Review: Clinical pathway and total hip and knee arthroplasty Comparison: 02 Care Pathway vs standard care Outcome: 01 Postoperative complications Study Care pathway Standard care RR (random) Weight RR (random) or sub-category n/N n/N 95% CI % 95% CI 01 Cohort studies Mauerhan D 23/591 1/191 2.08 7.43 [1.01, 54.68] 2.87 Healy W 4/103 2/56 1.09 [0.21, 5.75] Ho D 5/60 2/30 3.15 1.25 [0.26, 6.07] Wammack L (H) 4/31 5/24 4.96 0.62 [0.19, 2.06] 6/55 5/55 5.49 1.20 [0.39, 3.70] Teeny Scranton P 12/77 12/52 10.07 0.68 [0.33, 1.39] Mabrev JD 8/24 10/11 12.27 0.37 [0.20, 0.67] Pearson S 30/119 15/58 13.54 0.97 [0.57. 1.66] Fisher 34/553 41/340 15.83 0.51 [0.33, 0.79] 19.26 Pennington JM 67/261 59/181 0.79 [0.59, 1.06] Subtotal (95% CI) 1874 99 89.51 0.73 [0.53, 0.99 Total events: 193 (Care pathway), 152 (Standard care) Test for heterogeneity: $Chi^2 = 16.37$. df = 9 (P = 0.06), P = 45.0% Test for overall effect: Z = 2.00 (P = 0.05)02 RCT Dowsey M 10/92 20/71 10.49 0.39 [0.19, 0.77] Subtotal (95% CI) 92 10.49 0.39 [0.19, 0.77 Total events: 10 (Care pathway), 20 (Standard care) Test for heterogeneity: not applicable Test for overall effect: Z = 2.69 (P = 0.007)106 Total (95% CI) 1966 100.00 0.68 [0.51, 0.92 Total events: 203 (Care pathway), 172 (Standard care) Test for heterogeneity: $Chi^2 = 18.95$, df = 10 (P = 0.04), P = 47.2%Test for overall effect: Z = 2.48 (P = 0.01) 0.1 0.2 0.5 2 5 10

Favours treatment

Favours control