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Subject: PRO/AH/EDR> COVID-19 update (395): animal, UK, dog, OIE

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CORONAVIRUS DISEASE 2019 UPDATE (395): ANIMAL, UK, 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: Wed 10 Nov 2021

Source: OIE-WAHIS (World Animal Health Information System) 2021 [edited]

<https://wahis.oie.int/#/report-info?reportId=42489>

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

Summary

Report type: immediate notification

Start on: 29 Oct 2021

Confirmed: 5 Nov 2021

Reported: 10 Nov 2021

Ended: 5 Nov 2021

Reason for notification: emerging disease

Event morbidity (%): 100

Event mortality: -

Zoonotic potential: no

Diagnostic details: laboratory test

Causal agent: SARS-CoV-2

New outbreaks

Summary of outbreaks

Total outbreaks (1)

Outbreak location: Runnymede, Surrey, England

Started: 29 Oct 2021

Ended: 5 Nov 2021

Epidemiological unit: not applicable

Total animals affected:

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

Dog / 1 / 1 / 0 / 0 / 0 / 0

Affected population: a pet dog (the only pet present) from a COVID-19 positive household was presented with sudden onset pyrexia,

lethargy, inappetence, and increased respiratory rate to a veterinary hospital at which it had surgery (thoracotomy to remove a thymoma) within the previous weeks. The dog had been recovering uneventfully. Both owners of the dog had developed COVID-19 symptoms over the preceding 2-3 days before the dog developed these clinical signs. The dog was examined by the attending veterinarian, and whilst mild respiratory signs were observed these cannot be exclusively attributed to SARS-CoV-2. The dog has responded to symptomatic treatment. Swab samples were collected from the dog on [29 Oct 2021]: pharyngeal swab (in media), rectal swab, rectum swab, and a conjunctival swab. All were submitted to APHA Weybridge for SARS-CoV-2 testing. RNA from the pharyngeal swab tested positive for SARS-CoV-2 RNA (E and RdRp genes), but all other swab samples were negative.

Epidemiology

Source of the outbreak(s) or origin of infection: direct contact with COVID-19 positive owners (confirmed by official public health PCR testing).

Epidemiological comments: there are no other pets in the household. The case is considered resolved. Conclusions: there is sufficient evidence that the dog was infected with SARS-CoV-2. However, there is insufficient evidence to demonstrate if the dog was clinically affected by the virus. Origin of the infection is considered likely to be direct contact with persons diagnosed with COVID-19 in the same household. Nota bene: the outbreak location used is that of the National Reference Laboratory, APHA Weybridge for data protection reasons.

Diagnostic test results

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

Animal and Plant Health Agency (APHA), Weybridge (national laboratory) / Dog / 1 / Real-time reverse transcription polymerase chain reaction (rRT-PCR)/ 3 Nov 2021 / Positive

Animal and Plant Health Agency (APHA), Weybridge (national laboratory) / Dog / 1 / Real-time reverse transcription polymerase chain reaction (rRT-PCR)/ 2 Nov 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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[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/#ui-id-3> (page last updated 14 Nov 2021).

The 6th OIE situation report on SARS-CoV-2 in animals, published on 31 Oct 2021, is available at <https://www.oie.int/app/uploads/2021/11/sars-cov-2-situation-report-6.pdf>. - Mod.CRD

HealthMap/ProMED map of England, United Kingdom: <https://promedmail.org/promed-post?place=8699698,68242>

See Also

COVID-19 update (389): animal, UK, dog 20211113.8699640

COVID-19 update (384): animal, France, variant B.1.160, dog, clinical, research 20211110.8699586

COVID-19 update (379): animal, UK, cat, dog, heart disease 20211107.8699496

COVID-19 update (342): animal, Myanmar, dog, OIE 20211009.8698934

COVID-19 update (292): animal, UK, dog, OIE 20210825.8621632

COVID-19 update (187): animal, Uruguay, dog, cat, OIE 20210529.8404030

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 (57): animal China (Hong Kong) dog, OIE 20210210.8182259

COVID-19 update (49): animal, Bosnia & Herzegovina (SA) dog, OIE 20210205.8165920
2020

COVID-19 update (552): USA, animal, cat, dog, snow leopard, OIE 20201223.8042405
COVID-19 update (516): China (Hong Kong) animal, dog, Lithuania, mink, OIE 20201203.7986508
COVID-19 update (506): Argentina (BA, SE) animal, cat, dog, OIE 20201125.7972283
COVID-19 update (485): animal, Italy, dog 20201111.7934864
COVID-19 update (448): animal, raccoon dog, research, experimental infection 20201022.7880283
COVID-19 update (417): Japan (TK) animal, dog, OIE 20200927.7817541
COVID-19 update (364): USA (NC,NY) animal, dog, comment 20200818.7689234
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 (346): USA (LA) animal, dog, conf 20200805.7648734
COVID-19 update (322): USA (SC) animal, dog 20200719.7588843
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 (231): USA (NY) animal, dog conf. 20200602.7420541
COVID-19 update (227): animal, cat, dog, research, experimental infection 20200601.7416648
COVID-19 update (189): Netherlands (NB) animal, farmed mink, research, cat, dog 20200517.7344274
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 (25): China (Hong Kong) dog, susp, OIE 20200302.7040373
COVID-19 update (22): companion animal, dog susp, RFI 20200229.7036661

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