#### ORIGINAL RESEARCH

# Efficacy and safety of aripiprazole once-monthly in obese and nonobese patients with schizophrenia: a post hoc analysis

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**Purpose:** To assess the efficacy and safety of aripiprazole once-monthly 400 mg (AOM 400), an extended-release injectable suspension of aripiprazole, in obese and nonobese patients.

**Patients and methods:** This post hoc analysis of a 38-week randomized, double-blind, active-controlled, noninferiority study (NCT00706654) compared the clinical profile of AOM 400 in obese (body mass index [BMI]  $\geq$  30 kg/m<sup>2</sup>) and nonobese (BMI <30 kg/m<sup>2</sup>) patients with schizophrenia for  $\geq$ 3 years. Patients were randomized 2:2:1 to AOM 400, oral aripiprazole 10–30 mg/d, or aripiprazole once-monthly 50 mg (AOM 50 mg) (subtherapeutic dose). Within obese and nonobese patient subgroups, treatment-group differences in Kaplan–Meier estimated relapse rates at week 26 (*z*-test) and in observed rates of impending relapse through week 38 (chi-square test) were analyzed. Treatment-emergent adverse events (TEAEs) (>10% in any treatment group) were summarized.

**Results:** At baseline of the randomized phase, obesity rates were similar among patients randomized to AOM 400 (n=95/265, 36%), oral aripiprazole (n=95/266, 36%), and AOM 50 mg (n=43/131, 33%). In both obese and nonobese patients, relapse rates through week 38 for patients randomized to AOM 400 (obese, 7.4%; nonobese, 8.8%) were similar to those in patients on oral aripiprazole (obese, 8.4%; nonobese, 7.6%), whereas relapse rates were significantly lower with AOM 400 versus AOM 50 mg (obese, 27.9% [P=0.0012]; nonobese, 19.3% [P=0.0153]). The most common TEAEs with AOM 400 in obese and nonobese patients were insomnia (12.6% and 11.2%), headache (12.6% and 8.2%), injection site pain (11.6% and 5.3%), akathisia (10.5% and 10.6%), upper respiratory tract infection (10.5% and 4.7%), weight increase (10.5% and 8.2%), and weight decrease (6.3% and 11.8%). Within the AOM 400 group, 7.6% of patients who were nonobese at baseline became obese, and 17.9% of obese patients became nonobese during randomized treatment.

**Conclusion:** The clinical profile of AOM 400 was similar in obese and nonobese patients. **Keywords:** antipsychotic, long-acting injectable, schizophrenia, obesity, aripiprazole oncemonthly

### Introduction

Schizophrenia is a chronic psychiatric disorder in which long-term antipsychotic treatment is recommended to reduce the risk of relapse.<sup>1,2</sup> Many second-generation antipsychotics are associated with metabolic side effects such as weight gain.<sup>1,3–7</sup> Patients with schizophrenia often have comorbid medical conditions that may require continuous monitoring in addition to being observed for potential medication side effects.<sup>1,6,8,9</sup> In a national survey of *International Classification of Diseases, Ninth Edition* discharge codes for patients hospitalized for schizophrenia, 63% of patients who had schizophrenia as their primary diagnosis had  $\geq 1$  comorbid condition.<sup>10</sup>

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Metabolic risk factors, such as obesity, are also prevalent among patients with schizophrenia. A national, voluntary, cardiometabolic screening program of >10,000 patients in US public mental health clinics found that 53% of patients with schizophrenia were obese (body mass index [BMI]  $\geq$ 30.0 kg/m<sup>2</sup>).<sup>11</sup>

Aripiprazole is an atypical antipsychotic with partial agonist activity at dopamine D<sub>2</sub> receptors<sup>12</sup> and a potentially less burdensome metabolic profile compared with other atypical antipsychotics.<sup>4,13,14</sup> A once-monthly, long-acting injectable (LAI) formulation, aripiprazole once-monthly 400 mg (AOM 400), is approved for the treatment of schizophrenia,<sup>15–17</sup> making it the first dopamine D, receptor partial agonist available in a long-acting formulation. Given the prevalence of obesity in patients with schizophrenia, it is important to consider the need for dose adjustments or special consideration in obese patients. Other LAI antipsychotics, such as paliperidone palmitate, may require dose increases for overweight or obese patients with schizophrenia.18 This brief communication reports results from a post hoc analysis that evaluated the efficacy and tolerability of AOM 400 in obese and nonobese patients with schizophrenia to provide guidance on whether dose adjustments may be needed.

