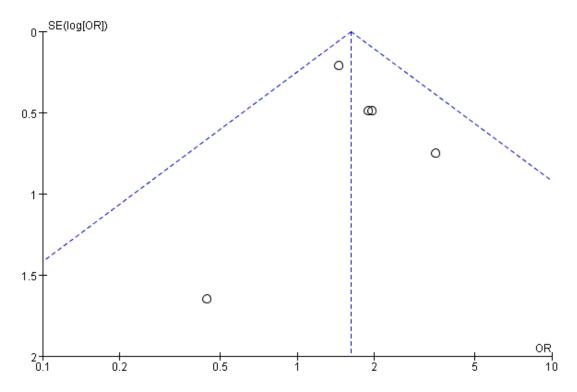
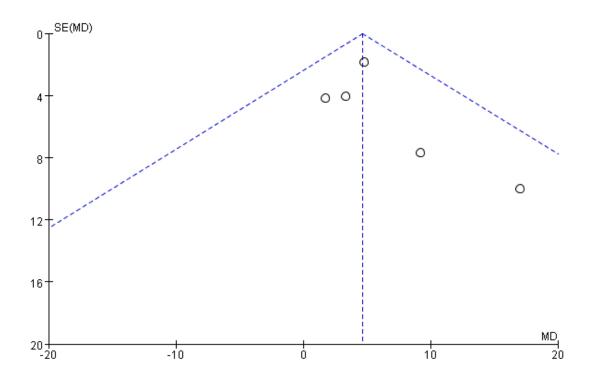


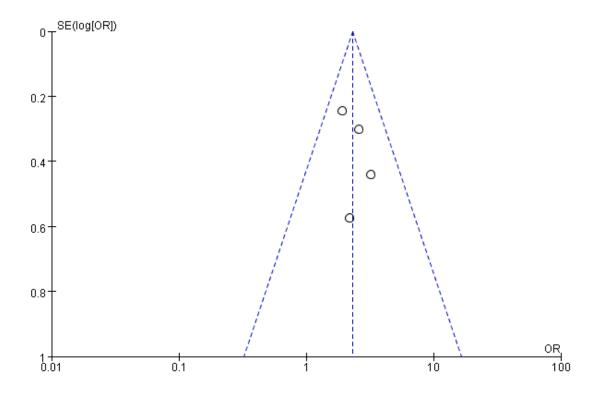
Supplementary Figure 1. Funnel plot of age in COPD patients with and without bronchiectasis



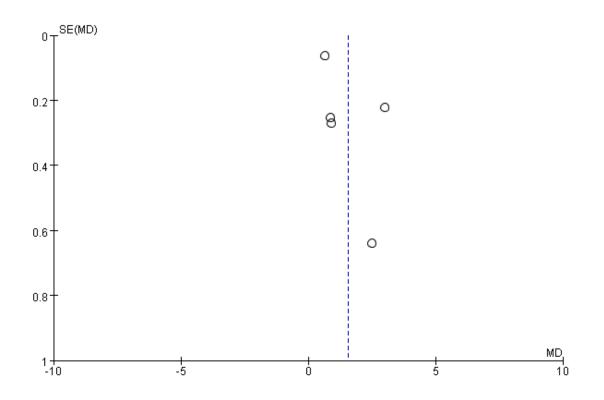
Supplementary Figure 2. Funnel plot of gender in COPD patients with and without bronchiectasis



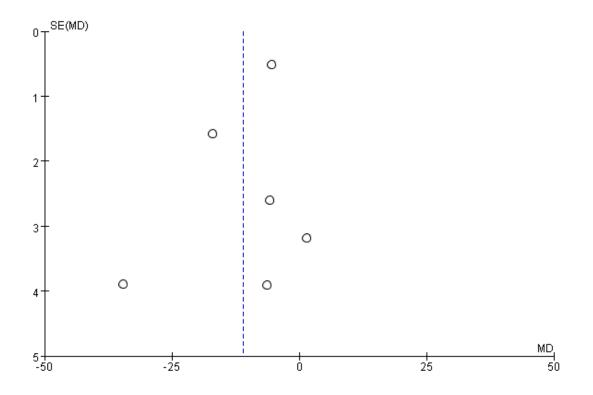
Supplementary Figure 3. Funnel plot of smoking history (pack-years) in COPD patients with and without bronchiectasis



