Cancers 2019, 11 S1 of S6

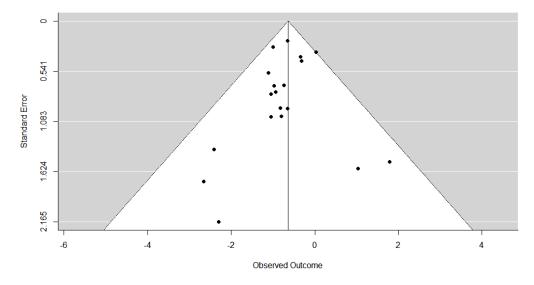
## Tumor Mutational Burden and Efficacy of Immune Checkpoint Inhibitors: A Systematic Review and Meta-Analysis

Jong Yeob Kim, Andreas Kronbichler, Michael Eisenhut, Sung Hwi Hong, Hans J. van der Vliet, Jeonghyun Kang, Jae Il Shin and Gabriele Gamerith

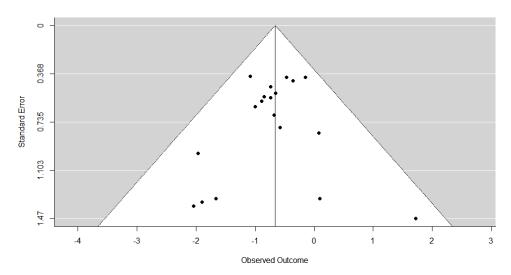
**Table S1.** Results of random-effects, fixed-effects, heterogeneity and Egger p value of all meta-analyses.

Meta-analysis	Number of Studies	Number of Participants	Random Effects Summary Estimate	Random Effects <i>p</i> Value	Fixed Effects Summary Estimate	Fixed Effects p Value	12	Egger p Value
Overall survival, high TMB vs low TMB	19	2609	0.53 (0.42 to 0.67)	0.000000053	0.53 (0.42 to 0.67)	0.000000 053	0	0.5
Progression-free survival, high TMB vs low TMB	19	1151	0.52 (0.40 to 0.67)	0.0000011	0.52 (0.40 to 0.67)	0.000001 1	0	0.48
Overall survival, high TMB, immunotherapy vs chemotherapy	5	2329	0.69 (0.50 to 0.95)	0.023	0.69 (0.50 to 0.95)	0.023	0	0.63
Overall survival, low TMB, immunotherapy vs chemotherapy	4	2118	0.78 (0.60 to 1.00)	0.051	0.78 (0.60 to 1.00)	0.051	0	0.12
Progression-free survival, high TMB, immunotherapy vs chemotherapy	5	2013	0.66 (0.47 to 0.92)	0.014	0.66 (0.47 to 0.92)	0.014	0	0.86
Progression-free survival, low TMB, immunotherapy vs chemotherapy	3	1574	1.14 (0.83 to 1.57)	0.41	1.12 (0.85 to 1.48)	0.4	21	0.097

Cancers **2019**, 11 S2 of S6



**Figure S1.** Overall survival, high TMB vs low TMB, funnel plot.



**Figure S2.** Progression-free survival, high TMB vs low TMB, funnel plot.

Cancers 2019, 11 S3 of S6

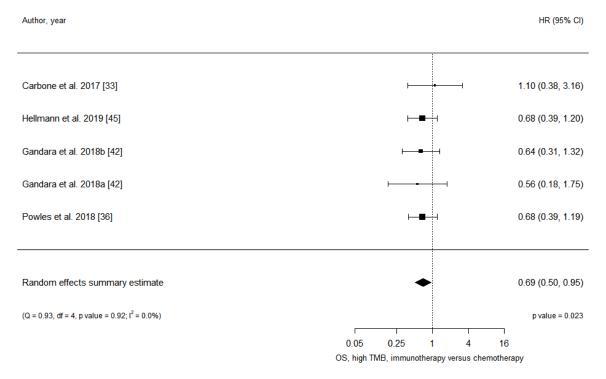
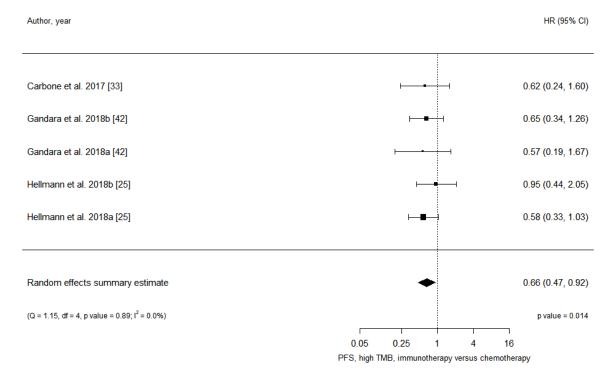
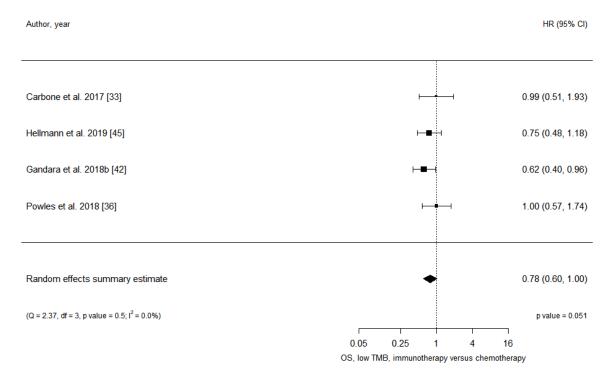


