Acute transient sialadenitits after a laparoscopic cholecystectomy

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Abstract

Statement of the Problem: Transient acute sialadenitis after anesthesia is a rare phenomenon reported after surgery, usually associated with extensive surgeries. It is a complication that is usually self-resolving and rarely may lead to airway obstruction. The most common associated causes are dehydration, anesthesia components, duct obstruction due to positioning and external compression, amongst others. Here we present the case of bilateral parotitis after an elective laparoscopic cholecystectomy in a 76 year old male.

Conclusion & Significance: In brief, acute unilateral or bilateral swelling of the parotid gland after anesthesia is a very rare occurrence. Physicians should be familiar with the transient and benign nature of this anesthesia-related complication, and they should also be prepared for urgent cases that require immediate intervention for securing the airway. According to our case, we agree with previously stated information that anesthesia components and dehydration may contribute to the development of anesthesia mumps. To prevent this complication we suggest to avoid direct compression of ducts, minimal neck manipulation in order to allow normal circulation (especially if the surgery is long or the patient is placed in prone position), to promote smooth intubation and extubation without significant straining, and to maintain optimal hydration status throughout the procedure.

Image



Figure 1: Patient with bilateral facial swelling evaluated on POD1.

Recent Publications

[1] Ozyurt, E., Sari, G. E., & Dogan, S. (2019). Acute unilateral swelling of parotid gland after general anesthesia: ANESTHESIA MUMPS. Balkan Medical Journal. https://doi.org/10.4274/balkanmedj.galenos.2019.2019.6.103

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[3] Cavaliere, F., Conti, G., Annetta, M. G., et al (2009). Massive facial edema and airway obstruction secondary to acute postoperative sialadenitis or “anesthesia mumps”: A case report. Journal of Medical Case Reports, 3(1). https://doi.org/10.1186/1752-1947-3-7073

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[5] Cozzaglio, L., Pizzocaro, A., & Cancellieri, F. (2016). Anesthesia mumps after thyroidectomy. Journal of Endocrinological Investigation, 40(3), 335–336. https://doi.org/10.1007/s40618-016-0598-2

[6] Asghar, A., Karam, K., & Rashid, S. (2015). A case of anesthesia mumps after sacral laminectomy under general anesthesia. Saudi Journal of Anaesthesia, 9, 332–333. https://doi.org/10.4103/1658-354x.154743



Biography

Dr Ríos-de Choudens is an Otolaryngology – Head and Neck Surgery resident in Puerto Rico.

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