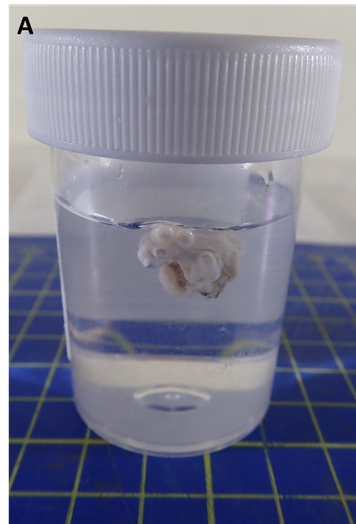
Supplementary Material

**Supplementary Table 1**: Animal husbandry and environmental conditions of the two zoological collections where cases of emphysematous ingluvitis originated.

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| --- | --- | --- |
| **Husbandry / environmental conditions** | **Zoological collection** | |
| **Z1** | **Z2** |
| **Cases** | B1-B5, B7-10 and both control birds. | B6 |
| **Enclosure** | Indoors (24ᵒC) and outdoors access. Serviced twice daily. | Indoor access (24ᵒC). Serviced twice daily. |
| **Husbandry** | Purple naped lories and Mindanao lorikeets were kept as individual breeding pairs; breeding between aviaries was not synchronized. Yellow-backed chattering lories were kept communally and as pairs. | Group of 34 rainbow lorikeets  Access to 8 nest boxes; individual breeding pairs occupied all boxes at any one time. |
| **Diet** | Commercially available nectar mix; replenished once daily outside of the nesting season and twice daily during the nesting season. Fresh fruit (apples, pears, grapes, papaya, strawberries and banana); offered once or twice daily. | Commercially available nectar mix and fresh fruit (apples, pears, grapes, papaya, pomegranate and banana); offered twice daily. |

**Supplementary Figure 1.** Case 10, emphysematous crop freely floating in 10% formalin solution due to sub-epithelial air-filled pseudocysts.

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