UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 8-K

Current Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event Reported): November 13, 2013

THERAVANCE, INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware (State or Other Jurisdiction of Incorporation) **000-30319** (Commission File Number) 94-3265960 (I.R.S. Employer Identification Number)

901 Gateway Boulevard South San Francisco, California 94080 (650) 808-6000

(Addresses, including zip code, and telephone numbers, including area code, of principal executive offices)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events.

On November 13, 2013 at the 18th Congress of the Asian Pacific Society of Respirology, Yokohama, Japan, GlaxoSmithKline plc ("GSK") presented an oral presentation on a Phase 3 study of the once-daily treatment combination of fluticasone furoate "FF", an inhaled corticosteroid, and vilanterol "VI", a long-acting beta₂ agonist, in Asian patients with chronic obstructive pulmonary disease (COPD). In addition, GSK presented a poster on an ethnic sensitivity assessment of FF/VI in asthma patients in Japan and Korea. In September 2013, the Japanese Ministry of Health, Labour and Welfare (MHLW) approved FF/VI for the treatment of bronchial asthma (in cases where concurrent use of inhaled corticosteroid and long-acting inhaled beta₂ agonist is required). FF/VI is not indicated for the treatment of COPD in Japan. The MHLW has approved two doses of FF/VI - 100/25 mcg and 200/25 mcg. Both strengths will be administered once-daily using the ELLIPTATM, a new dry powder inhaler. RELVAR[®] ELLIPTATM is the trade name in Japan. FF/VI remains in development elsewhere in the world for the maintenance treatment of asthma and COPD, with pending marketing authorization applications in a number of countries. FF/VI for the treatment of COPD is approved in the United States and Canada. FF/VI is not indicated for the relief of acute bronchospasm or the treatment of asthma in the United States or Canada. FF/VI is not approved or licensed anywhere outside of the United States, Japan and Canada. FF/VI is in development under the LABA collaboration agreement between Glaxo Group Limited and Theravance, Inc. The slide presentation and poster are filed as Exhibit 99.1 and 99.2 to this report and are incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit

Description

Exhibit 99.1 The efficacy and safety of inhaled fluticasone furoate (FF)/vilanterol (VI) in Asian patients with COPD

Exhibit 99.2 Ethnic sensitivity assessment of fluticasone furoate (FF)/vilanterol (VI) in asthma patients in Japan and Korea: a prespecified subgroup analysis

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

THERAVANCE, INC.

By: /s/ Michael W. Aguiar Michael W. Aguiar Chief Financial Officer

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EXHIBIT INDEX

Description

99.1 The efficacy and safety of inhaled fluticasone furoate (FF)/vilanterol (VI) in Asian patients with COPD

99.2 Ethnic sensitivity assessment of fluticasone furoate (FF)/vilanterol (VI) in asthma patients in Japan and Korea: a pre-specified subgroup analysis

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Date: November 13, 2013

Exhibit No.

The efficacy and safety of inhaled fluticasone furoate (FF)/vilanterol (VI) in Asian patients with COPD

> Jinping Zheng¹; Teresita de Guia²; Jie Wang-Jairaj³; Amy H Newlands³; Changzheng Wang⁴; Chin-chou Wang⁵; Courtney Crim⁶; Nanshan Zhong¹

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²Philippine Heart Center, Quezon City, Philippines
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⁵Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan
⁶GlaxoSmithKline, North Carolina, USA

STATEMENT OF INTEREST DISCLOSURE

Jinping Zheng has the following statement of interest

 served as a consultant for a local advisory board, and received lecture fees from AstraZeneca, Boehringer Ingelheim, GlaxoSmithKline, Novartis, Takeda and Zambon

ACKNOWLEDGEMENTS

- Patients, investigators and staff at the 33 study centers in mainland China, Taiwan, the Philippines and South Korea
- Janet Flemming (data management); Eva Gomez and Farshid Hamayoun-Valiani (study management); Rehan Ali and QSI, Bangalore (data analysis and programming)
- Funded by GlaxoSmithKline (HZC113684; NCT01376245)
- Editorial support by Gardiner-Caldwell Communications, funded by GlaxoSmithKline

