Supplementary Figure: Proposed Management Algorithm for Hypersensitivity Reactions to COVID-19 Vaccines.

Allergic reactions after COVID-19 vaccine

Unvaccinated HCWs with history of previous reactions to excipients

Local reaction

Nonanaphylactic systemic reaction

Anaphylactic reactions

Delayed

Immediate

Blood test: Total IgE, tryptase levels, BAT

SPT with:
- Polyethylene glycol 2000
- Polyethylene glycol 3350
- Polyethylene glycol 4000
- Polysorbate-80
- Trometamol

ID with:
- Polyethylene glycol 3350
- Polysorbate-80
- Trometamol

Patch tests with:
- Polysorbate-80
- Polyethylene glycol 400 (PEG 400)

Positive testing

Administer an alternative vaccine or assess desensitization

Negative testing

Next dose: Administration in the Allergy Department under surveillance

Next dose: 45 minutes observation period.

No study required

If local reaction: oral antihistamines could be prescribed

Supplementary Material

(Allergy Department, Ramon y Cajal University Hospital)