

# Esketamine Administration in an Outpatient Infusion Center: A Novel Idea for a Community Hospital

## Background

- Major depressive disorder (MDD) is a debilitating illness affecting 264 million people worldwide (Zenebe et al.,2001).
- MDD is the second most common psychiatric disorder affecting about 30% of adults over the age of sixty-four (Zenebe et al., 2001).
- Globally, about 34% of the adolescent population have been diagnosed with depression since 2001 (Shorey et al., 2022).
- The Covid-19 pandemic resulted in an elevation in these rates, prompting the necessity for evidence-based treatment options (Racine et al., 2021).
- TRD is failure of two or more antidepressant medications during a major depressive episode (Dwyer et al., 2020).
- Esketamine is a novel therapeutic treatment for treatment resistant depression (TRD) (d'Andrea et al, 2023).

#### Setting $\mathbf{O}$

- 171-bed Magnet *with Distinction*™ designated community teaching hospital in the Northeast U.S.
- The Outpatient Infusion Center (OPIC) is a 14-chair unit offering numerous medications and treatments to a diverse patient population.

## Purpose

 To identify and implement workflow and nursing practice changes to support selfadministration of esketamine, a nasal spray, in the OPIC.

Virginia Ryan, MSN, RN; Virginia Grace, BSN, RN; and Judith Driscoll, BSN, RN

### **Implementation Process**

### Consultation McLean Hospital

practices for Esketamine in an ambulatory setting

- Developed for nursing staff

# **OPIC Infusion Strategy**



### Results

- CY24 YTD: 653 completed infusions in OPIC

	18	800	
Completed Esketamine Visits CY20-CY24 YTD	16	600	
	14	400	
	12 12	200	
	Number of Completed Visits	000	
	er of Con	800	
	numb 6	600	
	۷	400	
	2	200	
		0	19



### Outcomes

Based on evaluation of initial practice changes, amendments to workflow and discharge criteria were adopted which increased the number of daily appointments available for patients to receive this therapeutic treatment.

2023 - 2024	Daily Appointments
February 2023	10
October 2023 - Present	15

### Discussion

 OPIC clinical nurse leadership contributed to the success of this initiative through the planning, implementing, and ongoing assessment of this new treatment option for patients.

By embracing change, OPIC clinical nurses have improved access for patients with TRD to receive this treatment while providing exceptional safe care to a diverse patient population in an active outpatient infusion center setting.

# **Next Steps**

Ongoing evaluation of the esketamine process to identify possible areas for improvement.

**Contact Information** 

vryan2@bwh.harvard.edu





#### Esketamine Treatments in an Outpatient Infusion Center: A Novel Strategy for the Management of Treatment Resistant Depression in a Community Hospital

#### Authors

Virginia Ryan, MSN, RN

Virginia Grace, BSN, RN

Judy Driscoll, BSN, RN

#### References

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