# Materials and methods Patients and study design

Data are from a 38-week double-blind, multicenter, international, active-controlled study that examined the clinical profile of AOM 400 as maintenance treatment in patients with schizophrenia. The study was conducted from September 2008 through August 2012 and recruited patients from Austria, Belgium, Chile, Croatia, Estonia, France, Hungary, Italy, Poland, South Africa, South Korea, Thailand, and the United States. Study design and patient inclusion/exclusion criteria were previously described in detail.<sup>13</sup> Briefly, adult patients aged 18-60 years with a diagnosis of schizophrenia based on the Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition, Text Revision criteria for  $\geq$ 3 years and a history of symptom exacerbation when not receiving antipsychotic treatment were eligible for study inclusion. The study had three treatment phases, including an oral conversion phase (phase 1, cross-titration to oral aripiprazole and discontinuation of other antipsychotic) and an oral aripiprazole stabilization phase (phase 2). Patients who met the stability criteria with oral aripiprazole for 8 consecutive weeks entered the double-blind, active-controlled phase (phase 3, up to 38 weeks) in which patients were randomized

2:2:1 to AOM 400; oral aripiprazole (10–30 mg/d); or aripiprazole once-monthly 50 mg (AOM 50 mg), a subtherapeutic dose included for assay sensitivity. Using a double-dummy design, patients in all treatment groups (including oral aripiprazole) received an injection into the gluteal muscle. Per protocol, patients whose BMI was  $\leq$ 28 kg/m<sup>2</sup> received injections with a 21-gauge, 1.5-inch needle, and patients whose BMI was >28 kg/m<sup>2</sup> received injections with a 21-gauge, 2-inch needle.<sup>16</sup> Patients were able to reduce their AOM dose to 300 mg (or 25 mg in the AOM 50 mg group) for tolerability reasons and then subsequently increase their dose to 400 mg (or 50 mg in the AOM 50 mg group) on one occasion, if considered appropriate.<sup>13</sup>

#### Assessments and statistical analyses

The primary endpoint – the noninferiority of AOM 400 to oral aripiprazole based on the Kaplan-Meier estimate of impending relapse rate at week 26 - was met, and results were previously described in detail.<sup>13</sup> The current report is based on an exploratory post hoc analysis that was conducted in the subpopulations of obese (BMI  $\geq$  30 kg/m<sup>2</sup>) and nonobese (BMI <30 kg/m<sup>2</sup>) patients, as determined at baseline of the double-blind phase. Estimated impending relapse rates at week 26 and the observed rate of impending relapse at week 38 were assessed. Impending relapse was defined as meeting  $\geq 1$  of the following criteria: (1) Clinical Global Impression-Improvement scale score of  $\geq 5$  (minimally worse) and either an increase on any of four individual Positive and Negative Syndrome Scale (PANSS) items (conceptual disorganization, hallucinatory behavior, suspiciousness, or unusual thought content) to a score >4 with an absolute increase of  $\geq 2$  on that specific item since randomization, or an increase to >4 on one of those PANSS items and an absolute increase of  $\geq 4$  on the combined score of those items; (2) hospitalization due to worsening of psychotic symptoms; (3) Clinical Global Impression-Severity of Suicidality score of four (severely suicidal) or five (attempted suicide) on part 1 and/or six (much worse) or seven (very much worse) on part 2; or (4) violent behavior resulting in clinically relevant selfinjury, injury to another person, or property damage.13

Estimated impending relapse rate at week 26 was calculated using Kaplan–Meier estimates, calculated as one – proportion of patients free of impending relapse events, using the intent-to-treat population, which included all patients randomized to double-blind treatment. Standard errors were calculated using Greenwood's formula. Within obese and nonobese subgroups, treatment-group differences in estimated relapse rates at week 26 and in observed rates of impending relapse through week 38 were analyzed using *z*-tests and chi-square tests, respectively.

