

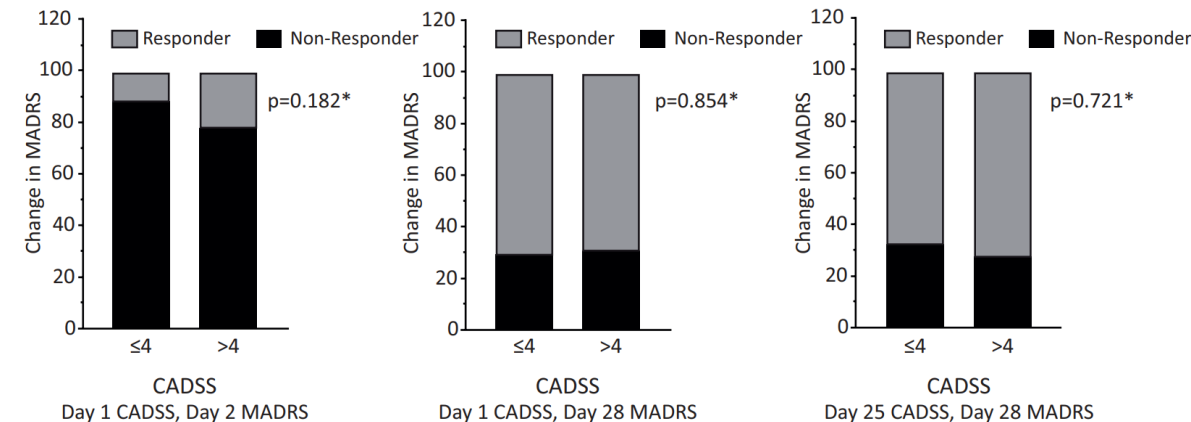
Poster Title: Evaluating the Relationship Between Esketamine Monotherapy Efficacy and Dissociation in Patients With Treatment-Resistant Depression

Is there a relationship between esketamine efficacy and dissociation?

- A new generation of antidepressants, including esketamine, have unique dissociative side effects that can lead to functional unblinding, which can confound the assessment of efficacy.
- Chen et al. 2022 reported no significant relationship between dissociation and esketamine efficacy as an **adjunctive therapy** in participants with TRD assessed by the **CADSS**.
- It is of interest to explore the association between dissociation and esketamine monotherapy.
- Methodological focus: Evaluate the relationship between dissociation and esketamine **monotherapy** efficacy in participants with TRD assessed by **TEAE reports of dissociation**.

Abbreviations: Treatment-Resistant Depression (TRD), Clinician-Administered Dissociation States Scale (CADSS), Treatment-Emergent Adverse Event (TEAE)

Figure 1. No significant difference between responders without and with dissociation at different timepoints



Responder = ≥50% improvement in MADRS total score
CADSS total score >4 = presence dissociative symptoms

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Dissociation does not appear to impact esketamine monotherapy efficacy

What we did

Conducted a post-hoc analysis to evaluate the relationship between esketamine monotherapy efficacy and dissociation in adults with TRD assessed by TEAE reports of dissociation.

What was found

No significant difference between response rates in participants with and without dissociation for both esketamine treatment groups.
(p=1.000 and p=0.796)

Conclusion

Esketamine efficacy is not dependent on dissociation.

Figure 2. Response rates among participants with and without dissociation by treatment groups

	Dissociation	No Dissociation
Placebo		
N	7	190
Responder	3 (42.9%)	27 (14.2%)
Fisher's Exact test		P=0.073
Esketamine 56 mg		
N	19	66
Responder	6 (31.6%)	20 (30.3%)
Fisher's Exact test		P=1.000
Esketamine 84 mg		
N	23	72
Responder	7 (30.4%)	20 (27.8%)
Fisher's Exact test		P=0.796