Diagnostics in Covid

Outbreaks are as much a communications issue as a technical issue



SUBMIT INFORMATION

Published Date: 2022-01-08 22:40:03

Subject: PRO/AH/EDR> Avian influenza (12): Eurasia, poultry, wild bird, HPAI H5N1, epidemiology

Archive Number: 20220108.8700740

AVIAN INFLUENZA (12): EURASIA, POULTRY, WILD BIRD, HPAI H5N1, EPIDEMIOLOGY

A ProMED-mail post http://www.promedmail.org

ProMED-mail is a program of the

International Society for Infectious Diseases

http://www.isid.org

In this posting:

[1] UK and Europe: poultry and wild birds, spread, epidemiology

[2] Israel (Hula Valley): cranes, epidemiology and control, scientists' views

[1] UK and Europe: poultry and wild birds, spread, epidemiology

Date: Fri 7 Jan 2022

Source: The Scientist [abridged, edited]

https://www.the-scientist.com/news-opinion/avian-flu-case-numbers-soar-in-europe-69588

"The Scientist" spoke with UK Chief Veterinary Officer Christine Middlemiss about the current avian flu outbreak, the health and economic effects of the disease, and efforts to combat it.

The Scientist (TS): What does a typical avian flu season look like?

... Read More



Published Date: 2022-01-07 01:48:07

Subject: PRO/AH/EDR> Lassa fever - West Africa (01): Nigeria

Archive Number: 20220107.8700707

LASSA FEVER - WEST AFRICA (01): NIGERIA

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: Sun 26 Dec 2021

Source: Nigeria Center for Disease Control (NCDC) [edited]

https://bit.ly/2KTJfrL

Key points

Current week (51): 20-26 Dec 2021 / Cumulative 2021 weeks 1-51 / Cumulative 2020 weeks 1-51

- Suspected cases: 193 / 4482 / 6668
- Confirmed cases: 29 / 482 / 1175
- Probable cases: 0 / 5 / 14
- Deaths: 3 / 99 / 242
- Case fatality rate (CFR [%]): 10.3 / 20.5 / 20.6
- Number of states affected: 4 / 17 / 27
- Local government areas (LGAs) affected: 12 / 67 / 130

Published Date: 2022-01-09 16:03:42

Subject: PRO/AH/EDR> Avian influenza, human (02): China (GD) H9N2

Archive Number: 20220109.8700749

AVIAN INFLUENZA, HUMAN (02): CHINA (GUANGDONG) H9N2

Published Date: 2021-12-28 23:57:22

Subject: PRO/PL> Undiagnosed smut, teff - Ethiopia

Archive Number: 20211228.8700555

UNDIAGNOSED SMUT, TEFF - ETHIOPIA

Published Date: 2022-01-03 11:16:34

Subject: PRO/AH/EDR> Undiagnosed deaths - South Sudan: (JG) RFI

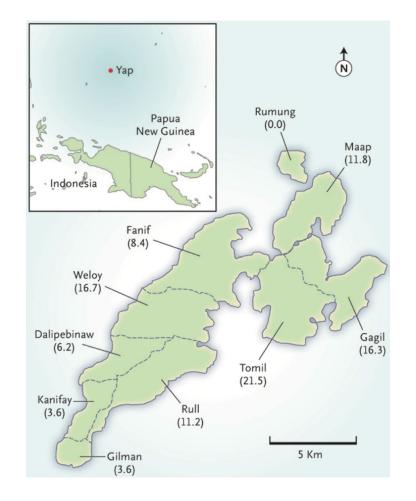
Archive Number: 20220103.8700639

UNDIAGNOSED DEATHS - SOUTH SUDAN: (JONGLEI) REQUEST FOR INFORMATION

ORIGINAL ARTICLE

Zika Virus Outbreak on Yap Island, Federated States of Micronesia

Mark R. Duffy, D.V.M., M.P.H., Tai-Ho Chen, M.D.,
W. Thane Hancock, M.D., M.P.H., Ann M. Powers, Ph.D.,
Jacob L. Kool, M.D., Ph.D., Robert S. Lanciotti, Ph.D., Moses Pretrick, B.S.,
Maria Marfel, B.S., Stacey Holzbauer, D.V.M., M.P.H.,
Christine Dubray, M.D., M.P.H., Laurent Guillaumot, M.S., Anne Griggs, M.P.H.,
Martin Bel, M.D., Amy J. Lambert, M.S., Janeen Laven, B.S., Olga Kosoy, M.S.,
Amanda Panella, M.P.H., Brad J. Biggerstaff, Ph.D., Marc Fischer, M.D., M.P.H.,
and Edward B. Hayes, M.D.

