

Answers - Guidance Notes on COVID-19 Vaccination for People (Adults) with HIV (February 2022, SCAS)

Validity Period: 29 August 2022 - 28 August 2023

CME point # / CNE point: 1 / PEM point: 0 (Midwifery related)

#Please contact respective authorities directly for CME/CPD accreditation if it is not on listed below.

Accreditors	CME Point
Department of Health / HKMA/ HKAM / HKDU (for practising doctors who are not taking CME programme for specialists)	1
Anaesthesiologists	1
Community Medicine	1
Dental Surgeons	1
Emergency Medicine	1
Family Physicians	N/A
Obstetricians and Gynaecologists	1
Ophthalmologists	1
Orthopaedic Surgeons	1
Otorhinolaryngologists	0.5
Paediatricians	1
Pathologists	1
Physicians	1
Psychiatrists	1
Radiologists	N/A
Surgeons	1

- Which of the following is not a general account of COVID vaccination for people with HIV?
 - People with HIV is more indicated to receive COVID vaccine than the general population
 - COVID vaccine is safe for people with HIV
 - COVID vaccine can prevent serious illness and death from COVID in people with HIV
 - Antibody testing is advisable after vaccination in people with HIV ✓**
 - None of the above
- Which of the following is not true about the COVID vaccination programme in Hong Kong?
 - Two vaccines with different technology platform are deployed
 - A live attenuated vaccine is used ✓**
 - The second dose of CoronaVac is to be administered at least 28 days after the first dose
 - The second dose of Comirnaty is to be administered at least 21 days after the first dose
 - None of the above
- Which of the following is not generally correct about the contraindications of COVID vaccines?
 - People with severe hypersensitivity to the first dose should not be given a second dose
 - CoronaVac has more listed contraindications than Comirnaty
 - HIV per se is not a contraindication to receive COVID vaccine
 - Severe neurological condition is a contraindication to CoronaVac
 - None of the above ✓**

4. Which of the following is not true about the potential difference in characteristics of SARS-CoV-2 variants?
- Transmissibility
 - Pathogenicity
 - Impact on diagnostics
 - Impact on treatment/vaccine efficacy
 - None of the above ✓**
5. Which of the following is not true about HIV antiretroviral and COVID?
- It has been shown that HIV antiretroviral interacts with COVID vaccine
 - Some HIV antiretroviral is effective in preventing or treating COVID
 - The antiretroviral regimen sometimes require adjustment to receive COVID vaccine
 - HIV status has to be clarified if HIV antiretroviral is to be prescribed in COVID patients
 - All of the above ✓**
6. Which of the following is not a risk factor for severe disease after COVID infection?
- Age above 60
 - Presence of chronic medical illnesses
 - Low CD4 in people with HIV
 - Uncontrolled viraemia in advanced HIV disease
 - None of the above ✓**
7. Which of the following is not true about the scientific findings of vaccine response?
- People with HIV have comparable immune response to mRNA and adenovirus-vectored vaccine as the general population
 - Both Comirnaty and CoronaVac elicited reduced antibody titres towards Omicron variant as compared to wild-type virus after two doses in the general population
 - CoronaVac induced higher antibody level which also lasted longer as gauged by surrogate viral neutralisation test than Comirnaty in people with HIV ✓**
 - A third dose with Comirnaty resulted in better immune response in people who received two doses of Comirnaty or CoronaVac than people who received three doses of CoronaVac
 - None of the above
8. Which of the following is not true in considering COVID vaccine in people with HIV?
- It may be preferred to defer vaccination in people with acute/unstable HIV disease
 - Current CD4 count, HIV viral load, potential risk of exposure, vaccine effectiveness are factors affecting consideration of the timing of vaccination
 - Advanced disease patients are recommended to receive a third dose 3 weeks after the second dose ✓**
 - A fourth dose is expected to offer better protection in patients with advanced or untreated HIV
 - None of the above