

## EPV1026

**SCHIZOPHRENIC DREAMS: A Brief Description of Sleep Disturbances in Schizophrenia**

S. Jesus Magueta\*, A. L. Costa, G. Simões, A. I. Gomes, C. Madaíl Grego and P. Garrido

Departamento de Psiquiatria e Saúde Mental, Centro Hospitalar do Baixo Vouga, Aveiro, Portugal

\*Corresponding author.

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**Introduction:** Shakespeare wrote that “We are such stuff as dreams are made on; and our little life is rounded with a sleep.” Sleep is a fundamental part of our being, so much so, humans tend to spend one third of their lives in this immobile and vulnerable state. Disorders of sleep have been the target of much scientific curiosity and investigation, with innumerable articles, reports and books dedicated to the theme. The bidirectional relationship between psychiatric disorders and those of sleep is also well described. Schizophrenia is a heterogenous psychiatric disorder which is often associated with sleep disturbances of various kinds.

**Objectives:** The authors aim to briefly explore the relationship between schizophrenia and sleep disturbances. Potential underlying mechanisms and risk factors, as well as therapeutic interventions will be addressed.

**Methods:** The authors conducted a brief non-structured narrative literature review using articles published in the Medline/Pubmed, ScienceDirect and Google Scholar databases. The keywords used during the research, alone or in combination, included: sleep disturbance, sleep disorder and schizophrenia. The studies consulted in this work included: cross-sectional studies, cohort studies, literature reviews and clinical case reports. Works that were included, were written in the English language and deemed as pertinent to the explored theme.

**Results:** Although sleep disturbances do not make up part of the criteria formal diagnosis of schizophrenia, they are present in approximately 80% of those with the condition and have been identified as a common symptom in prodromic clinical pictures. The problems in sleep are as heterogenous as the presentations in schizophrenia, ranging from insomnia, restless legs syndrome, obstructive sleep apnea, circadian rhythm dysfunctions to hypersomnia. Sleep has been identified as fundamental for the reparation and restoration of various bodily systems, it is no surprise that sleep irregularities, especially in schizophrenia, can significantly reduce quality of life and promote deterioration. Some studies have stated the role that D2 receptors have in the classic symptoms of schizophrenia as well as on sleep disturbances. Second-generation antipsychotics have not only demonstrated much promise on psychotic symptoms, but they appear to aid in sleep regulation and quality.

**Conclusions:** Sleep is fundamental for mental health. Various sleep disturbances have been identified in those suffering with schizophrenia. Sleep disturbances have been associated with worse outcomes, more florid clinical pictures and significant deterioration. Thus, bettering sleep quality in these patients, would permit better health outcomes which are fundamental in those who live with schizophrenia.

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## EPV1027

**Postpartum insomnia in a woman who has given birth to twins : A case report**

E. Arroyo Sánchez\*, P. Setién Preciados and C. Diaz Mayoral

Hospital Universitario Príncipe de Asturias, Madrid, Spain

\*Corresponding author.

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**Introduction:** Postpartum insomnia is a significant and often overlooked mental health concern affecting mothers during the postnatal period. Sleep disturbances during this critical time can have far-reaching implications for maternal well-being and the quality of care provided to newborns.

**Objectives:** The primary objective of this review is to analyze recent clinical literature on postpartum insomnia to gain a deeper understanding of its epidemiology, clinical features, and management approaches. By synthesizing the latest research findings, this review aims to inform healthcare professionals and policymakers about the significance of postpartum insomnia and promote early recognition and intervention.

**Methods:** A case report of a 43-year-old woman in the fifth month postpartum after a twin birth who comes to the emergency department accompanied by her partner with thoughts of death and impulse phobias due to insomnia of months of evolution. Also a systematic search of the PubMed database was conducted using the keyword “Postpartum insomnia,” and articles published between 2013 and 2023 were included. A total of 20 clinical articles meeting the inclusion criteria were analyzed to provide a comprehensive overview of postpartum insomnia.

**Results:** The review reveals that postpartum insomnia is a prevalent and often underdiagnosed condition, affecting a significant proportion of new mothers. Risk factors such as maternal age, parity, social support, and hormonal fluctuations have been identified. Diagnostic challenges arise due to the overlap of symptoms with postpartum mood disorders, necessitating a comprehensive clinical assessment. Recent research emphasizes the importance of non-pharmacological interventions, including sleep hygiene education, cognitive-behavioral therapy for insomnia (CBT-I), and mindfulness-based approaches, as the first-line treatment options. However, pharmacotherapy may be considered in severe cases. Untreated postpartum insomnia has been associated with adverse maternal and infant outcomes, including impaired bonding, increased risk of postpartum depression, and developmental delays in infants.

**Conclusions:** In conclusion, postpartum insomnia is a prevalent yet often underrecognized mental health concern with multifaceted clinical implications. This review highlights the importance of early detection and intervention to mitigate its impact on maternal well-being and infant development. The integration of non-pharmacological interventions, particularly CBT-I and mindfulness-based strategies, into routine postpartum care holds promise in improving sleep quality and overall postnatal mental health. Healthcare providers should be vigilant in assessing and addressing postpartum insomnia to optimize the well-being of both mothers and infants

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