

Information received on 01/03/2020 from Dr Thomas Sit, Chief Veterinary Officer / Assistant Director (Inspection & Quarantine), Agriculture, Fisheries and Conservation Department, Hong Kong Special Administrative Region Government, Hong Kong , Hong Kong (SAR - PRC)

Summary

Report type	Immediate notification
Date of start of the event	26/02/2020
Date of confirmation of the event	28/02/2020
Report date	29/02/2020
Date submitted to OIE	01/03/2020
Date event resolved	13/03/2020
Reason for notification	Emerging disease
Morbidity	1 (scale 0 to 5)
Mortality	0 (scale 0 to 5)
Zoonotic impact	Zoonotic potential unknown at this time
Causal agent	SARS-CoV-2
Related reports	Immediate notification (29/02/2020) Follow-up report No. 1 (07/03/2020) Follow-up report No. 2 (16/03/2020) Follow-up report No. 3 (28/03/2020)

New outbreaks (1)

Outbreak 1	Tai Hang, Islands District, Hong Kong					
Date of start of the outbreak	26/02/2020					
Outbreak status	Resolved (13/03/2020)					
Epidemiological unit	Other					
Affected animals	Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
	Dogs	1	1	0	0	0
Affected population	A dog kept in the same household as a confirmed COVID-19 patient. The animal did not show any relevant clinical signs.					

Summary of outbreaks	Total outbreaks: 1					
Total animals affected	Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
	Dogs	1	1	0	0	0
Outbreak statistics	Species	Apparent morbidity rate	Apparent mortality rate	Apparent case fatality rate	Proportion susceptible animals lost*	
	Dogs	100.00%	0.00%	0.00%	0.00%	
*Removed from the susceptible population through death, destruction and/or slaughter						

Epidemiology

Source of the outbreak(s) or origin of infection	Unknown or inconclusive
Epidemiological comments	The dog was placed under quarantine on 26 February 2020 after its owner was hospitalised due to COVID-19 infection. Following veterinary examination nasal, oral, rectal swabs as well as faeces were taken after the dog's admission to the quarantine facility. Nasal and oral samples tested positive for SARS-CoV-2. The dog has not exhibited any specific clinical signs. Additional samples taken on 28 February also tested positive. Investigations are continuing to determine the duration of virus detection. Risk management measures are in place for this case, including cleansing and disinfection of the premises, and proper personal hygiene and protection. Mammalian pets from households with confirmed human cases of

COVID-19 will be placed under quarantine and veterinary surveillance for 14 days. Samples will be collected for testing of SARS-CoV-2 as appropriate.

Control measures

Measures applied	Screening Traceability Quarantine Disinfection Vaccination permitted (if a vaccine exists) No treatment of affected animals
Measures to be applied	No other measures

Diagnostic test results

Laboratory name and type	Species	Test	Test date	Result
Tai Lung Veterinary Laboratory (National laboratory)	Dogs	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	28/02/2020	Positive
Tai Lung Veterinary Laboratory, Agriculture Fisheries and Conservation Department (National laboratory)	Dogs	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	27/02/2020	Positive
School of Public Health, The University of Hong Kong (Regional Reference Laboratory)	Dogs	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	27/02/2020	Positive

Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

Map of outbreak locations