Background and objectives

- Fluticasone furoate/vilanterol (FF/VI) combination
 - Inhaled corticosteroid/long-acting beta₂-agonist
 - Once-daily combination treatment for COPD and asthma
 - Delivered via the ELLIPTA[™] dry powder inhaler
 - 100/25mcg approved in the USA and Canada for COPD
- Objectives
 - To investigate efficacy and safety of three strengths of FF/VI in Asian COPD patients over 24 weeks
 - 50/25mcg; 100/25mcg; 200/25mcg
 - To evaluate suitability of FF/VI 100/25mcg as the therapeutic strength in Asian COPD patients





Study design

 Placebo-controlled, double-blind, randomised, parallelgroup, multicentre



Study population

- Male or female Asian outpatients aged ≥40 years
- Clinical diagnosis of COPD (ATS/ERS¹)
- Current or prior smoking history of ≥10 pack-years
- Post-salbutamol FEV₁/FVC ratio of ≤0.70
- Post-salbutamol FEV₁ ≤70% of predicted
- Modified Medical Research Council Dyspnoea Scale ≥2

¹Celli BR, MacMee W. Eur Respir J 2004;23:932-46

Endpoints

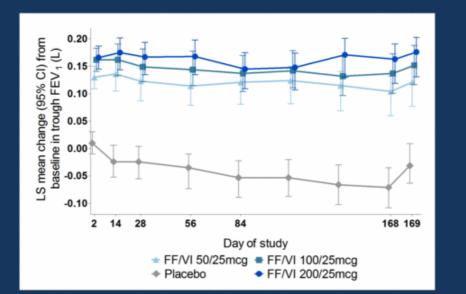
- Primary
 - Change from baseline in trough FEV₁ at Week 24
- Secondary
 - Dyspnoea domain of CRQ-SAS^{1,2} at Week 24
- Other
 - Daily diary card measures (COPD symptoms, albuterol use)
 - COPD Assessment Test™ (CAT)
- Safety
 - Adverse events including exacerbation and pneumonia
 - Clinical laboratory, vital signs and ECG
 - Change from baseline in urinary cortisol excretion

Baseline characteristics and demographics (ITT)

	FF/VI 50/25mcg	FF/VI 100/25mcg	FF/VI 200/25mcg	Placebo	Total
	(n=160)	(n=161)	(n=160)	(n=162)	(N=643)
Age, years ^a	65.2 (8.41)	65.1 (9.19)	62.7 (8.65)	64.7 (8.78)	64.4 (8.80)
Males, n (%)	144 (90)	149 (93)	145 (91)	146 (90)	584 (91)
Mean mMRC scoreª	2.2 (0.47)	2.2 (0.43)	2.3 (0.50)	2.3 (0.46)	2.2 (0.47)
Post-bronchodilator FEV ₁ (L), <i>n</i> , ^{a,b}	<i>15</i> 5 1.16 (0.416)	<i>161</i> 1.22 (0.374)	<i>159</i> 1.21 (0.390)	<i>161</i> 1.18 (0.383)	636 1.20 (0.396)
Post-bronchodilator FEV ₁ % predicted, <i>n</i> , ^{a,b}	<i>155</i> 47.5 (14.21)	<i>161</i> 49.6 (13.19)	<i>15</i> 9 48.2 (13.63)	<i>161</i> 48.6 (13.39)	636 48.5 (13.60)
Mean reversibility (%), <i>n</i> , ^{a,b}	<i>154</i> 14.1 (12.37)	<i>160</i> 12.8 (11.50)	<i>15</i> 9 15.2 (13.43)	<i>161</i> 12.8 (11.80)	634 13.7 (12.31)

^aMean (SD); ^bRecorded at Visit 1 (Screening)

