Author	Year	Study type	Quality rating	Population	Outomes measured	Effect size	Confidence intervals / p values	Comments
Young Peo	pple and	l Adults	'					
Galant <sup>1</sup>	1996	Randomised, double-blind placebo, parallel group 12 week treatment period	++	N=353 Age 12 -75 19 centres Fluticasone 50ug bd, 100ug bd vs theophylline	1] change in FEV1 2] change in FVC 3] am PEF 4] salbutamol use 5] symptoms 6] night awakenings	FP 50 ug bd vs theophylline 0.66L vs 0.37L 0.63L vs 0.30L 54 vs 21 L/min -1.7vs -0.9/day -0.6 vs - 0.3 -0.2 vs -0.1	p<0.004 p<0.003 p<0.001 NS p<0.001 NS	FP 50 ug bd was more effective than theophylline i improving lung function and asthma control. There was no difference between FP 50ug bd and FP 100ug bd
Matthys <sup>2</sup>	1994	Randomised, double-blind cross-over 6 week treatment+	+	N=8 Adults Single centre Budesonide	1] PEF 2] FEV1 3] Carbachol challenge	Budesonide vs theophylline 460 vs 439 L/min 3.27 vs	NS NS	Very small sample size. No statistical difference between budesonide

1 of 2

			400ug bd vs theophylline 800 mg od		0.92 vs		and theophylline. Study probably underpowered to demonstrate differences.
Reed <sup>3</sup>	1998	Randomised, double-blind, double- dummy, parallel group 12 month treatment period	N=747 Children + adults age 6-65 yrs Beclomethasone 84ug qid ms theophylline bd	-	theophylline Less with BDP 20 vs 31% No difference in PEF Less use	P=0.002 P=0.002 NS	Although there was no difference in PEF, overall, BDP was more effective than theophylline in asthma control.

- 1. Galant SP, Lawrence M, Meltzer EO, Tomasko M, Baker KA, Kellerman DJ. Fluticasone propionate compared with theophylline for mild-to-moderate asthma. Ann Allergy Asthma Immunol 1996;77(2):112-8.
- 2. Matthys H, Muller S, Herceg R. Theophylline vs. budesonide in the treatment of mild-to-moderate bronchial asthma. Respiration 1994;61(5):241-8.
- 3. Reed CE, Offord KP, Nelson HS, Li JT, Tinkelman DG. Aerosol beclomethasone dipropionate spray compared with theophylline as primary treatment for chronic mild-to-moderate asthma. The American Academy of Allergy, Asthma and Immunology Beclomethasone Dipropionate-Theophylline Study Group. J Allergy Clin Immunol 1998;101(1 Pt 1):14-23.

2 of 2