**Mental Health of Covid 19 Medical Staff**

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**Abstract:** Background: The characteristics of COVID-19, such as the long incubation period, the fast transmission speed, the high demand for treatment, and the lack of prior treatment experience, have brought tremendous psychological stress to the medical staff involved in the epidemic prevention and control, seriously affecting the mental health of medical staff. Therefore, this paper conducts a discussion on the psychological stress and mental health of medical staff. Methods: (1)Interview 28 medical staff fighting against COVID-19 from Wuhan Central Hospital and Hubei Provincial Hospital of Traditional Chinese medicine. They have worked as doctors in mental health departments, surgery departments and emergency departments, nurses and management staffs; (2)Based on interviews and literature, the questionnaire survey is conducted among 528 medical personnel from all over the country who have participated in the fight against COVID-19 in Wuhan; (3)Use the structural equation modeling to explore the influence mechanism of medical staff’s psychological stress and mental health in the prevention and control of COVID-19. Results: The epidemic severity in hospital and the work intensity are the important psychological stressors for the front-line medical staff. Self-risk perception has a mediating effect on the severity of epidemic in hospitals and mental health of medical staff. Social identification has no moderating effect between the self-risk perception and the mental health.

**Keywords:** COVID-19 pandemic, Self-risk perception, Social identification, Psychological health

**Biography: Yingui Qiu is the head of Emergency Chinese Traditional Medicine Development Center at Hubei University of Chinese Medicine. Her key research areas are Risk Management, Innovation Management, under Public Health scenarios and involved with strategic research in terms of logistics management of medical supplies, psychological stress, and mental health issues of medical staff during COVID 19 pandemic. She has national and international accreditations with her research outputs and professional collaborations. Qiu led many innovative projects and published widely in her research area apart from contributing to many professional organizations in her research focused area. She was also a visiting scholar at Ohio University.**

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