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Subject: PRO/AH/EDR> COVID-19 update (463): Brazil (MT) animal, cat, OIE

Archive Number: 20201031.7905784

CORONAVIRUS DISEASE 2019 UPDATE (463): BRAZIL (MATO GROSSO) ANIMAL, CAT, OIE

A ProMED-mail post

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<http://www.isid.org>

Date: Thu 29 Oct 2020

Source: OIE, WAHIS [edited]

https://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=36324

SARS-CoV-2/COVID-19, Brazil

Information received on 29 Oct 2020 from Dr. Geraldo Marcos De Moraes, Director, Department of Animal Health and Livestock Supplies, Ministry of Agriculture, Livestock and Supply, Brasilia, Brazil

Summary

Report type: Immediate notification

Date of start of the event: 5 Oct 2020

Date of confirmation of the event: 16 Oct 2020

Report date: 28 Oct 2020

Date submitted to OIE: 29 Oct 2020

Reason for notification: Emerging disease

Morbidity: 1 (scale 0 to 5)

Mortality: 0 (scale 0 to 5)

Zoonotic impact: Zoonotic potential currently unknown

Causal agent: SARS-CoV-2

New outbreaks (1)

Total outbreaks: 1

Outbreak location: Cuiba, Mato Grosso

Date of start of the outbreak: 5 Oct 2020

Outbreak status: Resolved 16 Oct 2020

Epidemiological unit: Other

Total affected animals:

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

Dogs / 1 / 0 / 0 / 0 / 0

Cats / 1 / 1 / 0 / 0 / 0

Affected population: A female domestic cat (_Felis catus_) without clinical signs. Oral and nasal swabs were taken from a cat and a dog asymptomatic living in a household with COVID-19-confirmed human cases. The 1st sample from the cat, collected on 5 Oct 2020, was RT-PCR-positive at the laboratories of the 2 universities (results received on 16 and 22 Oct 2020); the 2nd sample, collected on 16 Oct 2020, was negative to the test carried out at the laboratory of the University of Mato Grosso (result received on 23 Oct 2020). The dog's samples were negative.

Outbreak statistics [rates apparent, expressed as percentages]

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

Dogs / 0 / 0 / - / 0

Cats / 100 / 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 contact with human case.

Epidemiological comments: These tests are part of a research project on pets living in households with confirmed human cases of recent SARS CoV-2 infection. The SARS CoV-2 surveillance study (PetCOVID-19 Study) is carried out within the One Health framework and is coordinated by the Federal University of Parana, with the participation of other federal universities and the cooperation with public health services in several states of the country.

Control measures

Measures applied: Quarantine; 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

Veterinary Microbiology and Molecular Biology Laboratory, Federal University of Mato Grosso (local laboratory) / Cats / Reverse transcription-polymerase chain reaction (RT-PCR) / 16 Oct 2020 / Positive

Biochemistry and Molecular Biology Laboratory, Federal University of Parana (local laboratory) / Cats / RT-PCR / 22 Oct 2020 / 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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[The following paragraph is extracted from the OIE COVID-19 Portal (<https://www.oie.int/en/scientific-expertise/specific-information-and-recommendations/questions-and-answers-on-2019novel-coronavirus/oies-response/>):

The COVID-19 pandemic has provided a new evidence that a longstanding and sustainable One Health collaboration is needed. From the start of the crisis, existing Tripartite frameworks for emergency management have been used. The OIE has participated in the WHO's International Health Regulations (2005) Emergency Committee regarding the outbreak of coronavirus disease (COVID-19) and OIE experts have supported the WHO R&D blueprint, which is a global plan that allows the rapid and coordinated activation of research and development activities.

In the following video, available at https://www.youtube.com/watch?v=UCxptQq08_0, Dr. William B. Karesh, Executive Vice-President for Health and Policy (EcoHealth Alliance) and President of the OIE Working Group on Wildlife Disease, explains the importance of a One Health approach.