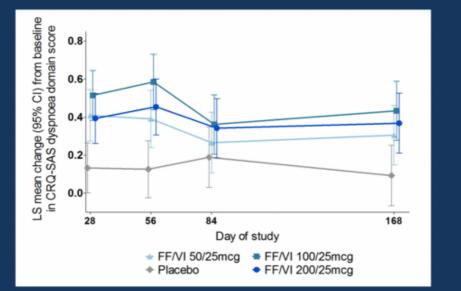
Primary endpoint: trough FEV₁ at Week 24



	FF/VI 50/25mcg	FF/VI 100/25mcg	FF/VI 200/25mcg
Day 169 LS mean change	0.140	0.179	0.194
vs placebo (95% CI), L	(0.089, 0.191) <0.001	(0.129, 0.230) <0.001	(0.143, 0.245) < <u>0.001</u>
p-value	NU.001	NU.001	NU.UU I

LS=least squares; CI=confidence interval

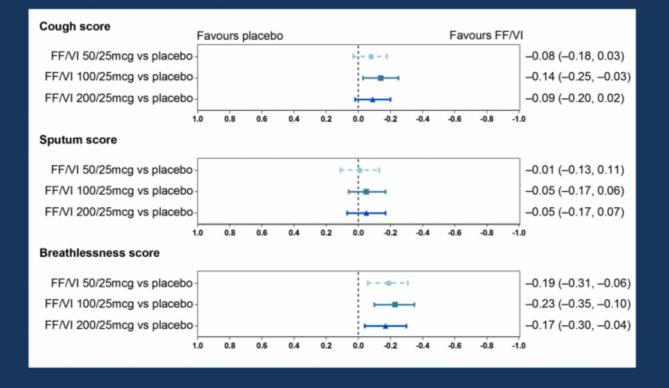
Secondary endpoint: CRQ-SAS dyspnoea domain at Week 24



	FF/VI 50/25mcg	FF/VI 100/25mcg	FF/VI 200/25mcg
Day 168 LS mean change vs placebo (95% CI)	0.21 (–0.01, 0.43)	0.34 (0.12, 0.56)	0.27 (0.05, 0.50)
p-value	0.064	0.003	0.016

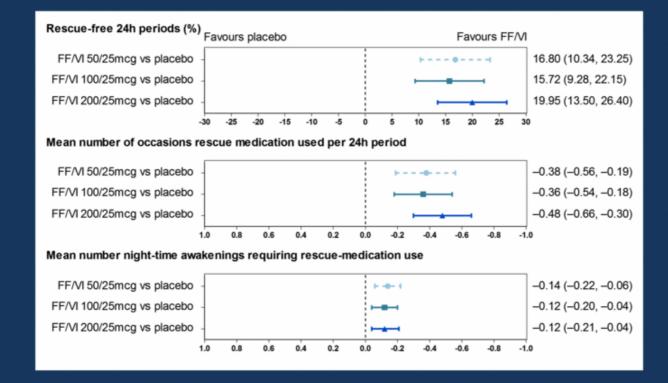
LS=least squares; CI=confidence interval

Daily diary card endpoints: COPD symptom score



Dashed error bars indicate that statistical inference cannot be made

Diary card endpoints: albuterol (rescue) use



COPD Assessment Test (CAT)

	Placebo (n=162)	FF/VI 50/25 (n=160)	FF/VI 100/25 (n=161)	FF/VI 200/25 (n=160)
Baseline				
n	161	159	161	160
Mean (SD)	14.0 (7.23)	15.1 (7.46)	14.2 (7.15)	14.2 (6.84)
Day 168				
n	129	136	138	134
Mean (SD)	13.5 (6.30)	13.1 (7.07)	11.6 (6.62)	12.1 (7.19)
Change from baseline				
Mean (SD)	-0.0 (7.93)	–1.8 (7.88)	-2.2 (6.65)	-1.6 (7.82)

 Decrease (improvement in health status) in mean CAT score exceeds estimated minimal clinically important differences of 1.3¹ or 1.6² with all three strengths of FF/VI

