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Subject: PRO/AH/EDR> COVID-19 update (57): animal China (Hong Kong) dog, OIE

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CORONAVIRUS DISEASE 2019 UPDATE (57): ANIMAL, CHINA (HONG KONG) DOG, OIE

A ProMED-mail post

<http://www.promedmail.org>

ProMED-mail is a program of the

International Society for Infectious Diseases

<http://www.isid.org>

Date: Tue 9 Feb 2021

Source: OIE, WAHID (World Animal Health Information Database) [edited]

https://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=38033

COVID-19 (SARS-CoV-2), Hong Kong (SAR-PRC)

Information received on [and dated] 9 Feb 2021 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: 28 Jan 2021

Date of confirmation of the event: 2 Feb 2021

Report date: 9 Feb 2021

Date submitted to OIE: 9 Feb 2021

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

New outbreaks (1)

Summary of outbreaks:

Total outbreaks: 1

Outbreak location: Yuen Long, Yuen Long, Hong Kong

Date of start of the outbreak: 28 Jan 2021

Outbreak status: Continuing (or date resolved not provided)

Epidemiological unit: Other

Total animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered

Dogs / 2 / 1 / 0 / 0 / 0

Affected population: A dog exposed to a confirmed COVID-19 patient. The animal did not show any relevant clinical signs.

Outbreak statistics [rates apparent, expressed as percentages]

Species / Morbidity rate / Mortality rate / Case fatality rate / Proportion susceptible animals lost*

Dogs / 50 / 0 / 0 / 0

*Removed from the susceptible population through death, destruction, and/or slaughter

Epidemiology

Source of the outbreak(s) or origin of infection: Likely human-to-animal transmission.

Epidemiological comments: The dog was placed under quarantine on 28 Jan 2021 after exposure to a human case. Following veterinary examination, samples were taken after the dog's admission to the quarantine facility. The dog has not exhibited any specific clinical signs. 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 household with confirmed human cases 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, Agriculture Fisheries and Conservation Department (national laboratory) / Dogs / Real-time reverse transcriptase-polymerase chain reaction (RRT-PCR) / 2 Feb 2021 / Positive

School of Public Health, The University of Hong Kong (regional reference laboratory) / Dogs / RRT-PCR / 2 Feb 2021 / Positive

Future reporting

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

[The location of the outbreak can be seen on the interactive map included in the OIE report at the source URL above.]

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Communicated by:

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["Several animal species have tested positive for SARS-CoV-2, with infection being introduced to a population as a result of close contact with humans or animals infected with SARS-CoV-2 or in experimental infection studies performed in laboratory settings. The list of animal species for which information on natural or experimental infection is available is presented in Table 1."]

"People who are suspected or confirmed to be infected with SARS-CoV-2 should restrict contact with mammalian animals, including pets, just like they would with people during their illness." (Source of excerpts: Technical factsheet on infection with SARS-CoV-2 in animals, at https://www.oie.int/fileadmin/Home/MM/EN_Factsheet_SARS-CoV-2.pdf, last updated January 2021). - Mod.CRD

HealthMap/ProMED map:

Hong Kong: <https://promedmail.org/promed-post?place=8182259,198>

See Also

- COVID-19 update (49): animal, Bosnia & Herzegovina (SA) dog, OIE 20210205.8165920
- COVID-19 update (39): animal, Spain, Switzerland, mink, cat, OIE 20210129.8146532
- COVID-19 update (35): animal, South Korea (KN) cat 20210126.8138196
- COVID-19 update (22): animal, Russia (LN) St Petersburg, cat 20210117.8111937
- 2020
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- COVID-19 update (330): China (Hong Kong) animal, cat, OIE 20200724.7609215
- COVID-19 update (312): China, SARS-CoV2 origin, animal reservoir, WHO mission 20200711.7565035
- COVID-19 update (166): China (Hong Kong) animal, cat, OIE, resolved 20200508.7314521
- COVID-19 update (76): China (HU) animal, cat, owned, stray, seropositive 20200403.7179946
- COVID-19 update (75): China (Hong Kong) animal, cat, OIE 20200403.7179945
- COVID-19 update (70): China (Hong Kong) animal, cat, pets & stock 20200402.7173286
- COVID-19 update (58): Belgium, animal, cat, clinical case, RFI 20200327.7151215
- COVID-19 update (56): China (Hong Kong) animal, dog, final serology positive 20200326.7146438
- COVID-19 update (50): China (Hong Kong) animal, dog, 2nd case PCR positive, OIE 20200323.7129951
- COVID-19 update (45): China (Hong Kong) animal, dog, 2nd case PCR positive 20200319.7112693
- COVID-19 update (37): China (Hong Kong) animal, dog, prelim. serology negative 20200312.7081842
- COVID-19 update (30): China (Hong Kong) animal, dog, susp, serology pending 20200306.7057595
-crd/rd/lm

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