To assess tolerability, the most common (>10% incidence in any treatment group) treatment-emergent adverse events (TEAEs) were summarized within treatment groups in obese and nonobese patients; no formal statistical analyses were conducted. Within treatment groups (AOM 400, AOM 50 mg, and oral aripiprazole 10-30 mg) the number and percentage of patients who went from obese to nonobese, and from nonobese to obese, from baseline of the double-blind phase to the end of the study were calculated. Mean change from baseline to study end on total scores of extrapyramidal symptom scales (EPS), including the Simpson-Angus Scale<sup>19</sup> total score, Barnes Akathisia Rating Scale<sup>20</sup> global score, and Abnormal Involuntary Movement Scale<sup>21</sup> rating score, were assessed among treatment groups for obese and nonobese patients. Metabolic parameters (ie, fasting total, LDL, and HDL cholesterol, fasting triglycerides, and fasting glucose) were monitored, and descriptive statistics, including mean change from baseline to study end, were calculated for obese and nonobese subgroups. For mean weight change from baseline to study end, treatment group comparisons within obese and nonobese subgroups were analyzed using an analysis of a covariate model with baseline as a covariate.

# Results

#### Patient disposition and characteristics

Patient disposition was previously described in detail (Table 1). Briefly, 662 patients were randomized to phase 3 double-blind treatment; 233 (35.2%) patients were obese at randomization. Sixty-four percent of randomized obese patients completed the study, and 67% of nonobese patients

completed the study. Within the AOM 400 treatment group, a numerically larger percentage of obese patients discontinued from the study compared with nonobese patients (30.5% vs 23.5%, respectively; Table 1), although rates of discontinuation due to impending relapse (with or without an adverse event) were numerically comparable between obese and nonobese patients (Table 1). In both obese and nonobese subpopulations, baseline and demographic characteristics were comparable among treatment groups (Table 2). Obese patients were slightly older than nonobese patients. Across treatment groups, Asian patients and men were overrepresented in the nonobese subpopulations, and more black participants were in the obese subpopulations compared with other races.

## Efficacy

At week 26, the estimated relapse rate with AOM 400 was comparable to that of oral aripiprazole in obese patients (6.5% vs 7.9%, respectively; difference, -1.4; 95% CI, -8.93 to 6.21; P=0.7253) and significantly lower with AOM 400 versus AOM 50 mg (6.5% vs 30.2%, respectively; difference, -23.7; 95% CI, -39.60 to -7.80; P=0.0035) in obese patients. In nonobese patients, the estimated relapse rate at week 26 with AOM 400 was also comparable to that of oral aripiprazole (7.4% vs 7.7%, respectively; difference, -0.2; 95% CI, -6.04 to 5.60; P=0.9412) and significantly lower with AOM 400 versus AOM 50 mg (7.4% vs 17.2%, respectively; difference, -9.8; 95% CI, -19.29 to -0.33; P=0.0426). At week 38, the observed rate of impending relapse with AOM 400 was similar to that observed with oral aripiprazole and significantly lower compared with AOM 50 mg in obese and nonobese patients (P=0.0012 and P=0.0153, respectively; Figure 1).

