

Supplementary Data 1. Questionnaire sheet

This is a questionnaire for monitoring local and systemic adverse reactions after COVID-19 vaccination. To understand the adverse reactions after receiving the COVID-19 vaccine, we are going to collect and use personal information for monitoring all respondents as follows. All information will be anonymized and fully encrypted before analysis.

PERSONAL DATA

- 1 Name : _____
- 2 Date of birth : dd/mm/yy
- 3 Gender : Female
 Male
- 4 Weight & Height : __kg/ __cm
- 5 Blood type : A
 B
 AB
 O
- 6 Employment /job : Healthcare worker (Doctor, Nurse, Pharmacists, etc.)
 Civil servant
 Student
 Private worker
 Unemployed
 Others

VACCINATION DATA

1. Type of vaccine dose 1 : Astrazeneca
 Sinopharm
 Moderna
 Novavax
 Pfizer
 Sinovac
 etc
2. Type of vaccine dose 2 : Astrazeneca
 Sinopharm
 Moderna
 Novavax
 Pfizer
 Sinovac

- etc
 Not yet vaccinated 2nd dose
 3 Type of vaccine dose 3 : Astrazeneca
 Sinopharm
 Moderna
 Novavax
 Pfizer
 Sinovac
 etc
 Not yet vaccinated 3rd dose
 3 Type of vaccine dose 4 : Astrazeneca
 Sinopharm
 Moderna
 Novavax
 Pfizer
 Sinovac
 etc
 Not yet vaccinated 4th dose
 4 Date of last vaccination : dd/mm/yy

HISTORY OF COVID-19

- 1 Covid-19 infection following dose 1 of immunization : No
 Yes
 2 Covid-19 infection following dose 2 of immunization : No
 Yes
 3 Covid-19 infection following dose 3 of immunization : No
 Yes

MEDICAL CONDITION

1. Comorbidity : No
 Yes
 2 History of allergy : No
 Food allergy
 Drug allergy
 3 Hospitalization in the last 3 months : No
 Yes
 4 History of medication in the last 6 : No

months Yes

AEFIS AND THE SEVERITY LEVELS

- 1 Pain at injection site : Absent
 Does not interfere with activity
 Interferes with activity or repeated use of non-narcotic pain reliever >24hrs
 Prevents daily Activity or repeated Use of narcotic pain Reliever
 Emergency room visit or hospitalization
- 2 Tenderness/ Soreness : Absent
 Mild discomfort to touch
 Discomfort with movement
 Significant discomfort at rest
 Emergency room (ER) visit or hospitalization
- 3 Redness/ Erythema : Absent
 2.5-5cm
 5.1-10cm
 >10 cm
 Necrosis or exfoliative dermatitis
- 4 Swelling/ induration : Absent
 2.5-5cm and does not interfere with daily activity
 5.1-10cm or interferes with daily activity
 >10 cm prevents daily activity
 Necrosis
- 5 Pruritus associated with injection : Absence of any Pruritus
 Itching localized to injection site and relieved spontaneously or With<48 hours treatment
 Itching beyond injection site not generalized or localized itching Requiring >48 hours treatment
 Itching causing inability to perform usual social & functional activities
 NA
- 6 Pain in the limb : Absent
 Does not interfere with activity
 Repeated use of nonnarcotic pain reliever >24 hours or interferes with daily activity
 Any use of narcotic pain reliever or prevents daily activity
 Emergency room (ER) visit or hospitalization
- 7 Fever : <38°C (<100.4°F)
 38.0-38.4°C(100.4-101.1°F)
 38.5-38.9°C (101.2- 102.0°F)
 39.0-40°C (102.1-104°F)

- 8 Nausea/ Vomiting : > 40°C (>104°F)
- Absent
- No interference with daily activity or 1-2 episodes/24 hours
- Some interference with daily activity or > 2 episodes/24 hours
- Prevents daily activity, requires outpatient IV hydration
- Emergency room (ER) visit or hospitalization for hypotensive shock
- 9 Headache : Absent
- No interference with daily activity
- Some interference with daily activity or Repeated use of nonnarcotic pain reliever
- Significant, prevents daily Activity or repeated Use of narcotic pain Reliever
- Emergency room (ER) visit or hospitalization
- 10 Fatigue : Absent
- No interference with daily activity
- Some interference with daily activity
- Significant, prevents daily activity
- Emergency room (ER) visit or hospitalization
- 11 Myalgia : Absent
- No interference with daily activity
- Some interference with daily activity
- Significant, prevents daily activity
- Emergency room (ER) visit or hospitalization
- 12 Acute Allergic Reaction : Absent
- No interference with daily activity
- Some interference with daily activity
- Prevents daily activity
- Emergency room (ER) visit or hospitalization
- 13 Rash : Rash Absent
- Rashes covering <10% BSA with or without symptoms (pruritus, burning, tightness)
- Rashes covering 10-30 %BSA (Body Surface Area) with or without symptoms (pruritus, burning, tightness), Interferes with daily activity
- Rashes covering >30 %BSA with or without symptoms (pruritus, burning, tightness), prevents With daily activity
- NA
- 14 Joint pain : Absent
- Does not interfere with daily activity
- Repeated use of nonnarcotic pain reliever > 24 hours or interferes with daily activity
- Any use of narcotic pain reliever or prevents daily activity
- Emergency room (ER) visit or hospitalization

