

C-63 Angioedema, Anaphylactoid Reaction, or Anaphylaxis in the PACU?

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Objective

After completion of this session, the participant will be able to:

- Identify at least one critical difference between anaphylactic, anaphylactoid reactions, and angioedema.

Case Stem Question

Patient is a 53 year old obese, bearded male with a known anaphylactic allergy to contrast dye who came in for a cystoscopy, left retrograde pyelogram and intraoperative fluoroscopy. The patient did undergo a general anesthetic and was reversed with sugammadex. A pre-operative discussion during the time out was done reviewing the patient's allergy to contrast and the low risk of any allergy if used only for stent placement and not injected intravenously. The intraoperative course was uneventful for the patient.

Guiding Questions for Discussion

- 1) What are the differences between anaphylactic, anaphylactoid and angioedema?
- 2) What is the likelihood of developing an allergic reaction in patients with a contrast allergy during retrograde pyelography?
- 3) How do you manage an airway emergency in the PACU?
- 4) Can patients experience anaphylaxis with exposure to sugammadex?

References

Pooli A, Brush T, Belle JD, LaGrange CA. Delayed severe anaphylactoid reaction following retrograde pyelogram: A case report. SAGE Open Med Case Rep. 2017 Dec 4;5:2050313X17745212.

Takazawa T, Tomita Y, Yoshida N, Tomioka A, Horiuchi T, Nagata C, Orihara M, Yamada MH, Saito S. Three suspected cases of sugammadex-induced anaphylactic shock. BMC Anesthesiol. 2014 Oct 17;14:92.