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Critical Issues for COVID positive psychiatric patients in low- and middle-income countries

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A multitude of specific mental health issues have arisen from the COVID-19 pandemic. Current literature has shown that patients with pre-existing psychiatric illness may be reluctant to follow the precautions laid down, due to their lack of insight and understanding. They may not seek help when they have medical problems or fever and thus may not be tested for COVID as they do not approach authorities.¹

This paper is aimed to address some specific issues that may arise in low and middle income (LMIC) countries when a patient with an existing psychiatric illness tests positive for COVID and may need medical and psychiatric intervention at the same time.

A patient who is COVID positive and has an acute psychiatric illness or is suffering from acute substance withdrawal is a unique challenge in all settings. It may be an onerous task, especially in low resource countries, to manage such patients in a medical intensive care unit. The staff are ill equipped to handle psychiatric emergencies, and there may be a risk of violence on the part of the patient. Team management by a combination of both medical and psychiatric units is required in such cases. The patient would need admission in a restrictive environment like an inpatient psychiatric unit and at the same time would need intensive care backup if available.² COVID positive psychiatric patients would ideally need input from psychiatrists and internal medicine experts working in the same unit. At any point of time either the psychiatric disorder or the medical disorder could take priority and there may be instances where both conditions should be treated simultaneously. Some patients need isolation and primary medical treatment whereas others need medical monitoring, whilst the primary management is delivered by psychiatrists. Many patients will need individual psychotherapy, occupational therapy and help from a psychiatric social worker, so all these professions should ideally contribute to the staffing of such units.³

A problem faced by many LMICs is the shortage of personal protection equipment (PPE) needed to protect staff who are monitoring patients held in isolation during the acute phase of

the COVID infection. If there is joint care from physicians and psychiatrists, the entire psychiatric unit will need to be trained in its effective usage. That would include not only wearing and removal but also the disposal of PPE as well as basic training in infection control and sanitization procedures.⁴

Many psychiatric patients (unlike other patients with COVID infections) will need help from a psychosocial point of view to combat the dual stigma they may face (COVID-related plus mental illness-related). They may need assistance to find employment post-discharge, supervised medication, decent housing and sound social support. The nursing staff of such a joint medical/psychiatric unit would need to be trained from a medical and psychiatric point of view. Patient-nurse ratios will have to be monitored (as in a psychiatric unit) and a combination of medical and psychiatric nurses would be in joint overall charge. The nursing staff would need to monitor patients for both their mental state and undertake medical observations, if they are managing high-risk patients who are COVID positive. This will be demanding, so it is important to allow for relief and break-time from PPE. They should have access to rest periods between duties.

The 'COVID positive medical/psychiatric unit' will require guidelines to be put in place for the restraint of violent patients. There will be a need for staff to wear PPE when they perform such interventions. Additional guidelines should indicate when a patient who is COVID negative and medically fit may be discharged. They may be transferred to a non-COVID psychiatric unit in the same center or to a long-term rehabilitation unit so that psychiatric care can be continued. Keeping all this in mind, it would be prudent for the general hospital psychiatric units that form the backbone of psychiatric care in LMICs to take up the challenge of establishing COVID-positive medical/psychiatric units in the same hospital to facilitate better care for these subsets of patients.⁷

While running a COVID-positive medical/psychiatric unit there is also a need for all the staff involved to be trained in ethical considerations. It would be important to ensure that at all times there is no ethical violation or human right violation from the patient's perspective. Many psychiatric patients may not be capable of giving consent to treatment, so an evaluation of their insight into the procedures will need to be carried out. A legal representative may have to be consulted in such cases.⁸

Two other important points also need consideration. There could be interactions between the drugs used in the management of COVID and psychotropic medication. Vigilance will be required to watch for psychiatric side effects caused by drugs used in the management of COVID.⁹ It is also vital to bear in mind the possibility that emergent psychiatric symptoms could be of neuropsychiatric origin due to the COVID infection, resulting from the massive release of cytokines that sometimes occurs in that condition. A cytokine storm can have psychiatric manifestations.¹⁰

We have reviewed some critical issues that need to be considered when establishing a COVID positive joint medical/psychiatric unit in a LMIC. There are various challenges for psychiatric care in such settings. We also recognize that many LMIC lack sufficient psychiatric establishments and staff to provide such joint care. In such countries it is

imperative to put in place structures by which medical staff who are caring for COVID-positive patients with mental health problems can obtain (online) support from experts who understand the issues involved.

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