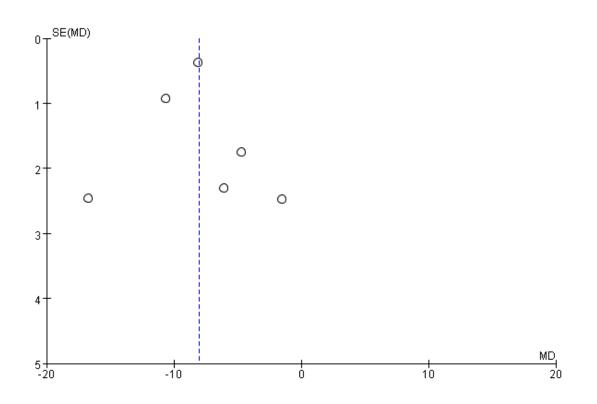
Supplementary Figure 4. Funnel plot of daily sputum production in COPD patients with and without bronchiectasis



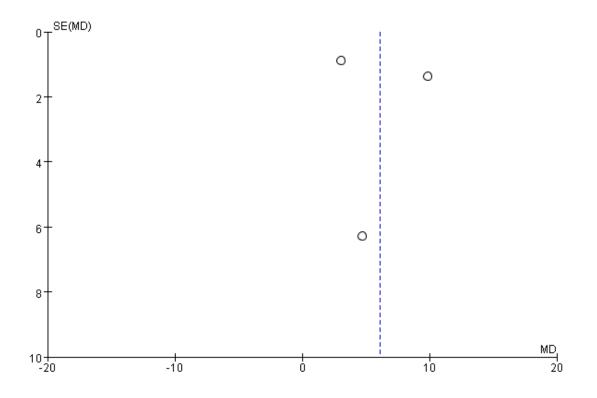
Supplementary Figure 5. Funnel plot of exacerbations in COPD patients with and without bronchiectasis



Supplementary Figure 6. Funnel plot of postbronchodilator FEV1 in COPD patients with and without bronchiectasis

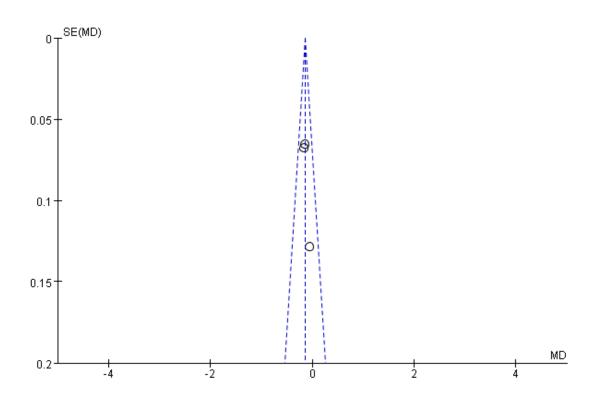


Supplementary Figure 7. Funnel plot of FEV1/FVC ratio in COPD patients with and without bronchiectasis

