

						Day 29: 14 (SE 3%)		
Sichletidis I, Daskalopoulou E, Kyriazis G, et al ²	1993	A single randomised, double blind cross-over controlled trial	+	12 patients (20-44 yr) with mild, stable extrinsic asthma, exercise- induced with no late phase reaction. Attending George Papanicolaou General Hospital, Thessaloniki Inhaled salbutamol 200mcg, inhaled salmeterol 50mcg, single dosing Serum histamine 1hr post admin Before exercise After exercise 6hr post admin Before exercise After exercise 12hr post admin Before exercise After exercise PgD3 & LKTC4	% bronchospasm after exercise test (PEFR before- PEFR afterx100)/PEFR before exercise 1hr post-admin 4hr post admin 12hr post admin % bronchodilation after exercise test 1hr post-admin 1hr post admin Before exercise After exercise 6hr post admin Before exercise After exercise 12hr post admin Before exercise After exercise PgD3 & LKTC4	Salbutamol 4.4+/-3.6% Salmeterol 3.3+/-4.4% Placebo 28.6+/-3.8% Salbutamol 20+/-12.8% Salmeterol 10.8+/-9% Salbutamol 27.3+/-10.5% Salmeterol 10.9+/-9% Salbutamol 16+/-2% Salmeterol 14+/-6% Placebo 1+/-3% Salbutamol 2.71+/-1.41 Salmeterol 3.54+/-1.89 Salbutamol 4.04+/-1.51-	Difference P<0.001 Difference P<0.01 NS P<0.01 NS P<0.01 P<0.05 P<0.05	Small sample size. Confirms that salbutamols duration of action is < 6 hours and salmeterol > 12 hours in the prevention of exercise induced asthma.

					levels	Salmeterol 5.43+/-2.83		
						Salbutamol 4.75+/-2.73		
						Salmeterol 3.07+/-1.1		
						Salbutamol 13.82+/-10.79		
						Salmeterol 3.56+/-2		
						Salbutamol 9.97+/-5.81		
						Salmeterol 6.13+/-2.9		
						Salbutamol 26.4+/-12.66		
						Salmeterol 14.58+/-10.83		

1. Nelson JA, Strauss L, Skowronski M, Ciuffo R, Novak R, McFadden ER, Jr. Effect of long-term salmeterol treatment on exercise-induced asthma. *N Engl J Med* 1998;339(3):141-6.
2. Sichletidis L, Daskalopoulou E, Kyriazis G, Kosmidou I, Koupidou S, Pechlivanidis T, et al. Comparative efficacy of salbutamol and salmeterol in exercise-induced asthma. *J Int Med Res* 1993;21(2):81-8.