

Guidelines

I have read these guidelines and affirmations and agree to them.

AI Guidelines

I have read these guidelines and affirmations and agree to them.

Use of Generative AI

No, I have not used Generative AI

Non-Case Report Confirmation

I confirm I am not submitting a case report

Title:

Manifestations of Asthma Exacerbations Are Influenced by Psychosocial Factors under Wartime Martial Law in Ukraine

Submitter Email:

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Country

Ukraine

Funding:

University

Company or Institution providing funding:

Kharkiv National Medical University

For award eligibility, what category best applies to the primary author?

None of the Above

IRB Review:

Yes

Informed Consent:

Yes

Interest Section:

200 - Asthma Diagnosis and Treatment (ADT)

Keyword:

205. Asthma: Epidemiology, Intervention, and Public Health

Rationale:

The full-scale invasion of Ukraine has significantly increased psycho-emotional stress, particularly affecting asthma (As) patients. This study examines the relationship between levels of depression and anxiety experienced by patients with asthma during the invasion of Ukraine.

Methods:

The Hospital Anxiety and Depression Scale (HADS) and the As Symptom Control Scale were used with a score of ≥ 8 and ≥ 11 on the depression and anxiety scales, respectively, indicating subclinical and clinical disorders, respectively. The study included 34 patients with partially controlled or uncontrolled moderate As. The patients were examined in Ukraine from February 25, 2022 to the present day. The average patient age was 52.12 ± 4.34 years, ranging from 48 to 63 years with the majority being women (26, or 76.5%).

Results:

Changes in psychosocial status indicators were observed in 45.0% of patients. Anxiety and depression (both subclinical and clinically expressed) were detected in 21 (61.8%) and 8 (23.5%) patients, respectively. A combination of anxiety and depression was detected in 5 (14.7%) patients. A lack of control over As symptoms was found in 27 patients (79.4%), which correlated positively with the level of anxiety and depression ($r = 0.29, p = 0.026$ and $r = 0.28, p = 0.029$, respectively) and with patient age ($r = 0.49, p = 0.05$).

Conclusions:

Patients with as experienced significant anxiety or depression during the invasion of Ukraine, with strong links to exacerbations and age. To address war-related asthma health impacts, further research, rehabilitation, targeted medical programs, and international support are needed.

Payment Received,

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