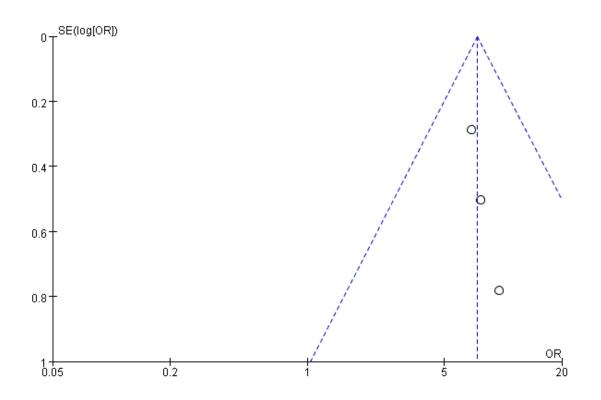


Supplementary Figure 8. Funnel plot of CRP in COPD patients with and without

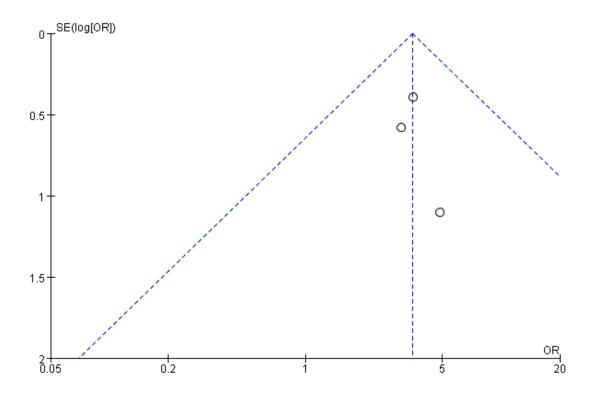
bronchiectasis



Supplementary Figure 9. Funnel plot of albumin in COPD patients with and without bronchiectasis



Supplementary Figure 10. Funnel plot of PPM chronic colonization in COPD patients with and without bronchiectasis



Supplementary Figure 11. Funnel plot of P. aeruginosa isolation rate in COPD patients with and without bronchiectasis

	with bronchi	ectasis	without bronch	iectasis		Odds Ratio		Odds Ratio			
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	Year	M-H, Fixed, 95% CI			
Fujimoto et al. 2006	34	44	25	39	40.2%	1.90 [0.73, 4.98]	2006				
Bafadhel et al. 2011	28	33	8	13	11.6%	3.50 [0.81, 15.19]	2011				
Martinez-Garcia et al. 2011	52	53	39	39	8.4%	0.44 [0.02, 11.17]	2011 +	• • •			
Tulek et al. 2013	0	0	0	0		Not estimable	2013				
Martinez-Garcia et al. 2013	107	115	75	86	39.8%	1.96 [0.75, 5.11]	2013				
Gatheral et al. 2014	165	278	64	128	0.0%	1.46 [0.96, 2.22]	2014				
Total (95% CI)		245		177	100.0%	1.99 [1.09, 3.62]					
Total events	221		147								
Heterogeneity: $Chi^2 = 1.41$, c	0); $ ^2 = 0\%$	6				F					
Test for overall effect: $Z = 2.2$, c	without bronchiectasis with bronchiectasis				

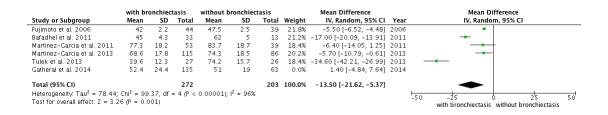
Supplementary Figure 12. Sensitivity analysis excluding Gatheral's study of mean difference of age in COPD patients with and without bronchiectasis.

	with bro	onchiec	tasis	without bronchiectasis			Mean Difference		Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	Year	IV, Random, 95% CI	
Fujimoto et al. 2006	68.4	1.7	44	68.3	1.8	39	50.4%	0.10 [-0.66, 0.86]	2006	+	
Martinez-Garcia et al. 2011	72.6	8.7	53	69.1	9.7	39	12.3%	3.50 [-0.34, 7.34]	2011	+	
Bafadhel et al. 2011	69.7	12.8	33	68	13.2	13	3.1%	1.70 [-6.70, 10.10]	2011		
Tulek et al. 2013	68	7.3	27	68	7.3	26	11.8%	0.00 [-3.93, 3.93]	2013		
Martinez-Garcia et al. 2013	71.4	8.5	115	68.8	9.3	86	22.4%	2.60 [0.09, 5.11]	2013	_	
Gatheral et al. 2014	72.6	11	278	69	11	128	0.0%	3.60 [1.30, 5.90]	2014		
Total (95% CI)			272			203	100.0%	1.12 [-0.40, 2.63]		•	
Heterogeneity: Tau ² = 1.04; C	$hi^2 = 6.20$), df = 4	P = 0.	18); I ² = 3	5%				H	10 -5 0 5 10	
Test for overall effect: Z = 1.4	4 (P = 0.1	L5)							-	without bronchiectasis with bronchiectasis	