Table I Patient disposition in the randomized phase in obese and nonobese subpopulations

	AOM 400		Oral aripipr	azole (10–30 mg)	AOM 50 mg	
	Obese	Nonobese	Obese	Nonobese	Obese	Nonobese
Randomized, n	95	170	95	171	43	88
Completed, n (%)	66 (69.5)	130 (76.5)	63 (66.3)	115 (67.3)	19 (44.2)	42 (47.7)
Discontinued, n (%)	29 (30.5)	40 (23.5)	32 (33.7)	56 (32.7)	24 (55.8)	46 (52.3)
AEs	5 (5.3)	3 (1.8)	2 (2.1)	5 (2.9)	I (2.3)	6 (6.8)
Impending relapse	4 (4.2)	9 (5.3)	5 (5.3)	7 (4.1)	6 (14.0)	11 (12.5)
(with AE)						
Impending relapse	3 (3.2)	6 (3.5)	3 (3.2)	6 (3.5)	6 (14.0)	6 (6.8)
(without AE)						
Patient withdrew consent	8 (8.4)	13 (7.6)	10 (10.5)	19 (11.1)	5 (11.6)	9 (10.2)
Lost to follow-up	2 (2.1)	2 (1.2)	2 (2.1)	8 (4.7)	3 (7.0)	3 (3.4)
Met withdrawal criteria	2 (2.1)	2 (1.2)	3 (3.2)	3 (1.8)	2 (4.7)	3 (3.4)
Withdrawn by investigator	4 (4.2)	4 (2.4)	6 (6.3)	6 (3.5)	I (2.3)	7 (8.0)
Protocol deviations	1 (1.1)	I (0.6)	1(1.1)	2 (1.2)	0	1(1.1)

Abbreviations: AE, adverse event; AOM 400, aripiprazole once-monthly 400 mg; AOM 50 mg, aripiprazole once-monthly 50 mg.

Table 2 Baseline (randomized phase) demographics and characteristics in obese and nonobese subpopulations
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	AOM 400		Oral aripipraz	ole (10–30 mg)	AOM 50 mg	
	Obese	Nonobese	Obese	Nonobese	Obese	Nonobese
	(n=95)	(n=170)	(n=95)	(n=171)	(n=43)	(n=88)
Age, mean (SD), years	43.3 (9.5)	40.8 (10.8)	43.4 (10.7)	40.0 (10.8)	42.8 (8.8)	38.9 (9.8)
Male sex, n (%)	47 (49.5)	113 (66.5)	54 (56.8)	114 (66.7)	19 (44.2)	59 (67.0)
Race, n (%)						
White	55 (57.9)	105 (61.8)	52 (54.7)	101 (59.1)	24 (55.8)	50 (56.8)
Black	31 (32.6)	25 (14.7)	34 (35.8)	30 (17.5)	18 (41.9)	15 (17.0)
Asian	3 (3.2)	26 (15.3)	0	26 (15.2)	I (2.3)	13 (14.8)
Other	6 (6.3)	14 (8.2)	9 (9.5)	14 (8.2)	0	10 (11.4)
Mean (SD) BMI, kg/m <sup>2</sup>	36.1 (5.7)	24.9 (2.9)	34.5 (4.8)	25.2 (3.0)	37.5 (7.7)	24.5 (3.2)
Mean weight, kg	102.8 (19.1)	72.6 (12.3)	102.1 (15.9)	73.5 (11.9)	106.7 (24.9)	71.3 (13.1)

Abbreviations: BMI, body mass index; AOM 400, aripiprazole once-monthly 400 mg; AOM 50 mg, aripiprazole once-monthly 50 mg.

## Safety

The tolerability profile of AOM 400 was similar in obese and nonobese patients with schizophrenia. Most TEAEs (>10% incidence in any treatment group) were comparable between obese and nonobese patients within and between treatment groups (Figure 2). Rates of injection site pain, reported as a TEAE, were higher in obese versus nonobese patients who received AOM 400 (11.6% vs 5.3%, respectively); however, no patient discontinued because of injection site pain. EPS scales showed no differences between obese and nonobese patients (data not shown) and were consistent with the results from the full study.<sup>13</sup> The incidence of potentially clinically relevant weight changes, defined a priori as a  $\geq 7\%$ increase or decrease in weight, and mean weight changes from baseline to study end are listed by treatment group for obese versus nonobese patients in Table 3. At week 38, mean weight change was comparable in nonobese patients treated with AOM 400 versus oral aripiprazole. However, the difference in mean (SD) weight change between nonobese patients treated with AOM 400 compared with AOM 50 mg was statistically significant (0.7 [4.2] vs -1.0 [0.4] kg, respectively; P < 0.05; Table 3). In obese patients, mean weight change at week 38 was comparable between AOM 400 and oral aripiprazole and between AOM 400 and AOM 50 mg (Table 3).

