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Subject: PRO/AH/EDR> COVID-19 update (187): animal, Uruguay, dog, cat, OIE

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CORONAVIRUS DISEASE 2019 UPDATE (187): ANIMAL, URUGUAY, DOG, CAT, OIE

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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: Fri 28 May 2021

Source: OIE, WAHID (World Animal Health Information Database), weekly disease information 2021 [edited]

<https://wahis.oie.int/#/report-info?reportId=33930>

SARS-CoV-2 in animals (inf. with), Uruguay

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Summary

Report type: immediate notification

Start on: [17 Dec 2020]

Confirmed on: 1 Feb 2021

Reported on: 25 May 2021

Event status: ongoing

Reason for notification: emerging disease

Event morbidity (%): 50

Event mortality: -

Zoonotic potential: yes

Diagnostic details: laboratory test

Causal agent: SARS-CoV-2

New outbreaks (2)

Outbreak location 1: Montevideo, Montevideo

Started on: 22 Dec 2020

Ended on: 22 Feb 2021

Epidemiological unit: other

Total animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered or killed for commercial use / Vaccinated

Dogs / 2 / 1 / 0 / 0 / 0 / 0

Affected population description: Canine, male, 3 years old. He had no clinical signs at the time of sample collection and for the following 15 days. Samples were obtained from the nasopharynx and rectum on [22 Dec 2020] (the positive sample was from the nasopharynx) after the owner tested positive for SARS-CoV-2 on [7 Dec 2020]. The owner, who tested positive and presented fever and headache, and the wife, who tested negative for SARS-CoV-2, live in the house. A 5-year-old female Uruguayan Cimarron dog who tested negative for SARS-CoV-2 qPCR is also living in the house.

Outbreak location 2: Montevideo, Montevideo

Started on: [17 Dec 2020]

Ended on: 17 Feb 2021

Epidemiological unit: other

Total animals affected:

Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered or killed for commercial use / Vaccinated  
Cats / 2 / 1 / 0 / 0 / 0 / 0

Affected population description: Feline, male, 1 year old, neutered. He had no clinical signs at the time of sample collection and for the following 15 days. Samples were obtained from the nasopharynx and rectum on [17 Dec 2020] (the positive sample was from the nasopharynx), after the owner tested positive for SARS-CoV-2 on [12 Dec 2020]. The owner lives alone and presented transient fever with anosmia after 24 hours. He also developed fatigue and headache in the following days. The feline tested positive [and] lives with a one-year-old female cat that tested negative for SARS-CoV-2 qPCR.

Epidemiology

Source of the outbreak(s) or origin of infection: contact with ill humans

Epidemiological comments: On [14 May 2021], a research team from the University of the Republic notified the official services of the detection of SARS-CoV-2 in pet samples. The work was carried out in the framework of a CSIC project, "Specialised knowledge to face the emergency posed by COVID-19 and its impacts," led by Dr. Alejandro Benech (Faculty of Veterinary Medicine) and Dr. Yanina Panzera (Faculty of Science) and with the participation of virologists from the Faculty of Science (Dr. Santiago Mirazo). Both samples from both animals were diagnosed by qPCR during January and February 2021. The qPCR testing was all performed in duplicate, with internal controls and both negative and blank qPCR controls. After receiving the notification of the positive test, the owners followed the quarantine, hygiene, and disinfection instructions recommended to them by their healthcare providers.

Control measures at event level

Domestic control measures applied: quarantine, disinfection

Diagnostic test results

Laboratory name and type / Species / Outbreaks / Test / Test result date / Result

Secc. Genetica Evolutiva - Plat. Genomica - Fac. de Ciencias - Universidad de la Republica (national laboratory) / cats/dogs / 2 / reverse transcription-polymerase chain reaction (RT-PCR) / from 17 Dec 2020 to 3 May 2021 / positive

[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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["Although current evidence suggests that SARS-CoV-2 emerged from an animal source, likely a bat, that source has yet to be identified. The pandemic is driven by human-to-human transmission, which happens through respiratory droplets from coughing, sneezing, and talking, that can remain in the air for some time as aerosols. Genetic sequence data reveal that SARS-CoV-2 is genetically closely related to other coronaviruses circulating in *Rhinolophus* bat (horseshoe bat) populations. To date, there is not enough scientific evidence to identify the source of SARS-CoV-2 or to explain the original route of transmission to humans

(which may involve an intermediate host).

"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 presented in Table 1" [OIE Technical fact sheet, available at the URL below].

