Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information website.

Elsevier hereby grants permission to make all its COVID-19-related research that is available on the COVID-19 resource centre - including this research content - immediately available in PubMed Central and other publicly funded repositories, such as the WHO COVID database with rights for unrestricted research re-use and analyses in any form or by any means with acknowledgement of the original source. These permissions are granted for free by Elsevier for as long as the COVID-19 resource centre remains active.
Correspondence

Psychiatry in Lebanon

Lebanon has a population of approximately 6.8 million people. The country has also been accommodating around 250,000 refugees from Palestine since the 1950s and 1.5 million refugees from Syria since 2010. Despite the prevalence of psychiatric disorders at 17% and a treatment gap of 89.1%, Lebanon’s mental health services remain underfunded and are usually limited to urban centres.

Mental health care in Lebanon faces many challenges, some of which include the absence of a mental health act, high stigma surrounding mental health, restricted government funding, a low general health budget, elevated costs of mental health care with inadequate insurance coverage, few inpatient psychiatric units, and a shortage of mental health professionals including psychiatrists, psychiatry nurses, and social care workers. These challenges have been aggravated by the COVID-19 pandemic, a major explosion in the port of Beirut on Aug 4, 2020, and political unrest occurring in the country since October, 2019.

To improve mental health care in a timely manner, the Lebanese Government and international organisations should focus on allocating appropriate funding for mental health services, treatment, and training for health-care workers; scaling up community services, promoting mental health through awareness campaigns, and providing appropriate psychological first aid.

In 2020, the Ministry of Public Health in Lebanon, in association with WHO and UNICEF, started a comprehensive Mental Health and Psychosocial Support action plan to address the mental health issues caused by the COVID-19 pandemic.

Additional problems caused by the Beirut explosion and political unrest highlight the compelling need for global organisations such as WHO, UNICEF, United Nations High Commissioner for Refugees, and the World Psychiatric Association to support the Middle East Psychological Association and local mental health institutions. This additional support would speed up the process of finding culturally appropriate, immediate, and effective measures to improve mental health care in Lebanon. Scientists, medical practitioners, and legislators need to formulate policies within the framework of existing mental health services to reduce the treatment gap and improve mental health of the Lebanese population. An immediate and dedicated crisis response team could be a primary initiative to deal with the current disastrous situation.

We declare no competing interests.

S M Yaser Arafat, Sheikh Sholb, Sujita Kumar Kar, Samer El Hayek
arafatdmc62@gmail.com
Department of Psychiatry, Enam Medical College and Hospital, Dhaka 1340, Bangladesh (SMYA);
Department of Psychiatry, Jawaharlal Lal Nehru Memorial Hospital, Srinagar (India) (SS);
Department of Psychiatry, King George’s Medical University, Lucknow, India (SKK); and Department of Psychiatry, American University of Beirut, Beirut, Lebanon (SEH)

1 Karam EG, Mneimneh ZN, Karam AN, et al. Prevalence and treatment of mental disorders in Lebanon: a national epidemiological survey. Lancet 2006; 367: 1000–06.
2 Khoury R, El Khoury J, Aamir J. Psychological needs and response during the COVID-19 pandemic in Lebanon. Psychol Trauma 2020; 12: 497–507.
3 World Vision. Lebanon: Beirut explosion facts and how to help. 2020. https://www.worldvision.org/disaster-relief-news-stories/lebanon-beirut-explosion-facts-how-help (accessed Aug 23, 2020).
4 The National Mental Health Programme. National action plan for the MHPSS response to COVID-19. 2020. https://www.moph.gov.lb/en/Pages/0/29465/action-plan-mentalhealth-covid19 (accessed Aug 23, 2020).

Characterising neuropsychiatric disorders in patients with COVID-19

We commend Aravindan Varatharaj and colleagues for their study on neurological and neuropsychiatric complications of COVID-19, and we echo their comments on the importance of interdisciplinary work in the clinical neurosciences. However, we are concerned by their reliance on the vague term altered mental status and the use of the term encephalopathy without reference to delirium.

The absence of delirium in the Article’s case definitions is troubling and imposes considerable constraints on the interpretation of this study, because delirium is likely to be the most frequent neuropsychiatric complication of COVID-19. Consistent with the high prevalence of delirium in most serious, acute diseases, we expect delirium to be present in at least a quarter of older patients (aged ≥65 years) with COVID-19 and more than two-thirds of severe cases. However, most reports have used non-standard terminology to describe the mental status phenotypes in COVID-19 (eg, dysexecutive syndrome, confusion, altered consciousness, or altered mental status). Of note, confusion was the fifth most common presenting feature of COVID-19 overall in the International Severe Acute Respiratory and Emerging Infection Consortium WHO study (n=20 133).

In Varatharaj and colleagues’ study, altered mental status is defined as “an acute alteration in personality, behaviour, cognition, or consciousness”. Additional, undefined terms include unspecified encephalopathy, new-onset psychosis, and neurocognitive (dementia-like) syndrome. Presuming acute onset, most of these cases probably would have fulfilled DSM-5 criteria for delirium. The authors do acknowledge a potential reporting bias, but we suggest that a broader approach to reporting of cases, for example by geriatricians and acute physicians, would have generated a more representative sample.

The issue of the damaging consequences of inconsistent terminology was the subject of a
Panel: Value of identifying delirium

Validity
- Risk factors identifiable
- High construct validity
- Its prevalence and severity predict serious outcomes (eg, hospital costs, morbidity, mortality)

Reliability
- Clear, operationalised criteria
- Facilitates systematic screening
- Clinical instruments widely available

Utility
- Prioritises prevention
- Common presenting feature of serious systemic illness
- Directs clinicians to guidelines and treatment pathways
- Draws attention to possible psychological distress
- Encourages vigilance for problematic behavioural features
- Facilitates communication with patients and carers
- Facilitates accurate coding
- Strong association with dementia and cognitive decline

As a group of senior National Health Service critical care psychologists and consultants, we would like to respond to the Article by Aravinthan Varatharaj and colleagues’ published in...