

Outbreak of Crimean-Congo Hemorrhagic Fever (CCHF) During Eid-ul-Azha

Summaya Aftab^{*}, Namrita Rai, Aleena Baig, Faine Crimbly, Nathaline Fernandes and Syed Uzair Mahmood

Jinnah Sindh Medical University, Karachi, Sindh, Pakistan

***Corresponding author:** Aftab Summaya, Jinnah Sindh Medical University, Karachi, Sindh, Pakistan, Tel: +00923322223694; E-mail: summayaaftab1@gmail.com

Received date: June 21, 2019; **Accepted date:** July 18, 2019; **Published date:** July 27, 2019

Copyright: © 2019, Aftab S, et al. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

Abstract

Crimean-Congo Hemorrhagic Fever (CCHF) is an endemic disease in parts of Africa, Asia, Eastern Europe, and

Symptoms and Clinical Presentation

CCHF has four stages: incubation, pre-hemorrhagic, hemorrhagic and convalescence [1]. The length of the incubation period depends on the route of transmission of the disease. It can last 3-6 days, with a maximum period of 9 days when spread by tick bite, whereas it lasts 5-6 days, with a maximum period of 13 days when transmitted *via* contaminated blood or other infectious material. The incubation stage is followed by the pre-hemorrhagic stage, which shows the following symptoms: fever, chills, photophobia, myalgia, nausea, and severe headache [14]. The hemorrhagic phase then manifests 3-6 days after the onset of the disease, in severe cases. This is

3. Lillibridge SR, Bell AJ, Roman RS (1999) Centers for disease control and prevention bioterrorism agents/ diseases. *American Journal of Infection Control* 27: 463-4.
4. Shayan S, Bokaeian M, Shahrvivar MR, Chinikar S (2015) Crimean-Congo Hemorrhagic Fever. *Lab Med Summer* 46: 180-9.
5. Butenko AM, Chumakov MP, Bashkirtsev VN, Zavodova TI, Tkachenko EA, et al. (1968) Isolation and investigation of Astrakhan strain ("Drozdov") of Crimean hemorrhagic fever virus and data on serodiagnosis of this infection in mater 15 nauchn. Sess Inst Polio Virus Entsefalitov 3: 88-90.
6. Chumakov MP, Sokolov AA, Chumakov MP, Kolachev AA (1945) A new tick-borne virus disease. *Crimean hemorrhagic fever* 13-43.
7. Chumakov MP (1947) A new virus disease Crimean hemorrhagic fever. *Nov Med*: 49-11.
8. Chumakov MP, Belyaeva AP, Voroshilova MK, Butenko AM, Shalunova NV, et al. (1968) Progress in studying the etiology, immunology, and laboratory diagnosis of Crimean hemorrhagic fever in the USSR and Bulgaria. *Mter 16 Nauchn Sess Inst Polio virus Entsefalitov* 3: 100-103.
9. Casals J (1969) Antigenic similarity between the virus causing Crimean hemorrhagic fever and Congo virus. *Exp Biol Med* 131: 233-236.
10. Bente DA, Forrester NL, Watts DM, McAuley AJ, Whitehouse CA, et al. (2013) *Antiviral Res* 100: 159-89.
11. Estrada-Pena A, Jameson L, Medlock J, Vatansever Z, Tishkova F (2012) Unraveling the ecological complexities of tick-associated Crimean-Congo hemorrhagic fever virus transmission: A gap analysis for the Western palearctic. *Vector Borne Zoonotic Dis* 12: 743-752.
12. Shepherd AJ, Swanepoel R, Cornel AJ, Mathee O (1989) Experimental studies on the replication and transmission of Crimean-Congo hemorrhagic fever virus in some African tick species. *Am J Trop Med Hyg* 40: 326-331.
13. Yolcu S, Kader C, Kayipmaz AE, Ozbay S, Erbay A (2014) Knowledge levels regarding Crimean-Congo hemorrhagic fever among emergency healthcare workers in an endemic region. *J Clin Med Res* 6: 197-204.
14. Kaya A, Engin A, Güven AS (2011) Crimean-Congo hemorrhagic fever disease due to tick bite with very long incubation periods. *Int J Infect Dis* 15: 449-452.
15. Vorou R, Pierrousakos IN, Maltezou HC (2007) Crimean-Congo hemorrhagic fever. *Curr Opin Infect Dis* 20: 495-500.
16. Ergönül O, Elikba A, Dokuzo uz B, Eren S, Baykam N, et al. (2004) e characteristics of Crimean-Congo hemorrhagic fever in a recent outbreak in Turkey and impact of oral Ribavirin therapy. *Clin Infect Dis* 39: 285-287.
17. Burt FJ (2011) Laboratory diagnosis of Crimean-Congo hemorrhagic fever virus. *Infections Future Virol* 6: 831-41.
18. Drosten C, Kummerer BM, Schmitz H, Gunther S (2003) Molecular diagnostics of viral haemorrhagic fevers. *Antiviral Res* 57: 61-87.
19. Bodur H, Akinçi E, Onguru P, Ahmet Carhan, Yavuz Uya R, et al. (2010) Detection of Crimean-Congo hemorrhagic fever virus genome in saliva and urine. *Int J Infect Dis* 14:247-249.
20. Tezer H, Polat M (2015) Diagnosis of Crimean-Congo hemorrhagic fever. *Expert Rev Anti Infect er* 13:555-66.
21. Bajpai S, Nadkar MY (2011) Crimean Congo hemorrhagic fever: requires vigilance and not panic. *J Assoc Physicians India* 59: 164-167.
22. Karlberg H, Lindegren G, Mirazimi A (2010) Comparison of antiviral activity of recombinant and natural interferons against Crimean-Congo hemorrhagic fever virus. *Open Virol J* 4: 38-41.va