

中文題目:探討醫護人員接種新冠疫苗後不良反應

英文題目: Adverse Events Following COVID-19 Vaccination Among Health-Care Workers

作者:<sup>1</sup>蔡萬全、<sup>2</sup>盧惠敏、<sup>1</sup>董奎廷、<sup>1</sup>白玫芬、<sup>1</sup>吳泓彥、<sup>1</sup>楊如燁、<sup>1</sup>邱彥霖、<sup>1</sup>徐愷翔、<sup>3</sup>潘思宇、<sup>4</sup>朱芳業、<sup>5</sup>廖俊星、<sup>1</sup>彭渝森、<sup>1</sup>徐世平

服務單位:<sup>1</sup>亞東紀念醫院腎臟內科,<sup>2</sup>亞東紀念醫院護理部,<sup>3</sup>台大醫院腎臟內科,<sup>4</sup>亞東紀念醫院臨床病理科,<sup>5</sup>亞東紀念醫院內科部

**Background:** Data regarding the safety profiles of COVID-19 vaccination are obtained from large clinical trials. There are limited data on real-world adverse events following COVID-19 vaccination, especially in Asian population. The aim of this study was to report adverse events following COVID-19 vaccination among Asian health-care workers (HCWs).

**Methods:** We included 96 HCWs from the dialysis unit of Far Eastern Memorial Hospital, who were vaccinated with the first dose of COVID-19 vaccine. A total of 91 (95%) were vaccinated with ChAdOx1 nCoV-19 (AstraZeneca) and 5 (5%) with mRNA-1273 (Moderna). The safety profiles of vaccine were prospectively recorded via a pre-specified online self-administered questionnaire. Frequency and duration of adverse events were assessed.

**Results:** The mean ( $\pm$  SD) age of study population was  $42 \pm 9$  years, and 98% were female. Two-thirds (67%) of the participants had injection site reaction. The common systemic reactions were malaise (69%), fever (44%), myalgia (42%), sleepiness (40%), headache (32%), dizziness (30%), arthralgia (24%), and chills (23%). The vast majority (92%) of the participants reported at least one adverse event. There was no report on anaphylactic reaction. No severe adverse effect was reported. Oral medication use was reported in 54% of the participants. The most common type of medication use was acetaminophen (40%). The majority of adverse events resolved within 2 days. No hospitalization was required.

**Conclusion:** The adverse events following COVID-19 vaccination are common but well-tolerated among Asian health-care workers.