

Table S1. Overview of allergy testing.

Technique	Dilution	Polysorbate 80 (Tween) (1 mg/mL)	Technique	Dilution	PEG 400 Macroglol (undiluted <sup>£</sup> )	Depomedrol® (PEG 3350) (29 mg/mL)	PEG 4000 Macroglol (100 mg/mL)	COVID-19 Comirnaty® vaccine	Technique	Polysorbate 80 (Tween) (1 mg/mL)	PEG 4000 Macroglol (100 mg/mL)	COVID-19 Comirnaty® vaccine
Skin prick	1/1	-	Skin Prick	1/1000	-	NP	-	NP	BAT (serial dilutions)	-	-	-
IDT 0.05ml	1/1000	-		1/100	+	NP	+	+				
	1/100	-		1/10	NP	-	NP	+				
	1/10	-		1/1	NP	- <sup>§</sup>	NP	NP				

§ SPT were deemed negative and the patient was discharged. She reported systemic symptoms and a local reaction post-testing, interpreted in the current context as a positive result. No intradermal testing was performed with Depomedrol®.

£ Undiluted substance. Concentration was not retrieved (European Pharmacopoeia).

*Abbreviations:* NP, not performed; BAT, basophil activation testing.

Recent reports emphasize sufficient interval between testing [1, 2], stepwise increasing the concentration of each PEG [1-4], and to stepwise test PEG from a lower to a higher molecular weight [4].

#### References

1. Wenande E, Garvey LH. Immediate-type hypersensitivity to polyethylene glycols: a review. *Clin Exp Allergy*. 2016;46:907-22.
2. Sellaturay P, Nasser S, Ewan P. Polyethylene Glycol-Induced Systemic Allergic Reactions (Anaphylaxis). *J Allergy Clin Immunol Pract*. 2021;9:670-5.
3. Banerji A, Wickner PG, Saff R, Stone CA Jr, Robinson LB, Long AA et al. mRNA Vaccines to Prevent COVID-19 Disease and Reported Allergic Reactions: Current Evidence and Suggested Approach. *J Allergy Clin Immunol Pract*. 2021;9:1423-37.
4. Bruusgaard-Mouritsen MA, Jensen BM, Poulsen LK, Johansen JD, Garvey LH. Optimizing investigation of suspected allergy to polyethylene glycols. *J Allergy Clin Immunol*. 2021;27:825-3.