Largest decrease with FF/VI 100/25mcg

¹Dodd JW. et al. *Thorax* 2011;66:425–9; ²Jones PW. et al. *Eur Respir J* 2009;34:648–54

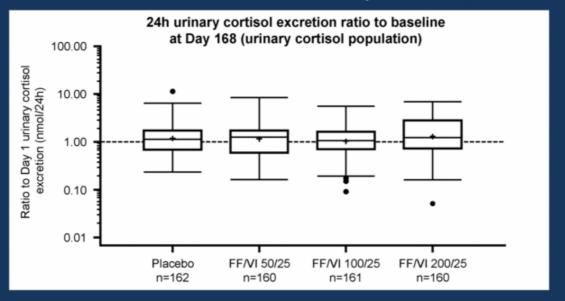
Adverse events (AEs)

	Placebo (n=162)	FF/VI 50/25 (n=160)	FF/VI 100/25 (n=161)	FF/VI 200/25 (n=160)
Any on-treatment AE	63 (39)	64 (40)	59 (37)	77 (48)
Any serious AE	14 (9)	9 (6)	7 (4)	14 (9)
Any fatal AE	2 (1)	1 (<1)	1 (<1)	1 (<1)
Most frequent on-treatm	ient AEs ^a			
Upper respiratory tract infection	15 (9)	16 (10)	19 (12)	14 (9)
Nasopharyngitis	7 (4)	13 (8)	9 (6)	19 (12)
COPD exacerbation ^b	7 (4)	3 (2)	3 (2)	8 (5)
Pyrexia	5 (3)	3 (2)	4 (2)	3 (2)
Cough	2 (1)	2 (1)	6 (4)	3 (2)
Pneumonia	4 (2)	2 (1)	1 (<1)	5 (3)
Hypertension	1 (<1)	1 (<1)	2 (1)	5 (3)
Oropharyngeal pain	0	0	2 (1)	4 (3)

ITT population; ^aFrequency ≥3% in any group; ^bReported as a serious AE

Safety: other

- No indication of treatment effect on glucose or potassium
- No clinically significant changes in vital signs versus placebo
- No changes of clinical concern for ECG parameters
- No indication of treatment effect on urinary cortisol excretion



Summary

- All three strengths of FF/VI improved trough FEV₁
- Improvements observed on CRQ-SAS Dysphoea domain but not clinically important
- · Improvements observed on diary card measures
 - Treatment benefit perceived by patients was also demonstrated by CAT scores
- All three strengths of FF/VI displayed acceptable safety profiles consistent with historical data^{1,2}

¹Kerwin EM. et al. Respir Med 2013;107:560–9; ²Martinez FJ. et al. Respir Med 2013;107:550–9

Conclusions

FF/VI 100/25mcg is an appropriate therapeutic strength for the treatment of COPD in Asian patients based on the totality of data from this study.

Ethnic sensitivity assessment of fluticasone furoate (FF)/vilanterol (VI) in asthma patients in Japan and Korea: a pre-specified subgroup analysis

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INTRODUCTION

- Inhaled corticosteroid (ICS)/long-acting beta₂-agonist (LABA) combinations are recommended by Japanese(1) and global asthma guidelines(2) for asthma patients uncontrolled on ICS alone.
- · FF/VI is a once-daily ICS/LABA combination therapy delivered via the ELLIPTA[™] dry powder inhaler, which is effective for 24h.
- · Responses to pharmacotherapy can vary across ethnic groups(3),(4) including in Japanese patients.

