

综述

艾滋病合并侵袭性肺真菌病的诊治

李勇<sup>1</sup>, 卢洪洲<sup>2</sup>

- 1. 广西龙潭医院内七科, 柳州545005;
- 2. 上海市公共卫生临床中心感染科, 上海201508

**摘要:** 近年来,侵袭性真菌感染的发病率不断增加,其中肺真菌感染居首位,已成为免疫功能下降或缺陷宿主常见的死亡原因。艾滋病是经典免疫功能缺陷性疾病,合并真菌感染时需及时识别、治疗,以降低其病死率。国内、外各种有关侵袭性真菌感染诊治指南的不断问世,极大地提高了临床医生对侵袭性真菌病的认识和诊治水平。该文就艾滋病常见侵袭性肺真菌病:肺念珠菌病、肺孢子菌肺炎、肺马内菲青霉病、肺隐球菌病、肺曲霉病的诊断及治疗进展进行综述。

**关键词:** 获得性免疫缺陷综合征 侵袭性肺真菌病 诊断 治疗

### Diagnosis and treatment of acquired immunodeficiency syndrome complicated with invasive pulmonary fungal diseases

LI Yong<sup>1</sup>, LU Hong-zhou<sup>2</sup>

- 1. Department of Internal Medicine, Guangxi Longtan Hospital, Liuzhou 545005, China;
- 2. Department of Infectious Diseases Shanghai Public Health Clinical Center, Shanghai 201508, China

**Abstract:** With the increasing incidence of invasive fungal infections in recent years, pulmonary fungal diseases have become the main cause of death in immune-deficient patients, especially acquired immunodeficiency syndrome (AIDS) patients. Opportune diagnosis and effective treatment are essential for mortality reduction. Advances in diagnosis and treatment of invasive pulmonary fungal diseases (IPFD), including pulmonary candidiasis (PC), pneumocystis pneumonia (PCP), pulmonary penicilliosis marneffeii (PPSM), pulmonary cryptococcosis (PC) and pulmonary aspergillosis (PA) are summarized and reviewed.

**Keywords:** acquired immunodeficiency syndrome invasive pulmonary fungal diseases diagnosis treatment

收稿日期 2011-03-28 修回日期 网络版发布日期

DOI:

基金项目:

国家“十一五”科技攻关课题(2008ZX10001-008)

通讯作者: 卢洪洲, E-mail: luhongzhou@fudan.edu.cn

作者简介: 李勇, 男(汉族), 副主任医师. E-mail: ly090828@126.com

作者Email: luhongzhou@fudan.edu.cn

参考文献:

- [1] 中华内科杂志编辑委员会. 侵袭性肺部真菌感染的诊断标准与治疗原则(草案)[J]. 中华内科杂志, 2006, 45(8): 697-700.
- [2] 陶黎黎, 胡必杰. 肺部真菌感染的病原学[J]. 中华结核和呼吸杂志, 2009, 32(1): 70-72.
- [3] 中华医学会呼吸病学分会感染学组, 中华结核和呼吸杂志编辑委员会. 肺真菌病诊断和治疗专家共识[J]. 中华结核和呼吸杂志, 2007, 30(11): 821-834.
- [4] Pappas PG, Kanffman CA, Andes D, et al. Clinical practice guidelines for the management of candidiasis: 2009 update by the infectious diseases society of America[J]. Clin Infect Dis, 2009, 48(5): 503-535.
- [5] 刘又宁, 余丹阳, 孙铁英, 等. 中国1998至2007年临床确诊的肺真菌病患者的多中心回顾性调查[J]. 中华结核和呼吸杂志, 2011, 34(2): 86-90.
- [6] Huang L, Morris A, Limper AH, et al. ATS Pneumocystis Workshop P. An official ATS Workshop summary: recent advances and future directions in pneumocystis pneumonia (PCP)[J]. Proc Am Thorac

扩展功能

本文信息

- ▶ Supporting info
- ▶ PDF(KB)
- ▶ [HTML全文]
- ▶ 参考文献[PDF]
- ▶ 参考文献

服务与反馈

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ 引用本文
- ▶ Email Alert
- ▶ 文章反馈
- ▶ 浏览反馈信息

本文关键词相关文章

- ▶ 获得性免疫缺陷综合征
- ▶ 侵袭性肺真菌病
- ▶ 诊断
- ▶ 治疗

本文作者相关文章

- ▶ 李勇
- ▶ 卢洪洲

PubMed

- ▶ Article by LI Yong
- ▶ Article by LU Hong-zhou

Soc,2006,3(8): 655-664.

[7] Alvarez-Martinez MJ, Mir JM, Valls ME, et al. Sensitivity and specificity of nested and real-time PCR for the detection of pneumocystis jirovecii in clinical specimens[J]. *Diagn Microbiol Infect Dis*, 2006, 56(2): 153-160.

[8] Larsen HH, Huang L, Kovaos JA, et al. A prospective, blinded study of quantitative touch-down polymerase chain reaction using oral-wash samples for diagnosis of pneumocystis pneumonia in HIV-infected patients[J]. *J Infect Dis*, 2004, 189(9): 1679-1683.

[9] 张仁芳, 卢洪洲. 艾滋病合并肺孢子菌肺炎1例的诊断治疗探讨[J]. *中国真菌学杂志*, 2008, 3(2): 78-83.

[10] 张进川, 戴建业, 樊瑾, 等. 卡泊芬净治疗老年卡氏肺孢子菌肺炎1例并文献复习[J]. *中华结核和呼吸杂志*, 2006, 29(7): 463-465.

[11] 李勇, 蒙志好. 艾滋病合并耶氏肺孢子菌肺炎及马尔尼菲青霉菌病57例临床分析[J]. *临床内科杂志*, 2009, 26(1): 64-65.