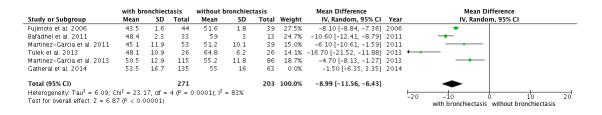
Supplementary Figure 13. Sensitivity analysis excluding Gatheral's study of odds ratio of gender in COPD patients with and without bronchiectasis.

	with bronchiectasis		without bronch	iectasis	Odds Ratio			Odds Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	Year	M-H, Fixed, 95% CI		
Fujimoto et al. 2006	38	44	29	39	17.8%	2.18 [0.71, 6.70]	2006			
Bafadhel et al. 2011	0	0	0	0		Not estimable	2011			
Martinez-Garcia et al. 2011	34	53	14	39	24.6%	3.20 [1.35, 7.57]	2011			
Martinez-Garcia et al. 2013	84	115	44	86	57.6%	2.59 [1.43, 4.67]	2013	_ _		
Tulek et al. 2013	27	27	26	26		Not estimable	2013			
Gatheral et al. 2014	225	278	88	128	0.0%	1.93 [1.20, 3.11]	2014			
Total (95% CI)		212		164	100.0%	2.66 [1.70, 4.16]		•		
Total events	156		87							
Heterogeneity: Chi ² = 0.30, d	f = 2 (P = 0.86	(); $ ^2 = 0\%$	ś							
Test for overall effect: Z = 4.3						0.01 0.1 1 10 100				
Test for overall effect: Z = 4.3	30 (P < 0.0001)						without bronchiectasis with bronchiectasis		

Supplementary Figure 14. Sensitivity analysis excluding Gatheral's study of odds ratio of daily sputum production in COPD patients with and without bronchiectasis.



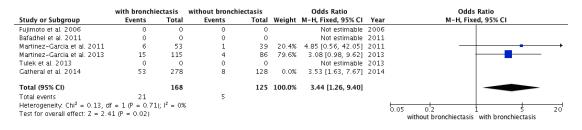
Supplementary Figure 15. Sensitivity analysis excluding Gatheral's study of mean difference of postbronchodilator FEV1% predicted in COPD patients with and without bronchiectasis.



Supplementary Figure 16. Sensitivity analysis excluding Gatheral's study of mean difference of postbronchodilator FEV1/FVC% in COPD patients with and without bronchiectasis.

	Experimental Con		Cont	rol		Odds Ratio		Odds Ratio			
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	Year	M-H, Fixed, 95% CI			
Fujimoto et al. 2006	0	0	0	0		Not estimable	2006				
Bafadhel et al. 2011	0	0	0	0		Not estimable	2011				
Martinez-Garcia et al. 2011	18	53	2	39	28.2%	9.51 [2.06, 44.04]	2011	_			
Martinez-Garcia et al. 2013	37	115	5	86	71.8%	7.68 [2.87, 20.56]	2013	_			
Tulek et al. 2013	0	0	0	0		Not estimable	2013				
Gatheral et al. 2014	143	278	17	128	0.0%	6.92 [3.94, 12.13]	2014				
Total (95% CI)		168		125	100.0%	8.20 [3.58, 18.76]					
Total events	55		7								
Heterogeneity: $Chi^2 = 0.05$, d	f = 1 (P =	0.82); [$^{2} = 0\%$				0.0	05 0 2 1 5 20			
Test for overall effect: $Z = 4.9$	98 (P < 0.)	00001)					0.1	without bronchiectasis with bronchiectasis			

Supplementary Figure 17. Sensitivity analysis excluding Gatheral's study of odds ratio of PPM chronic colonization in COPD patients with and without bronchiectasis.



Supplementary Figure 18. Sensitivity analysis excluding Gatheral's study of odds ratio of P. aeruginosa isolation in COPD patients with and without bronchiectasis.