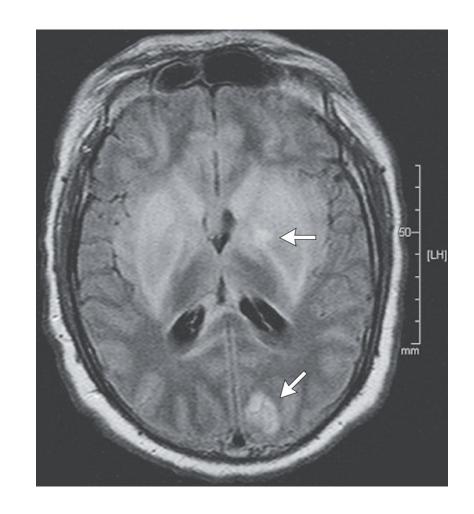


BRIEF REPORT

A Variegated Squirrel Bornavirus Associated with Fatal Human Encephalitis

Bernd Hoffmann, D.V.M., Dennis Tappe, M.D., Dirk Höper, M.Sc., Christiane Herden, D.V.M., Annemarie Boldt, M.D., Christian Mawrin, M.D., Olaf Niederstraßer, M.D., Tobias Müller, M.D., Maria Jenckel, M.Sc., Elisabeth van der Grinten, D.V.M., Christian Lutter, D.V.M., Björn Abendroth, M.Sc., Jens P. Teifke, D.V.M., Daniel Cadar, D.V.M., Ph.D., Jonas Schmidt-Chanasit, M.D., Rainer G. Ulrich, Ph.D., and Martin Beer, D.V.M.

N Engl J Med 2015;373:154-62. DOI: 10.1056/NEJMoa1415627



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N Engl J Med 2015;373:154-62. DOI: 10.1056/NEJMoa1415627



Epidemiologic Notes and Reports

Pneumocystis Pneumonia --- Los Angeles

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Pneumocystis Pneumonia --- Los Angeles



Vol. 292 No. 15

TRANSFUSION-ASSOCIATED HEPATITIS — FEINSTONE ET AL.

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TRANSFUSION-ASSOCIATED HEPATITIS NOT DUE TO VIRAL HEPATITIS TYPE A OR B

STEPHEN M. FEINSTONE, M.D., ALBERT Z. KAPIKIAN, M.D., ROBERT H. PURCELL, M.D., HARVEY J. ALTER, M.D., AND PAUL V. HOLLAND, M.D.

Abstract Twenty-two patients who had an episode of transfusion-associated hepatitis not positive for hepatitis B antigen were examined for development of antibody to hepatitis A and B antigens, cytomegalovirus and Epstein-Barr virus. Antibody response to the 27-nm virus-like hepatitis A antigen was measured by immune electron microscopy. In none of the 22 patients studied did serologic evidence of infection with hepatitis A virus develop during the study

period. Nine of the 22 patients had antibody responses to cytomegalovirus, but it was difficult to relate these seroconversions to their hepatitis. In addition, all 22 patients had pre-existing antibody to the Epstein-Barr virus. It seems likely that at least a proportion of such antigen-negative transfusion-associated hepatitis is caused by other infectious agents, not yet identified. (N Engl J Med 292:767-770, 1975)



Outbreak of Acute Illness -- Southwestern United States, 1993

Beginning in May 1993, cases of acute illness characterized by fever, myalgias, headache, and cough, followed by rapid development of Department of Health (CDH), and Utah Department of Health (UDH). This report presents preliminary findings from an ongoing inves

