Fungal Peritonitis... easier to prevent then to treat?



Judith Marin, PharmD Fraser Health Authority, BC March 2012















Piraino B, et al. Perit Dial Int 2011; 31: 614-30.













Fluconazole prophylaxis Restrepo et al. Perit Dial Int 2010; 30: 619-25.		
Design	Randomized control trial	
Intervention	Fluconazole 200 mg PO Q48hours during ATB treatment vs. control group x 150 days post ATB PO/IV/IP ATBs ordered for BP, TI or ESI	
Population	410 CAPD and APD pts in 1 centre Exclusion: allergy to fluconazole, liver failure, < 18 y/o or > 70 y/o, recurrent peritonitis	

Restrepo et al. Perit Dial Int 2010; 30: 619-25.				
	Fluconazole group n=210	Control group n=210		
Frequency of bacterial peritonitis	210	210		
Frequency of ESI or TI	26	26		
Frequency of secondary fungal peritonitis	3	15		



Fluconazole prophylaxis Restrepo et al. Perit Dial Int 2010; 30: 619-25.

o Author's conclusion:

"In patients with bacterial peritonitis, administration of prophylactic oral fluconazole throughout the time they received antibiotics <u>significantly prevented</u> the appearance of secondary fungal peritonitis."

Fluconazole prophylaxis Restrepo et al. Perit Dial Int 2010; 30: 619-25. • Limitations: • Methodology • Numbers given didn't match • Not all antibiotic orders received taken into account • No data on compliance and minimal date on ADRs

















