

论著

首次报道中国北方 *Fonsecaea monophora*所致着色芽生菌病1例及其相关实验研究

赵作涛, 鲁巧云, 高那, 陈伟, 万喆, 王晓红, 武玲慎, 王爱平, 李若瑜

北京大学第一医院皮肤科北京大学真菌和真菌病研究中心, 北京, 100034

摘要: 目的 首次报道中国北方1例由*Fonsecaea monophora*所致着色芽生菌病。方法 患者男性,58岁,主因“右腕部皮损伴瘙痒8-9a”就诊。对皮损脓液直接镜检,皮损组织病理检查,真菌培养,并对培养获得菌株进行形态学,分子生物学鉴定等实验室研究。结果 脓液直接镜检可见多个圆形、厚壁、棕色硬壳细胞,皮损组织病理表现为慢性肉芽肿样改变,并可见硬壳小体。真菌培养可见暗棕色,橄榄色至黑色菌落生长,生长速度较慢,镜下可见枝孢型和喙枝孢型产孢。ITS区序列分析鉴定为*Fonsecaea monophora*。依据临床及实验室检查确诊该例为*Fonsecaea monophora*所致的着色芽生菌病。口服伊曲康唑200mg,1次/d;特比萘芬250mg,1次/d。治疗3个月后,皮损消退痊愈。结论 *Fonsecaea monophora*感染也可见于我国北方地区的着色芽生菌病患者,而ITS区序列分析是该菌种鉴定的重要手段,伊曲康唑联合特比萘芬治疗本例患者显示较好疗效。

关键词: *Fonsecaea monophora* 着色芽生菌病 伊曲康唑 特比萘芬

Chromoblastomycosis caused by *Fonsecaea monophora* in North China: first case report and laboratory study

ZHAO Zuo-tao, LU Qiao-yun, GAO Na, CHEN Wei, WAN Zhe, WANG Xiao-hong, WU Ling-shen, WANG Ai-ping, LI Ruo-yu

Department of Dermatology and Venereology, Peking University First Hospital, Peking University Research Center for Medical Mycology, Beijing, 100034, China

Abstract: Objective To report a case of chromoblastomycosis caused by *Fonsecaea monophora* in North China and related laboratory investigation. Methods A 58-year-old man was admitted with skin granulomatous lesions on the right wrist for 8 to 9 years. Histopathologic examination, direct smear examination and fungal culture, PCR and ribosomal internal transcribed spacer(ITS) sequence analysis were performed for diagnosis. Results Sclerotic bodies were observed by direct smear examination. Histopathologic examination showed chronic granuloma and round, thick-walled sclerotic bodies. Fungal culture produced olivaceous to black colonies. Rhinocladiella type and cladosporium type conidia were observed in the slide culture identified as *Fonsecaea monophora* by sequence analysis of ITS region. After treatment with itraconazole(200 mg, QD) combined with terbinafine(250 mg, QD) for 3 months, the patient diagnosed as chromoblastomycosis caused by *Fonsecaea monophora* was cured. Conclusions Chromoblastomycosis caused by *Fonsecaea monophora* exists in North China, which can be identified by ITS analysis. Itraconazole with terbinafine has good effect.

Keywords: *Fonsecaea monophora* chromoblastomycosis itraconazole terbinafine

收稿日期 2010-01-17 修回日期 2010-08-28 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

作者Email:

参考文献:

[1] 王端礼,李若瑜,王爱平等,医学真菌学-实验室检验指南[M].第一版.北京:人民卫生出版社,2005:216-226.
[2] Xi L, Sun J, Lu C. Molecular diversity of *Fonsecaea*(Chaetothyriales) causing chromoblastomycosis in southern China [J]. Med Mycol, 2009, 47(1): 27-33.

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

- ▶ *Fonsecaea monophora*
- ▶ 着色芽生菌病
- ▶ 伊曲康唑
- ▶ 特比萘芬

本文作者相关文章

- ▶ 赵作涛
- ▶ 鲁巧云
- ▶ 高那
- ▶ 陈伟
- ▶ 万喆
- ▶ 王晓红
- ▶ 武玲慎
- ▶ 王爱平
- ▶ 李若瑜

PubMed

- ▶ Article by ZHAO Zuo-tao
- ▶ Article by LU Qiao-yun
- ▶ Article by GAO Na
- ▶ Article by CHEN Wei
- ▶ Article by WAN Zhe
- ▶ Article by WANG Xiao-hong
- ▶ Article by WU Ling-shen
- ▶ Article by WANG Ai-ping
- ▶ Article by LI Ruo-yu

[3] Xi L, Lu C, Sun J. Chromoblastomycosis caused by a meristematic mutant of *Fonsecaea monophora*[J]. *Med Mycol*, 2009, 47(1): 77-80.

