

**Supplemental Table 1.** Necropsy findings relating to the reproductive tract for adult female Rodrigues fruit bats between March 2017 and December 2020.

Date of death	Contraception status	Gross reproductive tract	Histopathology of reproductive tract	Cause of death
24 Mar 2017	-	NAD	n/e	Trauma
14 May 2017	-	n/e	n/e	Too autolysed for useful exam
21 Apr 2018	+* 1 month (*implant missing)	NAD small involuted uterus	n/e	Trauma
25 Sep 2018	+ 6m	n/e	n/e	Too autolysed for useful exam
03 Oct 2018	-	n/e	n/e	No post mortem examination
22 Dec 2018	-	n/e	n/e	Entrapment
06 Mar 2019	+ 5m	n/e	n/e	Entrapment
09 Apr 2019	+ 6m	NAD	n/e	Liver haemorrhage, unknown aetiology.
14 May 2019	+ 7m	NAD	NAD	Lung hyperplasia (hypersensitivity suspected)
17 Jun 2019	+ 15m	n/e	n/e	Too autolysed for useful exam
16 Jun 2019	+ 8m	n/e	n/e	Too autolysed for useful exam
28 Oct 2019	-	NAD	n/e	Trauma
09 Dec 2019	+ 14m	Right ovarian cyst measured 3.5 mm in diameter. The left ovary measured 1 mm in diameter.	Cystic follicle in one of the ovaries, lined by granulosa and theca interna cells. Uterus NAD, quiescent.	Undetermined disease process
14 Jan 2020	-	NAD	NAD	Yersiniosis
01 Mar 2020	+ 17m	Ovaries: Uterus NAD, small (1.5 mm in diameter) empty dilation in each of the uterine horns, close to the ovary.	Uterus: Moderate dilated blood vessels within the mid to superficial myometrium. Uterus appears quiescent, but autolysis limits interpretation.	Entrapment
03 Mar 2020	+ 32m	NAD	NAD	Trauma
23 Mar 2020	+ 17m	NAD	Ovary: completely quiescent with no maturing follicular activity. Uterus: very mild multifocal cystic endometrial hyperplasia and occasional mineralisation	Undetermined disease process
27 Mar 2020	-	NAD	n/e	Undetermined disease process
04 Apr 2020	+ 1m	NAD	n/e (autolysis)	Enteritis
22 Jun 2020	+ 15m	NAD small involuted uterus	NAD	Trauma
15 Sep 2020	+ 30m	Focal firm 3x5 mm nodule in one uterine horn	Uterine leiomyoma	Trauma
02 Oct 2020	+ 39m	Right ovary 4 mm, left ovary 2 mm diameter. Uterus NAD	Ovary: focal single mild chronic follicular cystic dilation Uterus: focal mild chronic cystic endometrial hyperplasia	Trauma

**Key:**

+ Contracepted (time in months)

- Not contracepted

NAD, no abnormalities detected

n/e, not examined

\*implant missing at post mortem.

Supplemental figure 1. Cause of death for Rodrigues fruit bats at Chester Zoo between 2009 and 2020.