- 15 Any other Systemic AE's : Absent
 Does not interfere with daily activity
 Interferes with daily activity
 Prevents daily activity
 Emergency room (ER) visit or hospitalization
- 16 Has any medication/therapy been given or taken to reduce the side effects of existing vaccinations? : _____

Supplementary Data 2. Grading Scales for Local Adverse Events and Systemic

No.	Event Name	None	Mild	Moderate	Severe	Potentially life threatening
1	Pain at injection site	Absent	Does not interfere with activity	Interferes with activity or repeated use of non-narcotic pain reliever >24hrs	Prevents daily Activity or repeated Use of narcotic pain Reliever	Emergency room visit or hospitalization
2	Tenderness/Soreness	Absent	Mild discomfort to touch	Discomfort with movement	Significant discomfort at rest	Emergency room (ER) visit or hospitalization
3	Redness/Erythema	Absent	2.5-5cm	5.1-10cm	>10 cm	Necrosis or exfoliative dermatitis
4	Swelling/induration	Absent	2.5-5cm and does not interfere with daily activity	5.1-10cm or interferes with daily activity	>10 cm prevents daily activity	Necrosis
5	Pruritus associated with injection	Absence of any Pruritus	Itching localized to injection site and relieved spontaneously or With<48 hours treatment	Itching beyond injection site not generalized or localized itching Requiring >48 hours treatment	Itching causing inability to perform usual social & functional activities	NA
6	Pain in the limb	Absent	Does not interfere with activity	Repeated use of nonnarcotic pain reliever >24 hours or interferes with daily activity	Any use of narcotic pain reliever or prevents daily activity	Emergency room (ER) visit or hospitalization
7	Fever	<38°C (<100.4°F)	38.0-38.4°C(100.4-101.1°F)	38.5-38.9° C (101.2-102.0°F)	39.0-40°C (102.1-104°F)	> 40°C (>104°F)
8	Nausea/Vomiting	Absent	No interference with daily activity or 1-2 episodes/24 hours	Some interference with daily activity or > 2 episodes/24 hours	Prevents daily activity, requires outpatient IV hydration	Emergency room (ER) visit or hospitalization for hypotensive shock

9	Headache	Absent	No interference with daily activity	Some interference with daily activity or Repeated use of nonnarcotic pain reliever	Significant, prevents daily Activity or repeated Use of narcotic pain Reliever	Emergency room (ER) visit or hospitalization
10	Fatigue	Absent	No interference with daily activity	Some interference with daily activity	Significant, prevents daily activity	Emergency room (ER) visit or hospitalization
11	Myalgia	Absent	No interference with daily activity	Some interference with daily activity	Significant, prevents daily activity	Emergency room (ER) visit or hospitalization
12	Acute Allergic Reaction	Absent	No interference with daily activity	Some interference with daily activity	Prevents daily activity	Emergency room (ER) visit or hospitalization
13	Rash	Rash Absent	Rashes covering <10% BSA with or without symptoms (pruritus, burning, tightness)	Rashes covering 10-30 %BSA (Body Surface Area) with or without symptoms (pruritus, burning, tightness), Interferes with daily activity	Rashes covering >30 %BSA with or without symptoms (pruritus, burning, tightness), prevents With daily activity	NA
14	Joint pain	Absent	Does not interfere with daily activity	Repeated use of nonnarcotic pain reliever > 24 hours or interferes with daily activity	Any use of narcotic pain reliever or prevents daily activity	Emergency room (ER) visit or hospitalization
15	Any other Systemic AE's	Absent	Does not interfere with daily activity	Interferes with daily activity	Prevents daily activity	Emergency room (ER) visit or hospitalization