A guideline on considerations for sampling, testing and reporting of SARS-CoV-2 in animals, prepared by the OIE Preparedness and Resilience Department and the OIE ad hoc Group on COVID-19 and the human-animal interface, is available at https://www.oie.int/fileadmin/Home/MM/A_Sampling_Testing_and_Reporting_of_SARS-CoV-2_in_animals_3_July_2020.pdf. - Mod.CRD

HealthMap/ProMED-mail map:

Mato Grosso, Brazil: <https://promedmail.org/promed-post?place=7905784,4046>

See Also

COVID-19 update (461): animal, Sweden, mink, 1st case, RFI 20201030.7903582
COVID-19 update (458): animal, Italy, mink, RFI 20201028.7897986
COVID-19 update (452): Chile (RM) animal, cat, OIE 20201023.7885452
COVID-19 update (450): animal, cattle, research, experimental infection 20201022.7883213
COVID-19 update (448): animal, raccoon dog, research, experimental infection 20201022.7880283
COVID-19 update (445): animal, Netherlands, Denmark, mink, spread, epidemiology 20201019.7873326
COVID-19 update (439): animal, Denmark, mink, spread, control 20201014.7861560
COVID-19 update (437): animal, Netherlands, Denmark, mink, spread, control 20201013.7858915
COVID-19 update (433): animal, Denmark (ND, MJ) farmed mink, spread, control 20201010.7851707
COVID-19 update (430): animal, USA (UT) mink 20201009.7847704
COVID-19 update (425): animal, Denmark (ND) farmed mink, spread, control 20201004.7835635
COVID-19 update (417): Japan (TK) animal, dog, OIE 20200927.7817541
COVID-19 update (414): animal, Netherlands (LI), Denmark (ND), farm mink, spread 20200925.7813579
COVID-19 update (406): animal, Netherlands (LI), Denmark (ND), farm mink, spread 20200918.7794239
COVID-19 update (401): Netherlands (NB), Denmark, farmed mink, spread 20200914.7777661
COVID-19 update (394): Netherlands (NB) animal, farmed mink, spread 20200908.7759382
COVID-19 update (387): Netherlands, mink, animal & public health, research 20200902.7740793
COVID-19 update (382): Netherlands, animal, farmed mink, spread, control 20200830.7730463
COVID-19 update (376): animal, ferret, mink, comment 20200827.7721923
COVID-19 update (366): animal, USA (UT) mink 20200818.7692815
COVID-19 update (364): USA (NC, NY) animal, dog, comment 20200818.7689234
COVID-19 update (363): animal, Denmark (ND) Netherlands (NB,LI) mink, spread 20200817.7687830
COVID-19 update (360): USA (NC, NY) animal, dog, comment 20200815.7681907
COVID-19 update (355): USA (NC) animal, dog 20200813.7672505
COVID-19 update (350): USA (TX) animal, cat 20200808.7658191
COVID-19 update (346): USA (LA) animal, dog, conf 20200805.7648734
COVID-19 update (345): animal, cat, research, experimental infection 20200805.7648370
COVID-19 update (340): animal, China, enviro monitoring, Netherlands (NB), mink 20200801.7635820
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 (324): Netherlands (NB) animal, farmed mink, spread 20200719.7591013
COVID-19 update (322): USA (SC) animal, dog 20200719.7588843
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