"Biosecurity and hygiene measures are key to preventing transmission of SARS-CoV-2. 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. Animals suspected or confirmed to be infected with SARS-CoV-2 should remain separated from other animals and humans while infected.

"Due to their susceptibility, some animal species are being used as models to test vaccines for use in humans. SARS-CoV-2 vaccines for use in mink and other animal species susceptible to infection with SARS-CoV-2 are in various stages of development and approval."

"The information presented in this technical factsheet reflects the epidemiological observations and research done to date and will be updated when additional information is available."

Source: OIE Technical Factsheet, "Infection with SARS-CoV-2 in Animals," available at <https://www.oie.int/app/uploads/2021/05/en-factsheet-sars-cov-2.pdf> (last updated in May 2021).

More information about the SARS-CoV-2 events in animals reported by countries to the OIE can be found in the OIE COVID-19 portal, section "Event in animals" (see "OIE Members have been keeping the OIE updated on any investigations or outcomes of investigations in animals"), at <https://www.oie.int/en/what-we-offer/emergency-and-resilience/covid-19/> (page last updated 24 May 2021). - Mod.CRD

HealthMap/ProMED map:

Montevideo, Uruguay: <https://promedmail.org/promed-post?place=8404030,5414>

## See Also

COVID-19 update (174): animal, Thailand, dog, OIE 20210518.8368402  
COVID-19 update (152): animal, Croatia, dog, OIE 20210429.8336058  
COVID-19 update (109): animal, Argentina, Italy, cat, dog, OIE 20210323.8262789  
COVID-19 update (101): animal, USA, UK variant 20210316.8251626  
COVID-19 update (93): animal, Estonia (HA) cat, OIE 20210310.8239589  
COVID-19 update (71): animal, mink, WHO/FAO/OIE risk assessment 20210218.8200008  
COVID-19 update (68): animal-human interface, OIE, mink 20210216.8195382  
COVID-19 update (65): animal, China, origin, WHO mission, Huanan market 20210214.8190188  
COVID-19 update (62): animal, Latvia (RA) cat, OIE 20210212.8187389  
COVID-19 update (60): animal, SARS-CoV-2-related viruses, pangolin, bat 20210211.8184900  
COVID-19 update (58): animal, China, origin, WHO mission 20210210.8183343  
COVID-19 update (57): animal China (Hong Kong) dog, OIE 20210210.8182259  
COVID-19 update (53): animal, mink, Denmark, zoonotic aspects 20210207.8173294  
COVID-19 update (49): animal, Bosnia & Herzegovina (SA) dog, OIE 20210205.8165920  
COVID-19 update (47): animal, Poland (PM), mink, OIE 20210204.8162830  
COVID-19 update (43): animal, China, origin, WHO mission, Huanan market 20210201.8153415  
COVID-19 update (41): animal, China, origin, WHO experts mission, visits start 20210130.8149337  
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 (29): animal, peridomestic wildlife, experimental infection 20210122.8126905

COVID-19 update (27): animal, China, origin, WHO experts mission 20210121.8124456

COVID-19 update (22): animal, Russia (LN) St Petersburg, cat 20210117.8111937

2020

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COVID-19 update (552): USA, animal, cat, dog, snow leopard, OIE 20201223.8042405

COVID-19 update (535): Denmark, animal, mink, zoonotic, cat, RFI 20201213.8015149

COVID-19 update (525): Spain, animal, zoo, lion, human 20201208.8002466

COVID-19 update (519): Switzerland (ZH) animal, cat, OIE 20201204.7993204

COVID-19 update (506): Argentina (BA, SE) animal, cat, dog, OIE 20201125.7972283

COVID-19 update (495): animal, cat, transmission model 20201119.7954363

COVID-19 update (463): Brazil (MT) animal, cat, OIE 20201031.7905784

COVID-19 update (452): Chile (RM) animal, cat, OIE 20201023.7885452

COVID-19 update (350): USA (TX) animal, cat 20200808.7658191

COVID-19 update (345): animal, cat, research, experimental infection 20200805.7648370

COVID-19 update (334): animal, Netherlands, mink, spread, UK, cat, 1st rep, OIE 20200727.7617582

COVID-19 update (330): China (Hong Kong) animal, cat, OIE 20200724.7609215

COVID-19 update (319): Spain (AR) animal, farmed mink, 1st rep 20200717.7584560

COVID-19 update (317): Netherlands (NB) animal, farmed mink, spread 20200716.7578453

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