

# 2014-2015 Top 10 Papers in Medical Mycology

As told by Monica Slavin, Paul Verweij, and Luis Ostrosky-Zeichner

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1. Marr KA, Schlamm HT, Herbrecht R, Rottinghaus ST, Bow EJ, Cornely OA, Heinz WJ, Jagannatha S, Koh LP, Kontoyiannis DP, Lee DG, Nucci M, Pappas PG, Slavin MA, Queiroz-Telles F, Selleslag D, Walsh TJ, Wingard JR, Maertens JA. Combination antifungal therapy for invasive aspergillosis: a randomized trial. *Ann Intern Med.* 2015 Jan 20;162(2):81-9.
2. van der Elst KC, Pereboom M, van den Heuvel ER, Kosterink JG, Schölvinck EH, Alffenaar JW. Insufficient Fluconazole Exposure in Pediatric Cancer Patients and the Need for Therapeutic Drug Monitoring in Critically Ill Children. *Clin Infect Dis.* 2014 Dec 1;59(11):1527-33.
3. Mylonakis E, Clancy CJ, Ostrosky-Zeichner L, Garey KW, Alangaden GJ, Vazquez JA, Groeger JS, Judson MA, Vinagre YM, Heard SO, Zervou FN, Zacharioudakis IM, Kontoyiannis DP, Pappas PG. T2 Magnetic Resonance Assay for the Rapid Diagnosis of Candidemia in Whole Blood: A Clinical Trial. *Clin Infect Dis.* 2015 Mar 15;60(6):892-9.
4. McKenney J, Bauman S, Neary B, Detels R, French A, Margolick J, Doherty B, Klausner JD. Prevalence, Correlates, and Outcomes of Cryptococcal Antigen Positivity Among Patients With AIDS, United States, 1986-2012. *Clin Infect Dis.* (2015) 60: 959-965.
5. Beyda ND, John J, Kilic A, Alam MJ, Lasco TM, Garey KW. FKS Mutant *Candida glabrata*: Risk Factors and Outcomes in Patients With Candidemia. *Clin Infect Dis* (2014) 59: 819-25.
6. Koo S, Thomas HR, Daniels SD, Lynch RC, Fortier SM, Shea MM, Rearden P, Comolli JC, Baden LR, Marty FM. A Breath Fungal Secondary Metabolite Signature to Diagnose Invasive Aspergillosis. *Clin Infect Dis.* (2014) 59: 1733-40
7. Stanzani M, Sassi C, Lewis RE, Tolomelli G, Bazzocchi A, Cavo M, Vianelli N, Battista G. High Resolution Computed Tomography Angiography Improves the Radiographic Diagnosis of Invasive Mold Disease in Patients With Hematological Malignancies. *Clin Infect Dis.* (2015) 60: 1603-10.
8. Micallef C, Aliyu SH, Santos R, Brown NM, Rosembert D, Enoch DA. Introduction of an antifungal stewardship programme targeting high-cost antifungals at a tertiary hospital in Cambridge, England. *J Antimicrob Chemother* (2015) 70: 1908-11.
9. Shalhoub S, Luong ML, Howard SJ, Richardson S, Singer LG, Chaparro C, Keshavjee S, Akinlolu Y, Rotstein C, Mazzulli T, Husain S. Rate of cyp51A mutation in *Aspergillus fumigatus* among lung transplant recipients with targeted prophylaxis. *J Antimicrob Chemother* (2015) 70: 1064-7.
10. Rolfes MA, Hullsiek KH, Rhein J, Nabeta HW, Taseera K, Schutz C, Musubire A, Rajasingham R, Williams DA, Thienemann F, Muzoora C, Meintjes G, Meya DB, Boulware DR. The Effect of Therapeutic Lumbar Punctures on Acute Mortality From Cryptococcal Meningitis. *Clin Infect Dis.* (2014) 59: 1607-1614.