Source (95% CI)

## **Primary = Other**

 $\begin{array}{lll} \text{Mariathasan, Ureteral, n} = 26 & -1.40 \, [-4.16; \, 1.36] \\ \text{Fumet.2, Lung, n} = 43 & 0.31 \, [-1.12; \, 1.74] \\ \text{Mariathasan, Bladder, n} = 194 & 0.45 \, [-0.12; \, 1.02] \\ \text{Snyder, Ureteral, n} = 25 & 0.72 \, [-0.32; \, 1.76] \\ \text{Mariathasan, Lymph\_node, n} = 26 & 1.60 \, [-0.40; \, 3.60] \\ \text{Total} & 0.50 \, [ \, 0.04; \, 0.95] \\ \text{Heterogeneity: } \chi_4^2 = 3.25 \, (P = .52), \, I^2 = 0\% \, [0\%; \, 79\%] \\ \end{array}$ 

## **Primary = Kidney**

## **Primary = Melanoma**

-0.41 [-2.66; 1.84] Nathanson, n = 24-0.09 [-1.09; 0.91] Liu, n = 121Van Allen, n = 420.27 [-1.10; 1.64] Hugo, n = 270.34[-2.05; 2.73]Riaz, n = 511.34 [ 0.14; 2.54] 0.37 [-0.33; 1.08] Total Heterogeneity:  $\chi_4^2 = 3.82 \ (P = .43), \ I^2 = 0\% \ [0\%; 79\%]$ Total 0.45 [ 0.13; 0.77] Heterogeneity:  $\chi_{12}^2 = 12.51 \ (P = .41), \ I^2 = 4\% \ [0\%; 58\%]$ Test for overall effect: z = 2.72 (P = .006) Test for subgroup differences:  $\chi_2^2 = 0.36$  (P = .83)

