a comprehensive understanding of how resilience can be supported and enhanced in these critical professionals.
Objectives: To identify the key factors that influence psychological resilience in first responders and rescue team members during disaster response. To evaluate current research on resilience building interventions and their effectiveness in enhancing psychological resilience in these professionals. To highlight gaps in the existing literature and suggest directions for future research on supporting psychological resilience in first responders.
Methods: A thorough literature search was conducted across several databases, including Web of Science, Scopus, Cochrane, PubMed, Medline, and Embase, focusing on articles published between 2019 and 2023. The search terms used were (emergency OR disaster) AND (psychological resilience) AND (rescue workers OR first responders OR firefighters OR ambulance personnel AND prehospital emergency medical services). Articles were selected based on inclusion and exclusion criteria, and only full-text articles published in English or Turkish were considered. Qualitative synthesis was used to analyze the data and draw insights.
Results: The review reveals several critical factors affecting psychological resilience, including stress management techniques, emotional regulation strategies, social support systems, and training programs. It also identifies areas where existing research is lacking, particularly regarding specific interventions designed to bolster resilience in high-stress environments.
Conclusions: Enhancing psychological resilience in first responders is crucial for both their individual well-being and the effectiveness of disaster response efforts. This review provides valuable insights into the factors that contribute to resilience and highlights the need for targeted interventions and support systems. By addressing these factors and promoting resilience, it is possible to improve both the performance of first responders and their capacity to cope with the demands of disaster situations.
Keywords: Psychological resilience, first responders, rescue workers, mental health.

Disclosure of Interest: None Declared

EPV1252

Innovation in Suicidology: Artificial Intelligence-Based Risk Assessment

N. M. Szeifert[1,2], X. Gonda[3,4]* and C. Kerepesi[5]

[1]Department of Sports Medicine, Semmelweis University; [2]Doctoral School of Psychology, ELTE Eotvos Lorand University; [3]Department of Psychiatry and Psychotherapy; [4]NAP3.0-SE Neuropsychopharmacology Research Group, Hungarian Brain Research Program, Semmelweis University and [5]Institute for Computer Science and Control (SZTAKI), Hungarian Research Network (HUN-REN), Budapest, Hungary
*Corresponding author.
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Introduction: The use of artificial intelligence (AI) in suicide risk assessment is gaining prominence as AI algorithms are capable of processing and analyzing large volumes of data quickly. Suicide risk assessments are traditionally carried out by psychiatrists and clinical psychologists following established protocols, but AI systems can provide valuable support in this area, particularly in prevention and faster detection. Based on the collected data, AI algorithms can create predictive models that identify individuals at the highest risk. These models can take into account previous mental health disorders, suicide attempts, and other social or economic factors.
Objectives: The aim of our study was to test a suicide prediction model using an XGBoost machine learning tool.
Methods: We included 357 individuals, out of which 146 were psychiatric patients with a history of suicide attempts in their anamnesis, 154 were psychiatric patients without a history of suicide attempts, and 57 individuals formed the sine morbo control group. Initially, 71 individuals (test dataset) were randomly selected from the total 357, and the remaining sample (training dataset) was used to train the XGBoost machine learning tool. This training process involved optimizing and selecting the best parameters. Afterward, the final model was tested on the reserved test dataset consisting of 71 individuals.
Results: During the machine learning process, we were able to very accurately predict who had a history of suicide attempts and who did not, with a high performance indicated by a ROC AUC score of 0.96. This demonstrates the model's excellent ability to distinguish between individuals with and without suicide attempts based on the data used.
Conclusions: AI systems can complement traditional methods in suicide prevention, but they cannot replace human expertise. It is also important to pay attention to ethical issues, such as data protection and the reliability of these systems. AI can be a powerful tool in predicting suicide risk if properly integrated into mental health services.

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Perinatal Psychopathology and Bonding: Implications for Maternal-Infant Attachment and Infant Development

C. M. Grego[1]*, C. Araújo[1] and A. Tarelho[1]

[1]Psychiatry and Mental Health Department, Local Health Unit of Aveiro, Aveiro, Portugal
*Corresponding author.
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Introduction: Perinatal psychopathology, encompassing a spectrum of psychiatric disorders such as perinatal depression, generalized anxiety disorder, post-stress traumatic disorder (PTSD), bipolar disorder, and postpartum psychosis, has been increasingly recognized for its potential to disrupt early mother-infant interactions. These disruptions may have profound consequences on the formation of secure attachment, which is crucial for healthy infant neurodevelopment. Attachment theory posits that early relational experiences shape the foundation of emotional regulation and social functioning, making it essential to understand how maternal psychopathology influences this critical developmental period.
Objectives: This study aims to explore the impact of perinatal psychopathology on the development of attachment between mothers and their infants. Specifically, it seeks to identify how various mental health disorders affect maternal sensitivity and responsiveness, and how these alterations contribute to insecure or disorganized attachment styles in children.
Methods: A comprehensive review of the literature was conducted by searching major medical databases (e.g. PubMed and Google Scholar), giving preference to studies published between 2000 and 2024. Articles were selected based on relevance to perinatal

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