Of note, in patients treated with AOM 400, a numerically greater percentage of obese patients had weight loss  $\geq$ 7% than had weight gain  $\geq$ 7% (17.9% vs 10.5%, respectively). Within the AOM 400 treatment group, 7.6% of patients went from nonobese at baseline to obese at study end, whereas 17.9% of patients treated with AOM 400 went from obese at baseline to nonobese at study end. In the AOM 50 mg and oral aripiprazole 10–30-mg treatment groups, percentages for patients who went from obese to nonobese and from nonobese to obese were similar to those seen in the AOM 400 treatment arm (Figure 3).

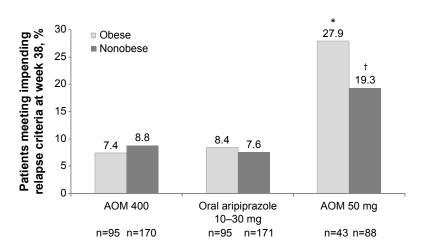


Figure I Observed rate of impending relapse in 38-week randomized phase.

Notes: \*P=0.0012 vs AOM 400. †P=0.0153 vs AOM 400.

Abbreviations: AOM 400, aripiprazole once-monthly 400 mg; AOM 50 mg, aripiprazole once-monthly 50 mg.

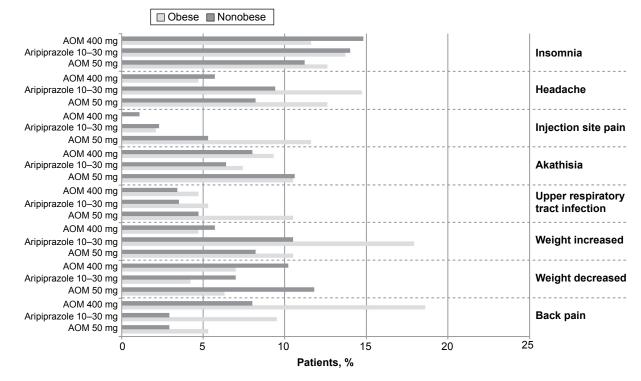


Figure 2 Treatment-emergent adverse events (with >10% incidence in any treatment group) in obese and nonobese subpopulations. Abbreviations: AOM 400, aripiprazole once-monthly 400 mg; AOM 50 mg, aripiprazole once-monthly 50 mg.

Across all treatment groups, mean changes from baseline were minimal in metabolic parameters, including fasting total cholesterol, LDL cholesterol, HDL cholesterol, triglycerides, and glucose, although the variation was large within groups (Table 3). In obese and nonobese patients treated with AOM 400, all mean changes were less than 4% of baseline values at week 38, with the exception of triglycerides in nonobese patients (mean  $\pm$  SD increase 11.0 $\pm$ 79.4 mg/dL from baseline mean of 119.6 mg/dL, n=118). In addition, mean  $\pm$  SD increases in triglycerides (28.4 $\pm$ 53.9 mg/dL;