[12] Thomas CF Jr, Limper AH. Pneumocystis pneumonia[J]. *N Engl J Med*, 2004, 350(24): 2487-2498.

[13] Sisto F, Miluzio A, Leopardi O, et al. Differential cytokine pattern in the spleens and livers of BALB/c mice infected with *Penicillium marneffei*: protective role of gamma interferon[J]. *Infect Immun*, 2003, 71(1): 465-473.

[14] 李勇, 蒙志好, 苏凌松, 等. 艾滋病患者马尔尼菲青霉菌感染256例临床研究[J]. *中国真菌学杂志*, 2009, 4(6): 536-540.

[15] Wu TC, Chan JW, Ng CK, et al. Clinical presentation and outcomes of *Penicillium marneffei* infections: a series from 1994 to 2004[J]. *Hong Kong Med J*, 2008, 14(2): 103-109.

[16] 李勇, 蒙志好, 李虹如, 等. 艾滋病同时并发马尔尼菲青霉菌肺炎和马红球菌肺炎一例[J]. *中华临床感染病杂志*, 2010, 3(4): 245-247.

[17] Lu PX, Zhu WK, Liu Y, et al. Acquired immunodeficiency syndrome associated disseminated *Penicillium marneffei* infection: report of 8 cases[J]. *Chin Med J (Engl)*, 2005, 118(16): 1395-1399.

[18] Ustianowski AP, Sieu TP, Day JN. *Penicillium marneffei* in HIV[J]. *Curr Opin Infect Dis*, 2008, 21(1): 31-36.

[19] Mirza SA, Phelan M, Rimland D, et al. The changing epidemiology of cryptococcosis: an update from population-based active surveillance in 2 large metropolitan areas, 1992-2000[J]. *Clin Infect Dis*, 2003, 36(6): 789-794.

[20] Chang WC, Tzao C, Hsu HH, et al. Pulmonary cryptococcosis: comparison of clinical and radiographic characteristics in immunocompetent and immunocompromised patients[J]. *Chest*, 2006, 129(2): 333-340.

[21] 施毅. 侵袭性肺真菌病诊治的再认识[J]. *中华结核和呼吸杂志*, 2011, 34(2): 83-85.

[22] 中国真菌学杂志编辑委员会. 隐球菌感染诊治专家共识[J]. *中国真菌学杂志*, 2010, 5(2): 65-68.

[23] Perfect JR, Dismukes WE, Dromer F, et al. Clinical practice guidelines for the management of cryptococcal disease: 2010 update by the infectious diseases society of America[J]. *Clin Infect Dis*, 2010, 50(3): 291-322.

[24] Pfeiffer CD, Fine JP, Safdar N. Diagnosis of invasive aspergillosis using a galactomannan assay: a meta-analysis[J]. *Clin Infect Dis*, 2006, 42(10): 1417-1427.

[25] Walsh TJ, Anaissie EJ, Denning DW, et al. Treatment of aspergillosis: clinical practice guideline of the infectious diseases society of America[J]. *Clin Infect Dis*, 2008, 46(3): 327-360.

#### 本刊中的类似文章

1. 中国中西医结合学会皮肤性病专业委员会, 中华医学会皮肤性病学分会真菌学组. 手癣和足癣的诊疗指南[J]. *中国真菌学杂志*, 2012, (2): 109-110

2. 郑岳臣. 脓癣诊治难点分析[J]. *中国真菌学杂志*, 2012, 7(1): 1-3

3. 程娟娟, 潘敏, 韩志君, 葛小丽. 儿童真菌性肠炎患者血清IL-27增高及其意义[J]. *中国真菌学杂志*, 2012, 7(1): 24-26

4. 李梦, 廖万清. 侵袭性真菌感染治疗新进展[J]. *中国真菌学杂志*, 2012, 7(1): 47-51

5. 何礼贤, 柯荟, 张静. 慢性阻塞性肺疾病合并侵袭性肺曲霉病的病理生理特点及其诊断策略[J]. *中国真菌学杂志*, 0, (): 257-260

6. 何礼贤, 柯荟, 张静. 慢性阻塞性肺疾病合并侵袭性肺曲霉病的病理生理特点及其诊断策略[J]. *中国真菌学杂志*, 2011, 6(5): 257-260

7. 祝藩原, 张雷, 朱有华, 王立明. 肾移植术后隐球菌性脑膜炎合并肺炎1例并文献复习[J]. *中国真菌学杂志*, 2011, 6(4): 212-215

8. 郭猛, 宋峰, 徐春华. 孢子丝菌病35例临床分析[J]. *中国真菌学杂志*, 2011, 6(4): 225-226, 251

9. 刘维达, 吕雪莲. 黏膜念珠菌病治疗指南[J]. *中国真菌学杂志*, 2011, 6(4): 232-235

10. 林琤, 范静平, 林顺涨, 郎军添, 刘海滨. 真菌性鼻-鼻窦炎研究进展[J]. *中国真菌学杂志*, 2011, 6(4): 236-240

11. 黄晓军. 肺部侵袭性曲霉感染的诊断思路[J]. *中国真菌学杂志*, 2011, 6(3): 129-132

12. 蒯颢, 徐红. 远程会诊系统诊断皮肤真菌病[J]. *中国真菌学杂志*, 2011, 6(3): 176-179

13. 李平, 温海. 隐球菌病的诊治进展[J]. *中国真菌学杂志*, 2011, 6(3): 186-189

14. 卢洪洲, 沈银忠. 艾滋病患者侵袭性真菌感染的治疗[J]. *中国真菌学杂志*, 2011, 6(2): 65-69

