ADJUNCTIVE ANTIDEPRESSANT THERAPY FOR ACUTE BIPOLAR I DEPRESSION: A MULTI-CENTER OPEN LABEL TRIAL Nellai K Chithra¹, Hong Qian³, Yongdong Ouyang³, Shyam Sundar Arumugham², Muralidharan Kesavan², Hubert Wong³, Y.C. Janardhan Reddy², Lakshmi, N. Yatham¹

CLINICAL VA

Location of t

Inpatient

Outpatient

Number of F

Depression

Hypomania

Duration of

Duration of

Age at onset

DRUG COM

Bupropion)

upropion

Bupropion)

Escitalopra

Escitalopra

Vixed

Mania

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INTRODUCTION:

- Depressive symptoms and episodes are 3 times more common than mania¹ and are associated significant burden to the patient and the family 2 .
- There is limited and conflicting data on the efficacy of antidepressants for treatment of bipolar I depression³.
- Despite this, clinicians use antidepressants widely in clinical practice settings⁴.
- However, the clinical trials with antidepressants are sparse.

OBJECTIVES:

assess the efficacy and safety of adjunctive ΊO antidepressants (escitalopram/bupropion XL) in the treatment of acute bipolar I depression over 16 weeks.

METHODOLOGY:

Adults (≥ 18 years) with DSM –V diagnosis of acute respectively. bipolar I depression (MADRS score ≥ 20) ≥ 2 weeks but • The rates of mania (YMRS ≥ 20) and hypomat \leq 52 weeks who were on the rapeutic doses of mood (YMRS \geq 16) were 3.5% and 1.5% respectively stabilizers (lithium or divalproex) or a second-generation • There were no serious adverse events in the tria antipsychotic (SGA) (risperidone, olanzapine, quetiapine, • The median time to remission was 6 weeks. aripiprazole or ziprasidone) or their combination were • Figure 1 and 2 illustrate the survival analysis recruited from Canada, Korea, and India from 2009 to time to remission and response respectively. 2020.

Single

Married

Divorced

/idowed

ommon-Law partner

- We chose escitalopram 10-30 mg/day and bupropion XL 100-450mg/day as the antidepressants for the study as they are the most widely used antidepressants for treating bipolar depression.
- Patients were commenced on adjunctive therapy with one of these antidepressants and the trial lasted for upto 16 weeks. The dose of the medications was titrated based on response and tolerability.
- Patients were assessed every 2 weeks or more frequently depending on clinical need until 16 weeks.
- The primary outcome was remission (MADRS scores \leq from depression. The other outcomes included 8) response and switch to mania/hypomania.
- Institutional Ethics Committee approval was obtained before the commencement of the study.
- Data analysis was done using SPSS version 28.0



RESULTS:

- 209 patients were recruited and 14 patients lost to follow-up, 18 patients withdrew consent, 2 patients were not adherent to medications, 4 were excluded based on psychiatrist's opinion and unknown reasons.
- A total of 197 patients were included in the analysis (missing data = 12).
- The socio-demographic details and clinical details of these patients are tabulated in table 1 and 2 respectively.

Primary outcome:

• Change in the MADRS scores from baseline to end-point was statistically significant, as shown by the Wilcoxan signed rank test p = 0.00(Baseline = 26.5 ± 4.79 , Endpoint = 5.0 ± 5.92)

Secondary outcomes:

• The rates of remission (MADRS ≤ 8 , YMRS ≤ 8) and response (>50% reduction in the MADRS score) is 84.6% (169/197) and 78.2% (154/197)

SOCIO-DEMOGRAPHIC DETAILS **MEAN ± SD/FREQUENCY(%)** N = 197 40.28 ± 11.27 (Median - 40) years 94 (47.7) 103 (52.3) Race 172(87.3) 1(0.5) Black 23(11.7) Caucasian 1(0.5) Other **Marital status**

48(24.4)

131(66.5)

7(3.5)

8(4.1)

3(1.5)

TABLE 1: SOCIO-DEMOGRAPHIC DETAILS

ania y.		1.0 -
y. al.	nission	0.8 -
s of	nce of Rer	0.6 -
	Cumulative Incidence of Remission	0.4 -
	Cumula	0.2 -