Table 3 Weight and metabolic parameters in the randomized treatment phase

	AOM 400		Oral aripiprazole (10–30 mg)		AOM 50 mg	
	Obese	Nonobese	Obese	Nonobese	Obese	Nonobese
	n=95	n=170	n=95	n=171	n=43	n=88
Patients with weight gain $\geq$ 7%, n (%)	10 (10.5)	32 (18.8)	13 (13.7)	30 (17.5)	3 (7.0)	5 (5.7)
Patients with weight loss $\geq$ 7%, n (%)	17 (17.9)	23 (13.5)	12 (12.6)	15 (8.8)	6 (14.0)	12 (13.6)
Mean (SD) weight change from phase 3	n=64	n=129	n=60	n=111	n=19	n=42
baseline at week 38,* kg	-1.1 (5.5)	0.7 (4.2)	0.9 (6.0)	1.1 (4.0)	-2.9 (11.8)	−1.0 (4.2)†
Mean (SD) fasting total cholesterol change	n=58	n=118	n=53	n=88	n=14	n=34
from phase 3 baseline at week 38, mg/dL	-5.21 (29.93)	2.00 (24.37)	-4.47 (23.14)	-3.55 (29.42)	5.57 (26.14)	8.74 (28.44)
Mean (SD) fasting LDL cholesterol change	n=57	n=116	n=52	n=86	n=14	n=34
from phase 3 baseline at week 38, mg/dL	-4.11 (30.55)	-1.39 (21.33)	-4.83 (21.30)	-4.81 (27.23)	1.93 (19.28)	-9.76 (27.14)
Mean (SD) fasting HDL cholesterol change	n=58	n=118	n=53	n=88	n=14	n=34
from phase 3 baseline at week 38, mg/dL	0.28 (9.09)	1.69 (10.17)	-0.64 (9.02)	0.18 (9.68)	−1.93 (7.67)	2.44 (7.54)
Mean (SD) fasting triglycerides change from baseline at week 38, mg/dL	n=58	n=118	n=53	n=88	n=14	n=34
	-4.26 (55.49)	11.03 (79.40)	5.66 (73.89)	5.14 (70.97)	28.36 (53.93)	-7.76 (39.46)
Mean (SD) fasting glucose change from baseline at week 38, mg/dL	n=58	n=118	n=53	n=85	n=14	n=34
	3.47 (50.22)	0.76 (15.33)	0.36 (16.20)	-1.95 (20.68)	11.36 (53.09)	-4.41 (11.29)

**Notes:** \*Weight change  $\geq$ 7% was defined a priori as a potentially clinically relevant change. †*P*<0.05 vs AOM 400. No formal statistical comparison was made for metabolic parameters other than mean weight change from baseline.

Abbreviation: AOM 400, aripiprazole once-monthly 400 mg; AOM 50 mg, aripiprazole once-monthly 50 mg.

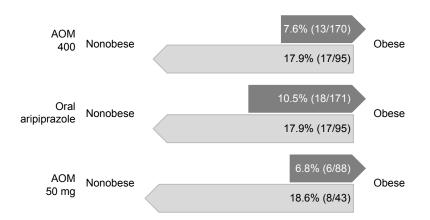


Figure 3 Changes in obesity status from baseline to end of study.

**Notes:** Dark gray shading denotes patients categorized as nonobese at baseline who shifted to obese at the end of the study. Lighter gray shading denotes patients categorized as obese at baseline who shifted to nonobese at the end of the study. Numbers in parentheses indicate the patients within each category who experienced the shift in obesity status/total number of patients in the category at baseline.

Abbreviations: AOM 400, aripiprazole once-monthly 400 mg; AOM 50 mg, aripiprazole once-monthly 50 mg.

baseline 115.9 mg/dL) and glucose ( $11.4\pm53.1$  mg/dL; baseline 99.4 mg/dL) were observed at week 38 in obese patients who received AOM 50 mg (n=14).