COVID-19 update (312): China, SARS-CoV2 origin, animal reservoir, WHO mission 20200711.7565035
COVID-19 update (308): USA (TX) animal, dog conf. 20200708.7554832
COVID-19 update (299): USA (GA) animal, dog conf 20200703.7535112
COVID-19 update (284): Denmark (ND) animal, farmed mink, spread, dog 20200624.7506728
COVID-19 update (281): Netherlands (NB, LI) farmed mink, spread, animal, global 20200623.7502849
COVID-19 update (280): animal, pangolin, research 20200623.7502805
COVID-19 update (267): animal, domestic, wild, cat, research 20200617.7480013
COVID-19 update (266): Denmark (ND) animal, farmed mink, 1st rep 20200617.7479510
COVID-19 update (251): Netherlands (NB, LI) animal, farmed mink, spread, culling 20200610.7453845
COVID-19 update (248): Netherlands (NB, LI) animal, mink, spread, culling, cat 20200609.7446478
COVID-19 update (238): USA (MN) animal, cat 20200605.7429133
COVID-19 update (236): Netherlands (NB, LI) animal, farmed mink, spread, culling 20200604.7427849
COVID-19 update (231): USA (NY) animal, dog conf. 20200602.7420541
COVID-19 update (230): Netherlands (NB, LI) animal, farmed mink, spread, control 20200602.7420433
COVID-19 update (227): animal, cat, dog, research, experimental infection 20200601.7416648
COVID-19 update (215): Netherlands (NB) animal, mink-to-human, epidem., control 20200527.7385049
COVID-19 update (212): Russia (Moskva) animal, cat, OIE 20200526.7379578
COVID-19 update (209): Netherlands (NB) farmed mink, animal-to-human, cat, epid 20200525.7375359
COVID-19 update (198): Netherlands (NB) farmed mink, animal-to-human infect susp 20200520.7359976
COVID-19 update (189): Netherlands (NB) animal, farmed mink, research, cat, dog 20200517.7344274
COVID-19 update (183): Japan/USA, animal, research, cat, experimental infection 20200514.7337185
COVID-19 update (181): Germany (BY), France (AC), cat, OIE animal case definition 20200513.7332909
COVID-19 update (177): Netherlands (NB) animal, farmed mink, Spain (CT) cat susp 20200512.7328587
COVID-19 update (174): Netherlands (NB) animal, farmed mink, comment 20200511.7323845
COVID-19 update (169): Netherlands (NB) animal, farmed mink, spread, rabbit susp 20200509.7316646
COVID-19 update (166): China (Hong Kong) animal, cat, OIE, resolved 20200508.7314521
COVID-19 update (154): Netherlands (NB) animal, farmed mink, research 20200503.7294846
COVID-19 update (149): France (IF) animal, cat, owned 20200501.7289409
COVID-19 update (146): Netherlands (NB) animal, farmed mink, epidemiology 20200501.7286113
COVID-19 update (143): USA (NY) animal, zoo, tiger, lion, tests 20200430.7284183
COVID-19 update (141): India, animal, wild tiger, susp, clarification, RFI 20200430.7281768
COVID-19 update (138): India, animal, wild tiger, fatal 20200428.7275765
COVID-19 update (135): Netherlands (NB) animal, farmed mink 20200427.7272289
COVID-19 update (130): USA (NY) animal, zoo, tiger, lion, new cases 20200425.7266556
COVID-19 update (124): USA (NY) animal, cat, lion, OIE 20200423.7259119
COVID-19 update (123): USA (NY) animal, cat, conf 20200422.7256272
COVID-19 update (113): USA (NY) cat, animal, susp, RFI 20200418.7240811
COVID-19 update (88): Germany, animal, research, pig, chicken, bat, ferret 20200407.7196506
COVID-19 update (85): USA (NY) animal, tiger, OIE 20200406.7191480
COVID-19 update (84): USA animal, tiger 20200406.7191352
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
COVID-19 update (22): companion animal, dog susp, RFI 20200229.7036661
COVID-19 update (17): China, animal reservoir, wildlife trade & consumption ban 20200225.7024245
COVID-19 update (11): animal reservoir, intermediate hosts, pangolin susp. 20200220.7009213

COVID-19 update (08): companion animal, RFI 20200218.7002276

COVID-19 update (06): animal reservoir, intermediate hosts 20200217.6997782

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