OBJECTIVES

- · To establish whether doses of FF/VI recommended from multinational studies are relevant to asthma patients in Japan.
- · To compare the efficacy, safety, PK and PD data for FF/VI in patients from Japan and/or Korea with data from patients not from Japan or Korea
 - Patients from Korea were included due to similarities in a range of intrinsic and extrinsic ethnic factors between the populations of Japan and Korea.(5)–(7)

METHODS

- A pre-specified subgroup analysis of multicentre, randomised, double-blind, parallel-group international studies that included asthma patients from Japan and/or Korea.
- Inclusion criteria: ≥12 years of age, pre-bronchodilator % predicted forced expiratory volume in one second (FEV₁) of 40–90%, FEV₁ reversibility of ≥12% and ≥200mL.
- Efficacy results were pooled from three Phase III studies, ranging from 12 to 76 weeks duration, that included patients from Japan (GSK study numbers: HZA106827; HZA106829; HZA106837).
- Change from baseline in trough FEV₁ after 12 weeks with once-daily FF/VI 100/25mcg, once-daily FF 100mcg or placebo was analysed across two studies (HZA106827; HZA106837) and data for once-daily FF/VI 200/25mcg, once-daily FF 200mcg and twice-daily fluticasone propionate (FP) 500mcg were from one study (HZA106829).
- Safety data were pooled from the three studies noted above and an additional three placebo-controlled Phase IIb studies, ranging from 28 days to 8 weeks duration, that included patients from Korea (B2C109575; FFA109685; FFA109687).
- PK data were estimated based on a *post-hoc* analysis of population PK data for FF(8) and of study DB111207 data for VI(9); PD data, including 24h urinary cortisol excretion, were assessed.

RESULTS

Table 1. Demographic and baseline characteristics

Demographic and baseline characteristics (Efficacy population)

	Japan N=148	Not-Japan N=3066	Overall N=3214
Age(1) (years)	47.5 (14.66)	41.9 (16.63)	42.2 (16.59)
Male (%)	38	36	36
Weight(1) (kg)	62.5 (13.63)	76.2 (19.29)	75.5 (19.28)
Height(1) (cm)	160.7 (8.05)	165.7 (9.98)	165.5 (9.96)
FEV ₁ (1) (L)	1.933(2) (0.5481)	2.231(3) (0.6469)	2.218(4) (0.6456)
% Predicted FEV ₁ (1)	74.7(2) (11.13)	70.6(3) (11.18)	70.8(4) (11.21)

Demographic characteristics (Safety population)

	Not-				
	Japan+Korea N=194	Japan+Korea N=4037	Overall N=4231		
Age(1) (years)	46.1 (15.00)	41.3 (16.47)	41.5 (16.44)		
Male (%)	40	37	37		
Weight(1) (kg)	63.5 (13.37)	76.1(5) (19.68)	75.5(6) (19.61)		
Height(1) (cm)	161.6 (8.46)	165.7 (10.21)	165.5 (10.17)		

(1)Mean (SD); (2)n=147; (3)n=3059; (4)n=3206; (5)n=4036; (6)n=4230

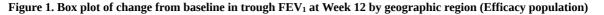
Efficacy

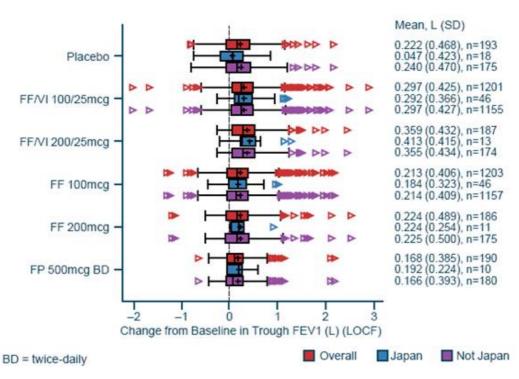
- Efficacy data were compared between patients (N=3214) from Japan and 'Not-Japan'; 85% (N=2739) completed the studies.
- Improvements in trough FEV₁ were reported in all populations for FF/VI 100/25mcg and FF 100mcg versus placebo and for FF/VI 100/25mcg versus FF 100mcg (Table 2)
 - There was no evidence of a statistically significant difference in treatment effect between patients from Japan and Not-Japan (p=0.403).
- Changes from baseline in FEV₁ were similar with FF/VI 200/25mcg and FF 200mcg in patients from Japan and the overall population (Figure 1)
 - Improvements were greater than with twice-daily FP 500mcg.

