Review: NSAID
Comparison: 04 COX-2 selective inhibitors vs control (random)
Outcome: 01 24 hours morphine consumption (mg)

Study or sub-category	N	Cox-2 Mean (SD)	N	Control Mean (SD)	WMD (random) 95% CI	Weight %	WMD (random) 95% CI
01 Single dose regimen: Celecoxib 200 mg							
Reuben	20	107.00(11.00)	20	117.00(13.00)		5.15	-10.00 [-17.46, -2.54]
Durmus	20	25.60(5.90)	20	34.90(10.40)		5.31	-9.30 [-14.54, -4.06]
Cheng	30	12.60(6.50)	29	17.40(8.80)		5.38	-4.80 [-8.76, -0.84]
Subtotal (95% CI)	70		69			15.84	-7.22 [-10.61, -3.82]
Test for heterogeneity: Chi² = 2.55, df = 2 (P = 0.28), I² = 21.5%							
Test for overall effect: Z = 4.16 (P < 0.0001)							
02 Single dose regimen: Rofecoxib 50 mg							
Reuben	20	71.00(7.00)	20	117.00(13.00)		5.23	-46.00 [-52.47, -39.53]
Huang	15	30.00(13.00)	15	30.00(15.00)		4.92	0.00 [-10.05, 10.05]
Celik	20	50.00(4.00)	20	93.00(6.00)		5.41	-43.00 [-46.16, -39.84]
Durmus	20	20.50(7.22)	20	34.90(10.40)		5.29	-14.40 [-19.95, -8.85]
Sinatra	16	33.20(14.20)	16	68.30(25.20)		4.48	-35.10 [-49.27, -20.93]
Subtotal (95% CI)	91		91			25.34	-27.83 [-44.28, -11.39]
Test for heterogeneity: Chi² = 135.25, df = 4 (P < 0.00001), I² = 97.0%							
Test for overall effect: Z = 3.32 (P = 0.0009)							
03 Multiple low dose regimen							
Camu	71	20.70(13.40)	64	31.60(15.20)		5.33	-10.90 [-15.76, -6.04]
Reynolds	60	61.20(32.80)	63	69.50(44.00)		4.54	-8.30 [-21.97, 5.37]
Tang	19	34.00(20.00)	18	51.00(27.00)		4.34	-17.00 [-32.38, -1.62]
Hubbard	61	36.70(16.90)	63	43.50(18.70)		5.24	-6.80 [-13.07, -0.53]
Malan	61	45.00(29.90)	65	57.50(31.80)		4.85	-12.50 [-23.27, -1.73]
Subtotal (95% CI)	272		273			24.31	-9.99 [-13.40, -6.58]
Test for heterogeneity: Chi² = 2.19, df = 4 (P = 0.70), I² = 0%							
Test for overall effect: Z = 5.74 (P < 0.00001)							
04 Multiple high dose regimen							
Camu	68	19.40(13.10)	64	31.60(15.20)		5.33	-12.20 [-17.05, -7.35]
Reynolds	63	56.50(30.80)	63	69.50(44.00)		4.58	-13.00 [-26.26, 0.26]
Tang	18	33.00(21.00)	18	51.00(27.00)		4.29	-18.00 [-33.80, -2.20]
Hegazy	15	35.20(8.30)	15	55.10(12.00)		5.16	-19.90 [-27.28, -12.52]
Hubbard	65	31.40(18.30)	63	43.50(18.70)		5.23	-12.10 [-18.51, -5.69]
Malan	55	35.20(40.70)	65	57.50(31.80)		4.59	-22.30 [-35.55, -9.05]
Ott	251	19.70(18.70)	123	25.40(24.30)		5.33	-5.70 [-10.58, -0.82]
Subtotal (95% CI)	535		411			34.52	-13.29 [-17.77, -8.81]
Test for heterogeneity: Chi² = 13.70, df = 6 (P = 0.03), I² = 56.2%							
Test for overall effect: Z = 5.81 (P < 0.00001)							
Total (95% CI)	968		844			100.00	-16.00 [-23.05, -8.94]
Test for heterogeneity: Chi² = 447.30, df = 19 (P < 0.00001), I² = 95.8%							
Test for overall effect: Z = 4.44 (P < 0.00001)							