

EDITORIAL CERTIFICATE

We herein certify that the following document has been edited for English language by a native English speaking medical editor at Partners (Beijing) International Business Co., LTD . The edited paper has reached grade A in language evaluation for World Journal of Clinical Cases.

Name of Journal: World Journal of Clinical Cases

Manuscript NO: 73810

Manuscript Type: ORIGINAL ARTICLE

Clinical diagnosis, treatment and medical identification of specific pulmonary infection in naval pilots: Four case reports

AUTHOR:

Zeng J *et al.* specific pulmonary infection in naval pilots

Jia Zeng, Guo-li Zhao, Jia-Cheng Yi, Dan-Dan Liu, Yan-Qing Jiang, Xiang Lu, Yan-Bing Liu, Fei Xue, Jie Dong.

Jia Zeng, Dan-Dan Liu, Yan-Qing Jiang, Xiang Lu, Yan-Bing Liu, Fei Xue. Department of Aviation Disease, Naval Medical Center of PLA, Shanghai 200052, China

Guo-li Zhao, Department of Radiology, Naval Medical Center of PLA, Shanghai 200052, China

Jia-Cheng Yi, Clinical Medicine Department, School of Basic Medicine, Hebei Medical University, Shijiazhuang 050017, China;

Jie Dong, Department of respiratory medicine, Changhai Hospital, Naval Military Medical University, Shanghai 200081, China

Author contributions: Zeng J and Zhao GL contributed equally to this work; Zeng J and Dong J designed the research; Zeng J, Yi JC, Liu DD, Jiang YQ, Lu X, Liu YB and



Xue F collected and analyzed the clinical data; Zeng J, Yi JC, and Zhao GL wrote the manuscript; Zeng J and Dong J revised the manuscript.

Corresponding author: Jie Dong, BN, supervisor nurse, Department of respiratory medicine, Changhai Hospital, Naval Military Medical University, Shanghai 200081, China. tungj@qq.com

Abstract

BACKGROUND

Specific pulmonary infection could seriously threaten the health of pilots and their companion. The consequences are very serious. With this study, we investigated the clinical diagnosis, treatment and medical identification of specific pulmonary infection in naval pilots.

CASE SUMMARY

We analyzed the medical waiver and clinical data of 4 pilots with specific pulmonary infection, who had accepted the treatment at the Naval Medical Center of PLA between January 2020 and November 2021. including 3 cases of tuberculosis and 1 case of cryptococcal pneumonia. All 4 cases underwent a series of comprehensive treatment courses, three cases successfully obtained medical waiver for flight after being cured, and one was grounded after reaching the maximum flight life after being cured.

CONCLUSION

The infection rate of specific lung infection in pilots is very low. Due to the lack of characteristic clinical manifestations, misdiagnosis is easy to occur. Specific lung infection not only aggravates the pilots' health, but also causes the spread of pathogens in flight force with serious consequences. Chest CT scanning should be used instead of chest radiography in pilots' physical examination. When pilots are diagnosed with specific lung infection, related test and Chest CT scanning should be screen people in the same camp. After active treatment, most pilots with specific pulmonary infection can be cured and return to flight.

Key words: Cryptococcal pneumonia; Tuberculosis; Diagnosis; Treatment; medical identification; Pilot; Military medicine; pulmonary infection; Case report



©The Author(s) 2021. Published by Baishideng Publishing Group Inc. All rights reserved.

Citation: Zeng J, Zhao GL, Yi JC, Liu DD, Jiang YQ, Lu X, Liu YB, Xue F, Dong J. Clinical diagnosis, treatment and medical identification of specific pulmonary infection in naval pilots: Four case reports. *World J Clin Cases* 2022; 10():

URL: https://www.wjgnet.com/2307-8960/full/v10/i_

DOI: <https://dx.doi.org/10.12998/wjcc.v10>

LETSTRANS provides services of medical translation and English language editing, and training and guidance of medical writing, editing and publishing. Our team consists of senior native English medical editors and translators with medical background and a good command of English.

Date Issued: DEC 8, 2021

Address: LETSTRANS 4th Floor, Building 8 Julong Garden, No.68, Xinzhong St. Dongcheng District, Beijing, China

Email: trans@yihuoban.cn