Table 2. Comparison of change from baseline in trough FEV₁ at Week 12 between treatment arms (Efficacy population)

		FF/VI 100/25mcg	FF 100mcg
	N Difference vs. placebo(1)	1201 0.181 (0.111, 0.252) p<0.001	1203 0.105 (0.034, 0.175) p=0.003
Overall	Difference vs. FF 100mcg	0. 077 (0.045, 0.108) p<0.001	—
	n	46 0.323	46 0.216
Japan	Difference vs. placebo(2)	(0.104, 0.542)	(-0.003, 0.436)
	Difference vs. FF 100mcg	0.107 (–0.056, 0.270)	—
	п	1155	1157
Not-Japan	Difference vs. placebo(3)	0.168 (0.095, 0.241)	0.093 (0.020, 0.166)
	Difference vs. FF 100mcg	0.075 (0.043, 0.108)	—

Least squares mean change (95% confidence interval). Studies included: HZA106827, HZA106837. Data were analysed using a Last Observation Carried Forward Analysis of Covariance model, with terms for baseline FEV₁, region, gender, age, treatment group, study & region by treatment interaction. $^{1}n=193$; $^{2}n=18$, $^{3}n=175$





Safety

- · Safety data were compared between patients (N=4231) from Japan/Korea and Not-Japan/Korea; N=3584 (85%) completed the studies.
- In all active treatment groups, a greater proportion of patients from Japan/Korea versus Not-Japan/Korea reported on-treatment adverse events; this trend was also observed in the placebo group, suggesting that this is not related to FF or VI (**Table 3**).

Table 3. Summary of on-treatment adverse events and serious adverse events (Safety population)

	Placebo	FF/VI 100/25mcg	FF/VI 200/25 mcg	FF 100mcg	FF 200mcg
All on-treatment adverse events					
Japan+Korea	12/29 (41)	37/47 (79)(1)	9/14 (64)(1)	38/55 (69)	16/22 (73)
Not-Japan/Korea	87/375 (23)	658/1163 (57)	83/183 (45)	744/1375 (54)	134/386 (36)
Overall	99/404 (25)	695/1210 (57)	92/197 (47)	782/1430 (55)	150/390 (38)
On-treatment non-fatal serious adverse events					
Japan+Korea	0/29 (0)	1/47 (2)(1)	0/14 (0)(1)	1/55 (2)	0/22 (0)
Overall	0/404 (0)	40/1210 (3)	6/197 (3)	30/1430 (2)	1/390 (<1)
On-treatment fatal adverse events					
Japan+Korea	0/29 (0)	0/47 (0)(1)	0/14 (0)(1)	0/55 (0)	0/22 (0)
Overall	0/404 (0)	1/1210(2) (<1)	0/197 (0)	1/1430 (<1)	0/390 (0)

Data presented as number of patients with an adverse event/number of patients in population group (%);

(1)Only subjects from Japan;

(2)One additional subject (South East Asian) died during follow-up

Safety (cont'd)

Serious adverse events reported for patients from Japan+Korea (1 FF/VI 100/25mcg, 1 FF 100mcg: both subarachnoid haemorrhage) were not considered drug related.

PK/PD

Estimated FF AUC₍₀₋₂₄₎ and VI C_{max} were higher in Japanese versus White/Caucasian patients (Table 4).