Buproprion X Escitalopram

0.0

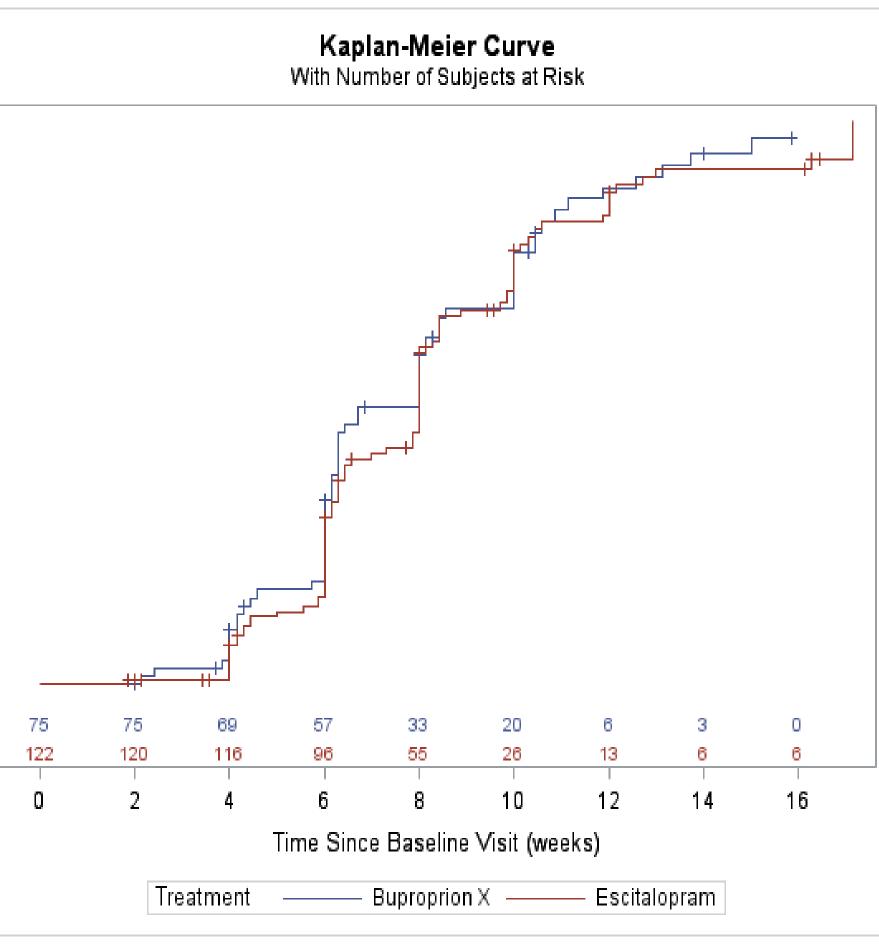
• Kaplan-Meier estimated remission at week 16 was 0.94 for Bupropion X and 0.91 for Escitalopram

TABLE 2: CLINICAL VARIABLES

RIABLES	MEAN ± SD/FREQUENCY(%)	
	N = 197	
reatment		
	5(2.5)	
	192(97.5)	
Previous mood episodes		
	2.86 ± 8.1	
	2.86 ± 8.13	
	1.61 ± 10.39	
	1.14 ± 10.0	
current episode in months	2.61 ± 2.65 (minimum 2 weeks,	
	maximum 86 weeks)	
Ilness in years	12.64 ± 9.23	
of illness in years	27.87 ± 8.7	
BINATION		
L + Mood stabilizer	32(16.2)	
L + Mood stabilizer +SGA	34(17.3)	
L + SGA	9(4.6)	
+ Mood stabilizer	52(26.4)	
+ Mood stabilizer + SGA	59(29.9)	
+ SGA	11(5.6)	

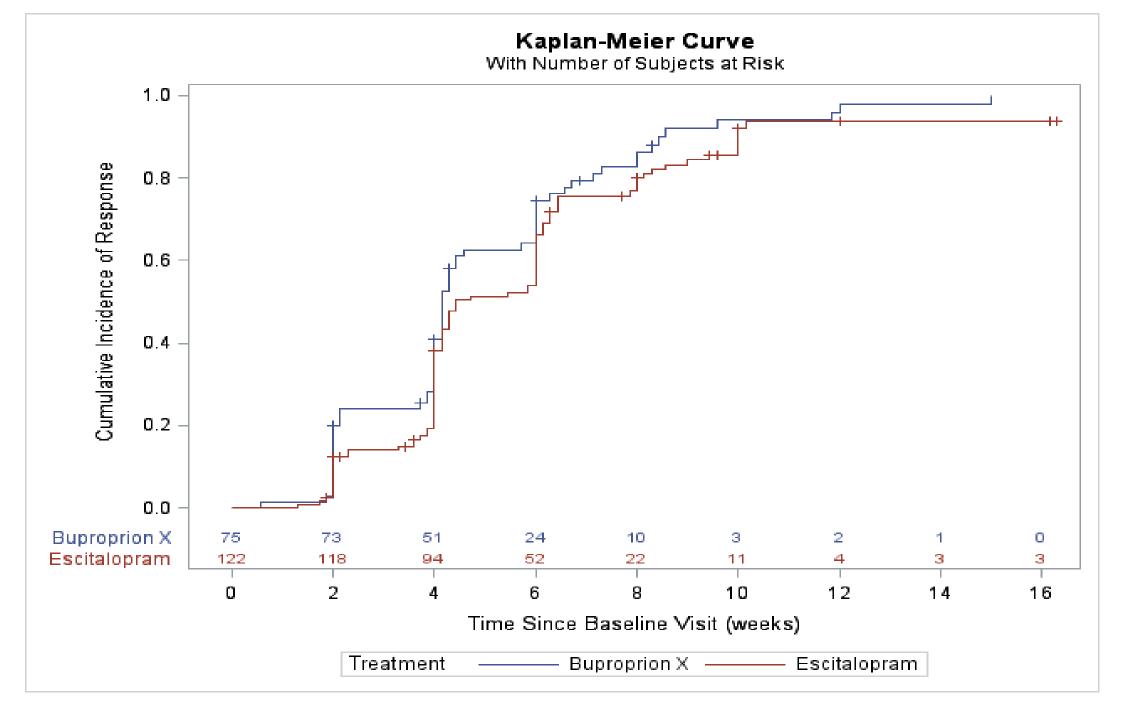
Survival analysis of time to remission

FIGURE 1: Kaplan-Meier Curve for time to remission



Survival analysis of time to response

FIGURE 2: Kaplan-Meier curve for Response



Kaplan-Meier estimated response at week 16 was 1 for Bupropion XL and 0.94 for Escitalopram.

CONCLUSION:

- depression.

REFERENCE / BIBLIOGRAPHY:

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ACKNOWLEDGEMENT:



Adjunctive antidepressant therapy with escitalopram/ bupropion is effective and safe in the treatment of bipolar I

In combination with the therapeutic doses of mood stabilizers/Second generation antipsychotics, there is lesser risk of mania/hypomania.

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