



**4. What are the current recommendations for treatment of dMAC?**

**Case continued:** The patient is started on clarithromycin 500 mg PO BID and ethambutol 15 mg/kg PO daily for disseminated MAC. He is also started on trimethoprim-sulfamethoxazole for PCP prophylaxis. The patient is discharged and returns to you two weeks later for follow up. He states that he is no longer having fevers or night sweats but does complain of persistent fatigue and poor appetite. He asks you how long he will need to remain on treatment for.

**5. What type of monitoring for response to therapy should be done?**

**6. What is the recommended duration of therapy?**

**7. When should anti-retroviral treatment (ART) be initiated in this patient?**

**Case 2:** Mr. F is a 60 year old man with recently diagnosed HIV/AIDS with a CD4 count of 17 cells/mm<sup>3</sup>. After a thorough work-up he is ruled out for active opportunistic infections. He is started on ART after extensive counseling, as well as Bactrim for prophylaxis against toxoplasmosis and PCP. Given his low CD4 count, you are also concerned about dMAC prophylaxis.

**8. What are the indications for primary prophylaxis against disseminated MAC? What are the preferred drugs for primary prophylaxis?**

## 9. When can primary prophylaxis against dMAC be discontinued?

### Recommended Reading

“Disseminated *Mycobacterium avium* complex Disease”. Guidelines for the Prevention and Treatment of Opportunistic Infections in HIV-Infected Adults and Adolescents. AIDS Info. Last updated 5/7/13. <https://aidsinfo.nih.gov/guidelines/html/4/adult-and-adolescent-oi-prevention-and-treatment-guidelines/326/mac>

### Additional References

1. Benson CA, Williams PL, Currier JS, et al. A prospective, randomized trial examining the efficacy and safety of clarithromycin in combination with ethambutol, rifabutin, or both for the treatment of disseminated *Mycobacterium avium* complex disease in persons with acquired immunodeficiency syndrome. *Clin Infect Dis*. Nov 1 2003;37(9):1234-1243. Available at <http://www.ncbi.nlm.nih.gov/pubmed/14557969>
2. Mandell, Douglas and Bennett’s Principles and Practices of Infectious Diseases, 8th edition. Churchill Livingstone; 2015. 253, 2832-2843. Available online <https://www.clinicalkey.com/#!/content/book/3-s2.0-B9781455748013002538>