#### Discussion

The tolerability profile of AOM 400 was comparable between obese and nonobese patients with schizophrenia. Overall, efficacy outcomes were comparable between obese and nonobese patients treated with AOM 400; few patients went from nonobese to obese over the course of the study, and mean metabolic parameters remained relatively stable. The primary efficacy outcome - the noninferiority of Kaplan-Meier estimated impending relapse rate at week 26was met in obese and nonobese subpopulations despite the loss of power when dividing the full sample, demonstrating that AOM 400 was efficacious in both subpopulations. Although statistical analyses comparing the primary outcome between obese and nonobese patients were not conducted, and the study was not specifically powered for this post hoc subgroup analysis, estimated impending relapse rates with aripiprazole 400 mg at week 26 were low and numerically comparable between obese and nonobese patients (6.5% and 7.4%, respectively). Similar results were reported in a post hoc analysis of risperidone LAI in patients with schizophrenia or schizoaffective disorder who were followed for  $\leq$ 24 months.<sup>22</sup> Specifically, efficacy outcomes (ie, time to hospitalization, PANSS total score, and the Heinrichs-Carpenter Quality of Life Scale) were comparable between risperidone LAI and oral antipsychotics in subgroups of obese  $(\geq 30 \text{ kg/m}^2)$  and nonobese patients.<sup>22</sup> In contrast to other LAI antipsychotics that may require dose adjustments for obese patients,<sup>18</sup> the comparable efficacy and tolerability profile of AOM 400 in obese and nonobese patients with schizophrenia supports the idea that no weight-based dose adjustments are required for AOM therapy.

Because of the association between antipsychotic use and metabolic changes,<sup>1,3-7</sup> patients should be continually monitored for weight gain and obesity-related longterm health problems (eg, cardiovascular disease, type 2 diabetes)<sup>6</sup> while receiving maintenance therapy.<sup>1,5</sup> Analyses of metabolic changes with olanzapine LAI in patients with schizophrenia found that 5.9% of patients who were obese at baseline of randomization (BMI  $\geq$  30 kg/m<sup>2</sup>) had a clinically significant ( $\geq$ 7%) increase in body weight at 24 weeks (data were not reported separately for nonobese patients).<sup>23</sup> In a post hoc analysis of metabolic changes with paliperidone palmitate treatment in patients with schizophrenia, greater percentages of underweight and normalweight patients shifted toward higher BMI categories than overweight and obese patients who shifted to lower BMI categories.<sup>24</sup> From baseline to endpoint of the open-label 52-week extension study, 15% of normal-weight patients (BMI 19-<25 kg/m<sup>2</sup>), 4% of overweight patients (BMI  $25 - <30 \text{ kg/m}^2$ ), and 6% of obese patients (BMI  $\ge 30 \text{ kg/m}^2$ ) had a  $\geq 7\%$  increase in body weight. Although weight was categorized differently in the study reported here (ie, nonobese patients were not separated into normal and overweight categories), a similar pattern was observed, in that a higher percentage of nonobese patients had  $\geq 7\%$ weight gain compared with obese patients. Notably, a greater percentage of patients went from obese to nonobese than from nonobese to obese with AOM 400 treatment.

The rate of injection site pain, reported as a TEAE, was notably lower in nonobese patients compared with obese patients (5.3% vs 11.6%, respectively). The lower rate in nonobese patients may be secondary to the use of a shorter needle in most nonobese patients (21-gauge, 1.5-inch needle for patients whose BMI was  $\leq 28 \text{ kg/m}^2$ , and 21-gauge, 2-inch needle for patients whose BMI was  $\geq 28 \text{ kg/m}^2$ ). Among other TEAEs of interest, changes on EPS rating scales and rates of akathisia reported as TEAEs were comparable between obese and nonobese patients.

## Conclusion

In obese and nonobese patients with schizophrenia, the tolerability profile of AOM 400 was comparable. AOM 400 also demonstrated comparable efficacy in obese and nonobese patients with schizophrenia. Furthermore, the percentage of patients who went from obese to nonobese was higher than the percentage of patients who went from nonobese to obese. Changes in weight parameters from the safety analyses are consistent with the metabolic profile of oral aripiprazole.<sup>3,4</sup> Nevertheless, weight gain is a common side effect of antipsychotic therapy,<sup>1</sup> and clinical guidelines recommend continuous monitoring of metabolic changes and other medication side effects in all patients undergoing treatment with atypical antipsychotic therapy.<sup>1,5</sup>

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## **Disclosure**

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