[4] 赵作涛, 纪黎明, 王爱平, 等. 肝移植后播散性隐球菌病1例及其实验研究[J]. *中国真菌学杂志*, 2008, 3(5): 268-271.

[5] De Hoog GS, Attili-Angelis D, Vicente VA. Molecular ecology and pathogenic potential of *Fonsecaea* species[J]. *Med Mycol*, 2004, 42(5): 405-416.

[6] Surash S, Tyagi A, De Hoog CS. Cerebral phaeohyphomycosis caused by *Fonsecaea monophora*[J]. *Med Mycol*, 2005, 43(5): 465-472.

本刊中的类似文章

1. 朴英兰, 沈亮亮, 叶元康, 潘胜利, 武济民. 五环三萜类柴胡皂苷单体对白念珠菌伊曲康唑耐药株活性研究[J]. *中国真菌学杂志*, 2012, 7(1): 8-11
2. 高露娟, 王爱平, 杨淑霞, 陈伟, 陈喜雪, 李若瑜. 伊曲康唑联合全厚皮片移植术治愈着色芽生菌病1例[J]. *中国真菌学杂志*, 2012, 7(1): 29-30
3. 吴然, 程波, 贾敏. 小鼠烟曲霉角膜炎的实验研究[J]. *中国真菌学杂志*, 2011, 6(6): 332-336
4. 郭芸, 周晓鸿, 樊应俊, 张佩连, 李文华. 茄病镰刀菌致足部透明丝孢霉病1例[J]. *中国真菌学杂志*, 2011, 6(6): 358-360
5. 王丽, 阙冬梅, 胡永轩, 黄晓, 张军民. 着色芽生菌病致病机制的研究进展[J]. *中国真菌学杂志*, 2011, 6(6): 381-384
6. 王爱平, 陈伟, 万喆, 涂平, 李若瑜. 不同方法治疗皮肤型孢子丝菌病[J]. *中国真菌学杂志*, 0, (): 290-292
7. 王爱平, 高那, 刘伟, 万喆, 陈伟, 涂平, 李若瑜. 伊曲康唑联合特比萘芬治疗孢子丝菌病疗效及其对病原真菌体外抗菌活性研究[J]. *中国真菌学杂志*, 2011, 6(1): 5-9
8. 姜淼, 黄欣, 沈亮亮, 周斐, 屠鞞燕, 施伟民. 2种中药单体对念珠菌的体外药敏研究[J]. *中国真菌学杂志*, 2011, 6(1): 26-30
9. 王爱平, 陈伟, 万喆, 涂平, 李若瑜. 不同方法治疗皮肤型孢子丝菌病[J]. *中国真菌学杂志*, 2011, 6(5): 290-292
10. 王爱平, 张黎黎, 段周英, 杨勇, 李若瑜. 慢性皮肤黏膜念珠菌病1例[J]. *中国真菌学杂志*, 2011, 6(4): 227-229
11. 冉玉平. 伊曲康唑在中国临床应用16年回顾——广谱篇[J]. *中国真菌学杂志*, 2011, 6(3): 169-175
12. 都琳, 赵敏, 朱元杰, 顾菊林, 陈江汉, 温海. 伊曲康唑治疗隐球菌性脑膜炎1例报告并文献复习[J]. *中国真菌学杂志*, 2010, 5(6): 355-356
13. 郭韞懿, 孙忠辉, 张英. 伊曲康唑联合复方黄松洗液治疗念珠菌性龟头炎临床观察[J]. *中国真菌学杂志*, 2010, 5(6): 366-369
14. 岳喜昂, 刘卫兵, 陈洪晓, 杨华. 伊曲康唑联合外用药物治疗花斑糠疹临床研究[J]. *中国真菌学杂志*, 2010, 5(4): 238-240
15. 原英, 赵颖, 马依努尔, 徐英春, 王澎. 申克孢子丝菌感染诊治1例[J]. *中国真菌学杂志*, 2010, 5(3): 172-174