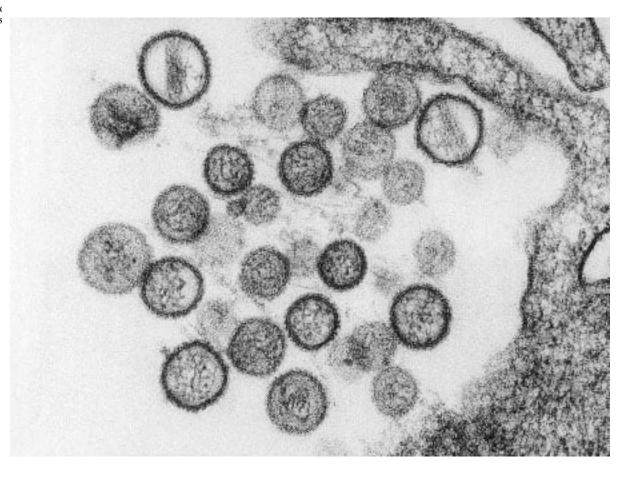


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Update: Outbreak of Hantavirus Infection -- Southwestern United States, 1993



BRIEF REPORT

A Novel Coronavirus from Patients with Pneumonia in China, 2019

Na Zhu, Ph.D., Dingyu Zhang, M.D., Wenling Wang, Ph.D., Xingwang Li, M.D., Bo Yang, M.S., Jingdong Song, Ph.D., Xiang Zhao, Ph.D., Baoying Huang, Ph.D., Weifeng Shi, Ph.D., Roujian Lu, M.D., Peihua Niu, Ph.D., Faxian Zhan, Ph.D., Xueiun Ma, Ph.D., Dayan Wang, Ph.D., Wenbo Xu, M.D., Guizhen Wu, M.D., George F. Gao, D.Phil., and Wenjie Tan, M.D., Ph.D., for the China Novel Coronavirus Investigating and Research Team

Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China



Chaolin Huang*, Yeming Wang*, Xingwang Li*, Lili Ren*, Jianping Zhao*, Yi Hu*, Li Zhang, Guohui Fan, Jiuyang Xu, Xiaoying Gu, Zhenshun Cheng, Ting Yu, Jiaan Xia, Yuan Wei, Wenjuan Wu, Xuelei Xie, Wen Yin, Hui Li, Min Liu, Yan Xiao, Hong Gao, Li Guo, Jungang Xie, Guangfa Wang, Rongmeng Jiang, Zhancheng Gao, Qi Jin, Jianwei Wang†, Bin Cao†

Background A recent cluster of pneumonia cases in Wuhan, China, was caused by a novel betacoronavirus, the Lancet 2020; 395: 497-506 2019 novel coronavirus (2019-nCoV). We report the epidemiological, clinical, laboratory, and radiological characteristics and treatment and clinical outcomes of these patients.

Methods All patients with suspected 2019-nCoV were admitted to a designated hospital in Wuhan. We prospectively collected and analysed data on patients with laboratory-confirmed 2019-nCoV infection by real-time RT-PCR and next-generation sequencing. Data were obtained with standardised data collection forms shared by WHO and the first appeared at thelancet.com International Severe Acute Respiratory and Emerging Infection Consortium from electronic medical records. Researchers also directly communicated with patients or their families to ascertain epidemiological and symptom data. Outcomes were also compared between patients who had been admitted to the intensive care unit (ICU) and those who had not.

January 24, 2020 https://doi.org/10.1016/ 50140-6736(20)30183-5

This online publication has been

See Comment pages 469 and

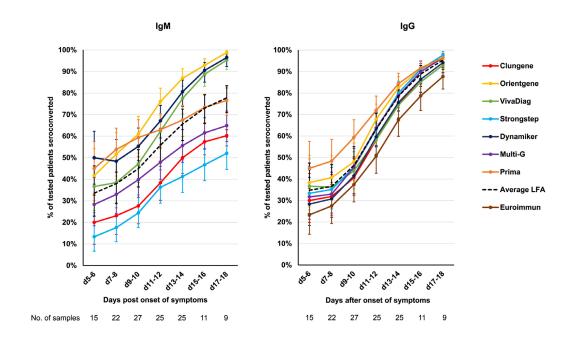
*Contributed equally

floint corresponding authors

Availability



- Availability
- Sensitivity/specificity



- Availability
- Sensitivity/specificity
- Equity



- Availability
- Sensitivity/specificity
- Equity
- Home testing



Thank you!