Mind the Gap: Exploring the Mental Health Needs of Cystic Fibrosis Patients Who Undergo Lung Transplantation



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BACKGROUND

- Adult patients with Cystic Fibrosis (CF) who undergo lung transplants face psychological challenges in the pre- and post-transplant period.¹⁻³
- There is limited data to identify specific mental health challenges and to inform how to meet these needs.

OBJECTIVES

- To explore the mental health needs of lung transplant recipients with cystic fibrosis (CF-LTR).
- To inform future interventions from the perspectives of patients, caregivers, and healthcare providers.

METHODS

Study Design: Mixed methods study using semi-structured interviews and standardized mental health screening tools.

Quantitative Data Collection:



Patient Health Questionnaire (PHQ-9): Nine-item scale to assess symptoms of depression.

Generalized Anxiety Disorder (GAD-7): Seven-item scale to assess symptoms of anxiety.

Qualitative Data Collection:

Semi-structured interviews with three groups of stakeholders:

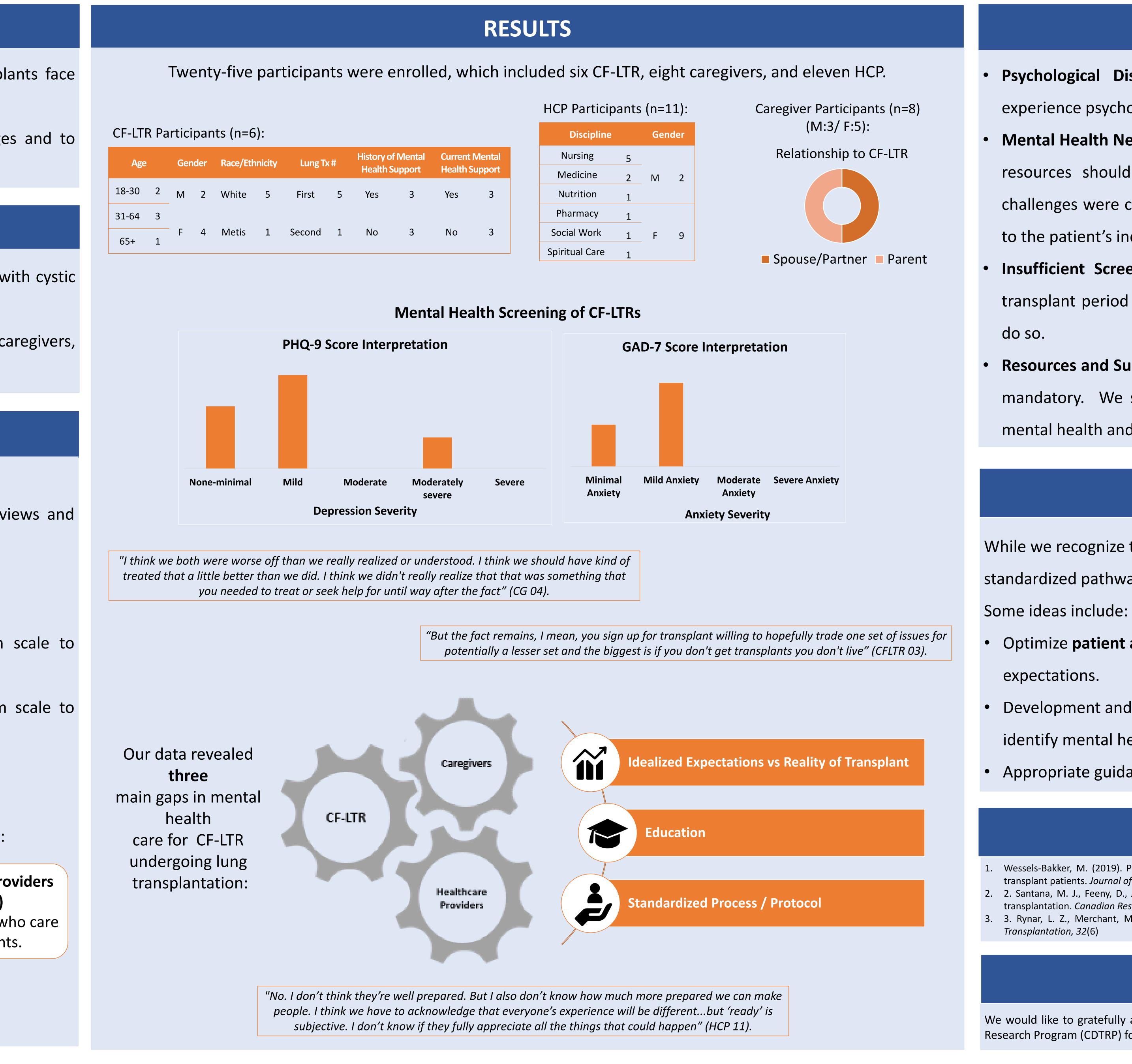
CF-LTR Patients less than 4 years post-transplant.

Caregivers Individuals who care for patients.

Healthcare Providers (HCPs) Professionals who care for patients.

Data Analysis: Thematic analysis and NVivo software.

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DISCUSSION

Psychological Distress: Qualitative data suggests most CF-LTR patients experience psychological distress before and after transplant.

 Mental Health Needs: All three groups identified that access to mental health resources should be a "mandatory" element of CF patient care; some challenges were consistent among all three groups, while some were specific to the patient's individual lived experience.

• Insufficient Screening: HCPs do not routinely screen CF-LTR in the posttransplant period for mental health needs nor do they feel well-equipped to

Resources and Support Needed: Access to mental health resources should be mandatory. We should offer a variety of diverse strategies to support the mental health and wellness needs of these patients.

CONCLUSIONS

While we recognize that an individualized approach is required, a more

standardized pathway to approach mental health needs should be developed.

Optimize **patient and caregiver education** to help manage transplant

• Development and implementation of a standardized screening process to

identify mental health needs at various points in the transplant journey.

• Appropriate guidance toward a variety of mental health tools and resources.

REFERENCES

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