

论著

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

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摘要: 目的 初步探讨伊曲康唑和特比萘芬联合治疗孢子丝菌病的疗效,评价两药体外联合对申克孢子丝菌菌丝相和酵母相的抗菌活性。方法 口服伊曲康唑200 mg/d和特比萘芬250 mg/d治疗孢子丝菌病;体外联合药敏试验采用棋盘微量稀释法,计算分数抑菌浓度(FIC)指数判定两药相互作用具有协同、拮抗或无关作用。结果 伊曲康唑和特比萘芬联合成功治愈3例经伊曲康唑治疗无效的孢子丝菌病患者。两药体外联合对申克孢子丝菌菌丝相具有75%的协同作用,对酵母相为70%(P=0.50)。结论 初步研究显示伊曲康唑和特比萘芬联合治疗孢子丝菌病有效安全,体外联合药敏试验显示两药具有较高的协同作用。

关键词: 孢子丝菌病 伊曲康唑 特比萘芬 申克孢子丝菌 菌丝相 酵母相 联合药敏 协同作用

Combination of itraconazole and terbinafine in treating sporotrichosis and their *in vitro* antifungal activities against *Sporothrix schenckii*

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Abstract: Objective To evaluate the efficacy of the combination of itraconazole and terbinafine in treating sporotrichosis and against *Sporothrix schenckii* growing in both mycelial and yeast phases.Methods The combination of itraconazole(200 mg/d) and terbinafine(250 mg/d) was applied in the treatment of sporotrichosis.In vitro effects against *Sporothrix schenckii* in two growth phases were evaluated by checker-board method,and fractional inhibitory concentration(FIC) index was calculated to determine whether the interaction was synergistic,indifference,or antagonistic.Results Three patients failed in itraconazole therapy were cured with the combination of itraconazole and terbinafine.Synergistic interactions of itraconazole and terbinafine against *Sporothrix schenckii* in mycelial form and in yeast form,were observed to be 75% and 70% respectively(P=0.50).Conclusions The combination of itraconazole and terbinafine is efficient and safe in treating sporotrichosis with perfect synergy.

Keywords: sporotrichosis itraconazole terbinafine *Sporothrix schenckii* mycelial form yeast form combination drug susceptibility testing synergistic interactions

收稿日期 2010-09-19 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

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参考文献:

[1] 王爱平,金星姬,陈伟,等.伊曲康唑联合特比萘芬治疗孢子丝菌病1例[J].中国真菌学杂志.2008,3(1): 26-28.
[2] 王晓慧,刘伟,李若瑜.申克孢子丝菌体外药敏试验研究近况[J].中国真菌学杂志,2009,4 (2): 120-123.
[3] Clinical and Laboratory Standards Institute.Reference method for broth dilution antifungal susceptibility testing of

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- filamentous fungi[S]. Approved standard-Second edition M38-A2. CLSI, Wayne, PA, 2008.
- [4] Clinical and Laboratory Standards Institute. Reference method for broth dilution antifungal susceptibility testing of yeasts[S]. Approved standard-Third edition M27-A3. CLSI, Wayne, PA, 2008.
- [5] Gutierrez-Galhardo MC, Zancoo-Oliveira RM, Monzbn A, et al. Antifungal susceptibility profile *in vitro* of *Sporothrix schenckii* in two growth phases and by two methods: microdilution and E-test[J]. *Mycoses*, 2010, 53(3): 227-231
- [6] 赵景辉, 孙秋宁, 严岩, 等. 申克孢子丝菌双相体外药物敏感试验研究[J]. *中国麻风皮肤病杂志*, 2007, 23(7): 575-578.
- [7] Kohler LM, Hamdan JS, Ferrari TC. Successful treatment of a disseminated *Sporothrix schenckii* infection and *in vitro* analysis for antifungal susceptibility testing[J]. *Diagn Microbiol Infect Dis*, 2007, 58(1): 117-120.
- [8] Kohler LM, Monteiro PC, Hahn RC, et al. In vitro susceptibilities of isolates of *Sporothrix schenckii* to itraconazole and terbinafine[J]. *J Clin Microbiol*, 2004, 42(9): 4319-4320.
- [9] Silveira CP, Torres-Rodriguez JM, Alvarado-Ramirez E, et al. MICs and minimum fungicidal concentrations of amphotericin B, itraconazole, posaconazole and terbinafine in *Sporothrix schenckii*[J]. *J Med Microbiol*, 2009, 58(Pt12): 1607-1610.
- [10] McGinnis MR, Nordoff N, Li RK, et al. *Sporothrix schenckii* sensitivity to voriconazole, itraconazole and amphotericin B[J]. *Med Mycol*, 2001, 39(4): 369-371.
- [11] Ruiz-Cendoya M, Rodriguez MM, Marin6 M, et al. In vitro interactions of itraconazole and micafungin against clinically important filamentous fungi[J]. *Int J Antimicrob Agents*, 2008, 32(5): 418-420.

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2. 徐佯, 李福秋. 难辨认孢子丝菌病临床分析[J]. *中国真菌学杂志*, 2012, (2): 89-91
3. 李芸, 毛笑非, 杜伟, 刘跃华, 孙秋宁. 鼻部固定型孢子丝菌病1例[J]. *中国真菌学杂志*, 2012, (2): 98-100
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6. 李聪慧, 冉玉平, 王鹏, 代亚玲. 发生于双侧腰部的孢子丝菌病1例[J]. *中国真菌学杂志*, 2012, 7(1): 31-32
7. 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
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14. 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
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