Algorithm for patients with a history of anaphylaxis prior to COVID-19 vaccination

Flowchart created by Dr Shuaib Nasser and Tom Dymond

Patient has tolerated mRNA COVID-19 vaccine?

Yes

No

Modern

Pfizer

History of anaphylaxis to tromethamine\(^3\) containing CT/MRI contrast agents

No

Yes

Has tolerated drug containing tromethamine\(^2\) since anaphylaxis

No

Yes

Confirmed/suspected anaphylaxis to PEG

No

Anaphylaxis requiring >1 dose adrenaline OR other systemic allergic reaction

Yes

Seek advice and guidance from allergy clinic

Administer further dose of mRNA vaccine 1 hour after pre-dosing with cetirizine 20mg
Consider observation for 15-30mins post-dose ± cetirizine 10mg bd for 3-5 days

No

Allergic reaction to mRNA vaccine

Yes

Mild immediate/delayed urticaria/angioedema to previous dose

Administer any COVID-19 vaccine

1. Pfizer-BioNTech Monovalent BNT162b2 Comirnaty. 2. Refer to SPC section 6.1 for excipient contents of current or recent drugs. 3. Synonyms: Trometamol, Tris, or tris(hydroxymethyl)aminomethane