



10th International Penguin Conference

DUNEDIN | NEW ZEALAND – AOTEAROA 24 – 28 AUGUST 2019

ABSTRACTS – POSTER PRESENTATIONS

Note:

- The abstracts in this booklet have been directly copied from the author(s), and the Local Organising Committee have not edited them in any way.
- Students are identified for the purposes of voting for the best poster presentation.

Contents

1.	AGNEW, Philippa.....	4
2.	ALLARD, Stephanie.....	5
3.	ALLEY, Maurice.....	6
4.	AO Yuko.....	7
5.	ARRIAGADA, Maite.....	8
6.	BARBOSA, Andrés	9
7.	BARHAM, Peter	10
8.	BARREAU, Emmanuelle.....	11
9.	BARRIONUEVO, Melina	12
10.	BASTO-EYZAGUIRRE, Arianna	13
11.	BEAULIEU, Michael.....	14
12.	BORBOROGLU, Pablo Garcia	15
13.	BORBOROGLU, Pablo Garcia	16
14.	BRANSOME, Nicole	17
15.	BRIBIESCA-CONTRERAS, Fernanda.....	18
16.	CARPENTER-KLING, Tegan	19
17.	CHEREL, Yves	20
18.	CHIARADIA, Andre.....	21
19.	CHIARADIA, Andre.....	22
20.	CHRISTIANSON, Anne.....	23
21.	CIRIANI, Yanina.....	24
22.	COLE, Theresa	25
23.	COLOMBELLI-NEGREL, Diane	26
24.	CROFTS, Sarah.....	27
25.	DARNELL, Geneve	28
26.	DARNELL, Geneve	29
27.	DARNELL, Geneve	30
28.	DARNELL, Geneve	31
29.	DAVIS, Tanith	32
30.	DE BLOCQ, Andrew	33
31.	DELL'ARICCIA, Gaia.....	34
32.	DEWAR, Meagan.....	35
33.	DIAS, Maria	36
34.	DODINO, Samanta.....	37
35.	DRISCOLL, Maureen	38

36.	DYER, Bruce.....	39
37.	ELSOM, Henry	40
38.	GARLAND, Chloe Olivia	41
39.	GERALDENE, Beth	42
40.	GELDENHUYS, Deon.....	43
41.	GODOY REYES, Claudia.....	44
42.	GODOY REYES, Claudia.....	45
43.	GOLDSWORTHY, Rosalie	46
44.	GONZALEZ OLVERA, Merit	47
45.	GOWNARIS, Natasha.....	48
46.	GRAHAM, Kevin.....	49
47.	HANDLEY, Jonathan	50
48.	HERNÁNDEZ-COLINA, Arturo	51
49.	HOLT, Katie.....	52
50.	JOHNSON, Kathryn.....	53
51.	KAGAN, Ron	54
52.	LALAS, Chris.....	55
53.	LE GUEN, Camille.....	56
54.	LONG, Robin.....	57
55.	LUDYNIA, Katta.....	58
56.	LUDYNIA, Katta.....	59
57.	LUKIES, Kerry.....	60
58.	MATTERN, Thomas.....	61
59.	MATTS, Katie	62
60.	MAURER, Kyle	63
61.	MICHELOT, Candice.....	64
62.	MILLER, Rebecca	65
63.	MORANDINI, Virginia	66
64.	MORI, Yoshihisa	67
65.	NOJIMA, Daiki	68
66.	OKUBO, Michiko.....	69
67.	ORBELL, John.....	70
68.	PARDO, Celine	71
69.	PASSUNI, Giannina.....	72
70.	PINKERTON, Matthew.....	73
71.	RATZ, Hiltrun	74

72.	RATZ, Hiltrun	75
73.	REINHOLD, Sarah-Lena.....	76
74.	ROBB, Elvisa	77
75.	ROUYER, Marie-Morgane.....	78
76.	SCHNEIDER, Tom.....	79
77.	SHEWAN, Angela.....	80
78.	SNYMAN, Albert.....	81
79.	STANDER, Nicky.....	82
80.	SUZUKI, Kiyomi.....	83
81.	TIERNEY, Megan.....	84
82.	TRASNEL, Gwendoline.....	85
83.	TWORKOWSKI, Lauren.....	86
84.	VELDSMAN, Lu-Marie.....	87
85.	VIBLANC, Vincent	88
86.	WAGNER, Eric.....	89
87.	WASIAK, Paula.....	90
88.	WEIR, Jodie.....	91
89.	WELLINGTON, Pearl	92
90.	WILSON, Kerry-Jayne	93
91.	WOOD, Jamie	94
92.	WOOTTON, Tom	95
93.	YOUNG, Melanie	96

42. GODOY REYES, Claudia

Causes of mortalities of King penguins in a recently established colony in Southern Chile

Authors: Claudia Godoy Reyes (1,2), Luis Muñoz Peralta (1,2), Pablo García Borboroglu (1,3)

Author Affiliation:

(1) Global Penguin Society, Puerto Madryn, Argentina and San Francisco, CA, USA, 94107

(2) Parque Pingüino Rey, Tierra del Fuego, Chile

(3) CESIMAR CCT Cenpat-CONICET, 9120 Puerto Madryn, Chubut, Argentina

Abstract: King penguin breed on sub-Antarctic islands between latitude 45oS and 55oS. In 2010, a new colony was established at Bahía Inútil, Tierra del Fuego, Chile. The king has the longest annual cycle of any of the penguins, taking fourteen months to rear one chick. Breeding success was extremely low, with complete breeding failures for many years. Our goal was to assess the causes of chick death from 2014 to 2018. We performed post mortem examination and classified the external macroscopic signs as non-infectious (starvation, predation or unknown) or infectious. We performed necropsies on 80% of all dead chicks, registering age and morphological measures and conducting viral and histopathological analysis. In four years, most chicks died before 3 months-old due to outbreaks of infectious diseases. However, this pattern was not consistent among all years, since in 2017 most chicks (55%) died older than 5 months old and predated by grey foxes, an introduced species. The main macroscopic signs were hepatomegaly and enteritis, but it was not possible in all of the cases to precise the principal infectious agent. Infectious disease is one of the main causes of mortality in wild animals worldwide. Few studies have monitored studies on infectious signs on wild penguin populations, and this is the first one on king penguins. Our study is the starting point of a long-term health surveillance program, which is essential to detect emergent pathogens.
