group and 2.3% (2/87)
	in the enoxaparin group. There was one major bleeding
	event in the 30 mg edoxaban group.
	Of the biomarkers, D-dimer, F1+2, and soluble fibrin
	levels were most decreased in the edoxaban 30 mg group
	When both efficacy and safety are considered, the results
	suggest that edoxaban 30 mg once daily is the appropriate
	dosage regimen for prevention of thromboembolic events
	in patients undergoing THA.
Date of Report	25 July, 2014