## Accepted Manuscript

Double button battery ingestion - The "macaroon" sign

Emma Littlehales, Eric Levi, Nikki Mills, Russell Metcalfe, James Hamill

PII: S2213-5766(18)30142-8

DOI: 10.1016/j.epsc.2018.06.013

Reference: EPSC 1024

To appear in: Journal of Pediatric Surgery Case Reports

Received Date: 8 June 2018

Revised Date: 21 June 2018

Accepted Date: 23 June 2018

Please cite this article as: Littlehales E, Levi E, Mills N, Metcalfe R, Hamill J, Double button battery ingestion – The "macaroon" sign, *Journal of Pediatric Surgery Case Reports* (2018), doi: 10.1016/ j.epsc.2018.06.013.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## Double button battery ingestion – the "macaroon" sign

## Authors:

Emma Littlehales BMedSci BMBS a, Eric Levi FRACS MBBS MPH&TM b, Nikki Mills BHB, MBChB, FRACS, Dip Paeds b, Russell Metcalfe FRANZCR c, James Hamill PhD, FACS, FRACS a

Institution:

- a) Department of Paediatric Surgery, Starship Child Health, Auckland
- b) Department of Paediatric Otorhinolaryngology, Starship Child Health, Auckland
- c) Department of Paediatric Radiology, Starship Child Health, Auckland

Corresponding Author:

Emma Littlehales, Department of Paediatric Surgery, Starship Children's Hospital, 2 Park Rd, Grafton, Auckland 1023, New Zealand elittlehales@doctors.org.uk

Keywords:

Button battery, caustic ingestion, esophageal injury, foreign body ingestion, electrical injury, acetic acid

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

Declarations of interest: none

Download English Version:

## https://daneshyari.com/en/article/8810799

Download Persian Version:

https://daneshyari.com/article/8810799

Daneshyari.com