We report a patient with a life-threatening anaphylactic reaction to a chlorhexidine-coated central venous catheter, confirmed with a high serum level of chlorhexidine-specific IgE” Wang et al (2016).

Abstract:

IMPORTANCE: We report a patient with a life-threatening anaphylactic reaction to a chlorhexidine-coated central venous catheter, confirmed with a high serum level of chlorhexidine-specific IgE. To our knowledge, this is the first case successfully resuscitated using extracorporeal membrane oxygenation (ECMO). Great caution is required when using chlorhexidine and chlorhexidine-impregnated catheters, given that its widespread use has the potential to sensitize certain patients and may result in life-threatening anaphylaxis on subsequent exposure.

ReTweet if useful... Anaphylactic reaction to a chlorhexidine-coated central venous catheter http://ctt.ec/bNH15+ @ivteam #ivteam

Click To Tweet

OBSERVATIONS: A case report of a single patient with life-threatening anaphylactic shock to chlorhexidine, who was successfully resuscitated using ECMO.

CONCLUSIONS: We have designed a flowchart for the diagnosis and management of severe anaphylaxis. This case report highlights the potential for chlorhexidine to be a source for the
development of refractory anaphylactic shock. We suggest that ECMO may save the lives of patients with severe bronchospasm and refractory anaphylactic shock secondary to chlorhexidine.

Reference:


Thank you to our partners for supporting IVTEAM