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Povidone-iodine pleural and pericardial allergy in a polyallergic patient

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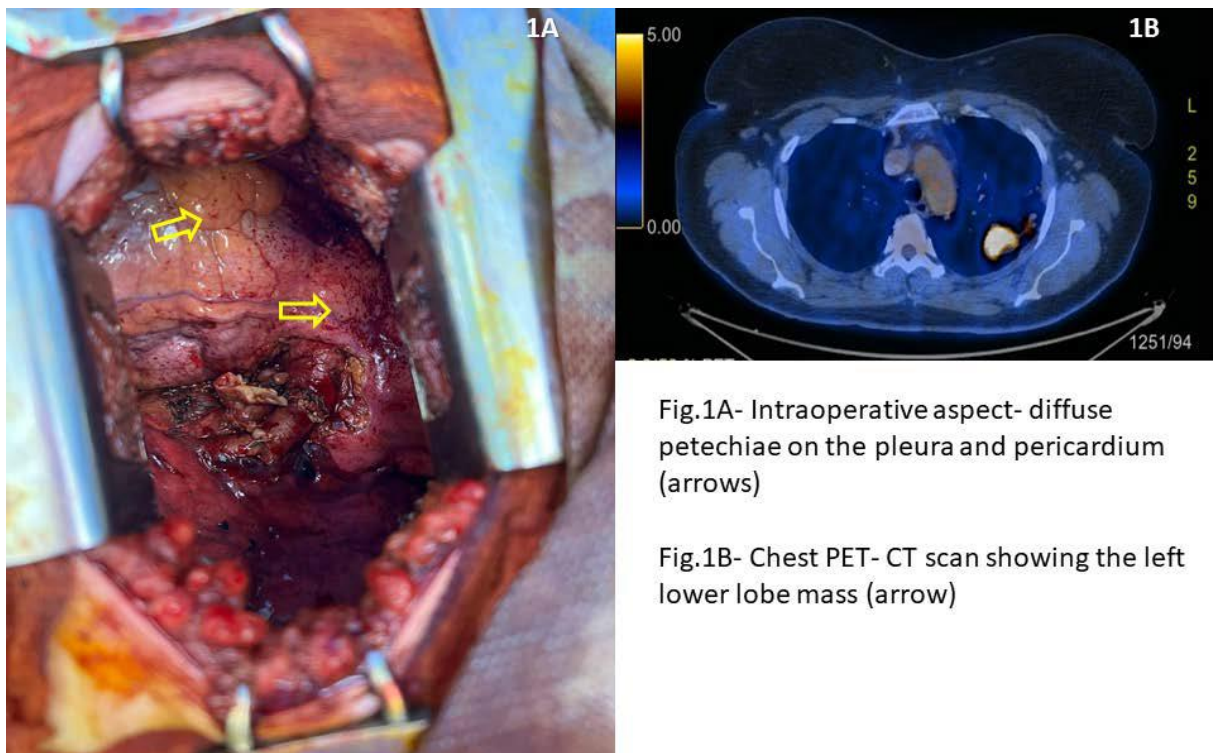


Fig.1A- Intraoperative aspect- diffuse petechiae on the pleura and pericardium (arrows)

Fig.1B- Chest PET- CT scan showing the left lower lobe mass (arrow)

Keywords: povidone-iodine, allergy, pleural hypersensitivity, pericardial

We present the case of a 53 years old woman with a known history of hypersensitivity reaction to ACE-inhibitors and penicillin, who was admitted for a lower left lobe tumor. PET-CT scan revealed a left lower lobe mass. Preoperative fibrobronchoscopy was normal. A left lower lobectomy was carried out. After the removal of the lobe, a pleural washing with 500 ml 9% normal saline and 25 ml 5% povidone-iodine was performed. The patient instantly developed a pleural and pericardial





diffuse petechial eruption. After several pleural washings with 9% sodium chloride and IV administration of epinephrine, the allergic reaction disappeared. No cutaneous allergic reaction was noticed during the patient OR skin prep with povidone-iodine.

This is a rare case of multiserous allergic reaction to a commonly used antiseptic, and, to our knowledge, little data is currently available in the literature on this topic. Still, it is a complication that should be taken into account in polyallergic patients.

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