Figure S3. Overall survival, high TMB, immunotherapy vs chemotherapy, random-effects model.

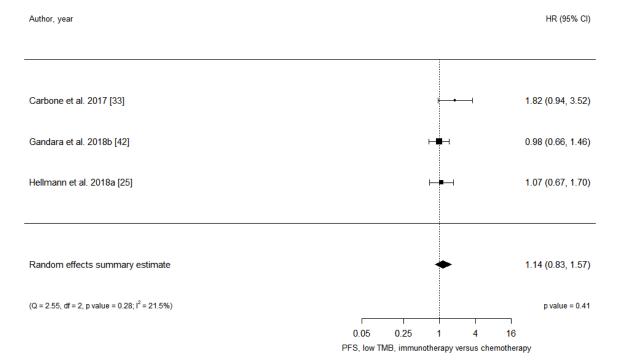


**Figure S4.** Progression-free survival, high TMB, immunotherapy vs chemotherapy, random-effects model.

Cancers 2019, 11 S4 of S6



**Figure S5.** Overall survival, low TMB, immunotherapy vs chemotherapy, random-effects model.



**Figure S6.** Progression-free survival, low TMB, immunotherapy vs chemotherapy, random-effects model.

Cancers **2019**, 11 S5 of S6

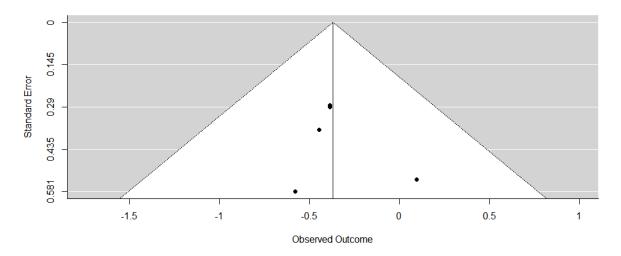
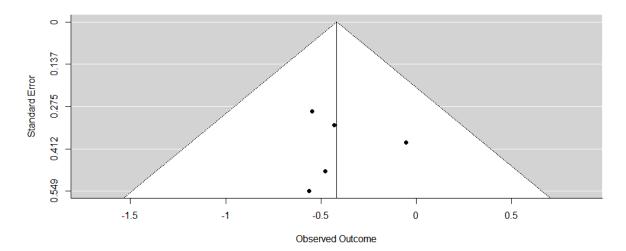


Figure S7. Overall survival, high TMB, immunotherapy vs chemotherapy, funnel plot.



**Figure S8.** Progression-free survival, high TMB, immunotherapy vs chemotherapy, funnel plot.

Cancers **2019**, 11 S6 of S6

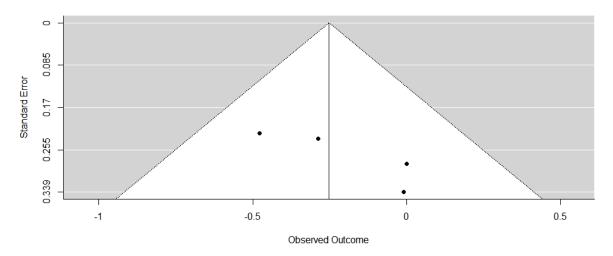


Figure S9. Overall survival, low TMB, immunotherapy vs chemotherapy, funnel plot.

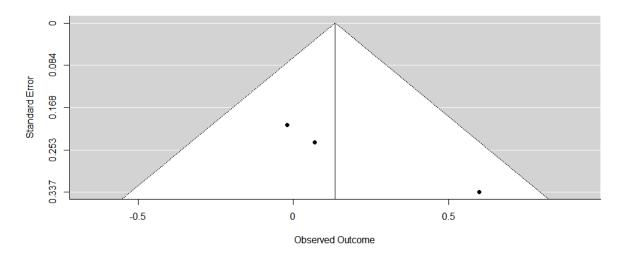


Figure S10. Progression-free survival, low TMB, immunotherapy vs chemotherapy, funnel plot.



© 2019 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (http://creativecommons.org/licenses/by/4.0/).