LETTER TO THE EDITOR



A new prognostic model for localized renal cell carcinoma

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Dear Editor,

I read with interest the review of Tobias Klatte et al. about the prognostic factors and models for renal cell carcinoma, recently published on *World Journal of Urology* [1].

I noted that among the prognostic models for clinically localized disease reported in this article, a new score [called GRade, Age, Nodes and Tumor (GRANT), Table 1], recently developed and validated on ASSURE trial population, is missing [1, 2]. The performance of the GRANT score is similar to that of the UISS modified model [3], but its strength, compared with the others already available, is the ease and clarity of its calculation, with a potential role in the clinical practice [2]. Moreover, the GRANT score is validated also in non clear cell histology [2]. Last, it is the only model that included the age of the patients and it was originally developed in an adjuvant trial of immunotherapy with cytokines [4]: these considerations could candidate this score also as a useful tool as stratifying factor in the future adjuvant immunotherapy trials.

Table 1 The GRANT score: the number of unfavorable risk factors is summed, and patients with 0 or 1 factor are classified in the favorable risk group, while patients with 2 or more risk factors are classified in the unfavorable risk group

Variable	Score
Age	
≤60	0
>60	1
pT (TNM 2002 ^a)	
1-2-3A	0
3B-3C-4	1
Pathological nodal status	
0–X	0
1–2	1
Fuhrman grade	
1–2	0
3–4	1
Favorable group	0-1
Unfavorable group	≥2

^aTNM according to 2002 TNM Staging (American Joint Committee on Cancer 6th edition)

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Compliance with ethical standards

Conflict of interest S. Buti received honoraria for advisory role and as speaker at scientific events from Pfizer, BMS, IPSEN, Pierre-Fabre, Merck Sharp & Dohme (MSD), AstraZeneca; he also received research funding from Novartis.

References

- Klatte T, Rossi SH, Stewart GD (2018) Prognostic factors and prognostic models for renal cell carcinoma: a literature review. World J Urol. https://doi.org/10.1007/s00345-018-2309-4
- 2. Buti S, Puligandla M, Bersanelli M, DiPaola RS, Manola J, Taguchi S, Haas NB (2017) Validation of a new prognostic model to

- easily predict outcome in renal cell carcinoma: the GRANT score applied to the ASSURE trial population. Ann Oncol 28:2747–2753. https://doi.org/10.1093/annonc/mdx492
- Lam JS, Shvarts O, Leppert JT, Pantuck AJ, Figlin RA, Belldegrun AS (2005) Postoperative surveillance protocol for patients with localized and locally advanced renal cell carcinoma based on a validated prognostic nomogram and risk group stratification system. J Urol 174:466–472
- Passalacqua R, Caminiti C, Buti S, Porta C, Camisa R, Braglia L, Tomasello G, Vaglio A, Labianca R, Rondini E, Sabbatini R, Nastasi G, Artioli F, Prati A, Potenzoni M, Pezzuolo D, Oliva E, Alberici F, Buzio C, POLAR-01 Trial Investigators (2014) Adjuvant low-dose interleukin-2 (IL-2) plus interferon-α (IFN-α) in operable renal cell carcinoma (RCC): a phase III, randomized, multicentre trial of the italian oncology group for clinical research (GOIRC). J Immunother 37:440–447. https://doi.org/10.1097/CJI.000000000000000055