PK/PD (cont'd)

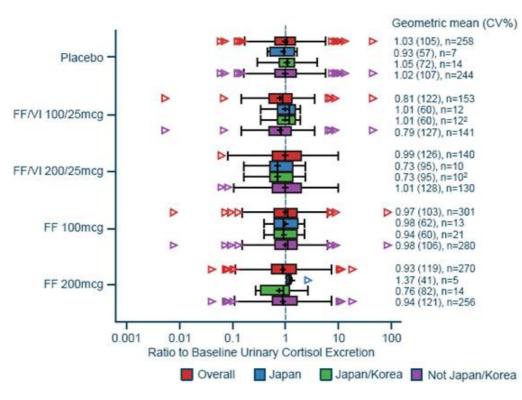
- · No clinically relevant effects on cortisol concentrations (Figure 2) or heart rate were observed.
- The PK profile of FF at clinical doses (<200mcg) did not differ when administered simultaneously with VI 25mcg compared with FF alone for either Japanese or White/Caucasian patients.

Table 4. Model predicted PK parameters

Race Model predicted FF PK parameters	Treatment	<u> </u>	C max (pg/mL)	AUC (0-24) (pg.h/mL)
	FF/VI 100/25mcg	14	18.0 [11.8, 26.1] 19.9	348.6 [214.7, 510.8] 304.6
Japanese	FF 100mcg	15	[13.2, 27.8] 42.4	[240.4, 382.6] 605.1
	FF/VI 200/25mcg	13	[28.2, 59.7] 34.6	[489.2, 871.8] 581.9
	FF 200mcg	8	[24.2, 49.8]	[374.1, 855.1]
White / Caucasian	FF/VI 100/25mcg; FF 100mcg FF/VI 200/25mcg; FF 200mcg	492 471	15.2 [14.9, 15.6] 30.0 [29.1, 30.8]	232.2 [226.0, 238.5] 471.6 [459.0, 484.1]
Model predicted VI PK parameters				
Japanese	FF/VI 100/25mcg FF/VI 200/25mcg	14 13	113.3 [38.7, 243.7] 144.9 [63.4, 236.1]	139.1 [117.2, 159.0] 146.1 [119.4, 168.0]
White / Caucasian	FF/VI 100/25mcg; FF/VI 200/25mcg	660	42.2 [39.7, 44.9]	165.7 [160.2, 171.4]

Geometric mean (95% confidence interval); FF data from *post-hoc* analysis of population PK data(8); VI data from post-hoc analysis of study DB111207(9)

Figure 2. Ratio of 24h urinary cortisol excretion to baseline at the end of treatment (Urinary cortisol population(1))



(1)Urinary cortisol population: subset of patients from Safety population, that were not considered to have confounding factors, and for whom urine samples were available;

(2)Only subjects from Japan

CONCLUSIONS

- · The efficacy and safety profile of FF/VI is similar in asthma patients from Japan+Korea and Not-Japan+Korea.
- The FF/VI clinical doses recommended based on global studies are also suitable for asthma patients in Japan.

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- (3) Bjornsson TD, et al. J Clin Pharmacol 2003;43:943–67.
- (4) Huang SM, et al. *Clin Pharmacol Ther* 2008;84:287–94.
- (5) Jin HJ, et al. *PLoS ONE* 2009;4:1–10.
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- (8) GSK data on file.
- (9) Nakahara N, et al. Int J Clin Pharmacol Ther 2013;51:660-72

ACKNOWLEDEGMENTS

- · The presenting author, Yutaro Sugiyama, is employed by GlaxoSmithKline.
- The authors acknowledge the contributions of the following employees of GlaxoSmithKline: Dr Romina Nand, Dr Carol Lee and Dr Ann Allen.
- These studies were funded by GlaxoSmithKline (GSK study codes HZA106827 (cllinicaltrial.gov registration number: NCT01165138); HZA106829 (NCT01134042); HZA106837 (NCT01086384); B2C109575 (NCT00600171); FFA109685 (NCT00603278); FFA109687 (NCT00603382); DB111207 (NCT00964249).
- Editorial support (in the form of writing assistance, assembling tables and figures, collating author comments, grammatical editing and referencing) was provided by Laura Maguire, MChem, at Gardiner-Caldwell Communications (Macclesfield, UK) and was funded by GlaxoSmithKline.



Presented at the 18th Congress of the Asian Pacific Society of Respirology, Yokohama, Japan, 11–14 November 2013