**SUPPLEMENTARY INFORMATION**

**Docetaxel with or without ramucirumab after platinum-based chemotherapy and checkpoint inhibitors in advanced urothelial carcinoma:
a pre-specified subgroup analysis from the phase 3 RANGE trial**

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**Figure S1. CONSORT diagram showing derivation of the post-ICI population**

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**Figure S2. Duration of RANGE treatments and tumor response in the prior-ICI patient subgroups.**

The prior-ICI patient population is shown by RANGE treatment arm, ramucirumab/docetaxel (left) and placebo/docetaxel (right), with an indication of duration of RANGE treatment (mo) and best tumor response (see color key). Patients on each treatment arm were assigned an identification number; the same patient numbers are reflected in Figure 1.



**Figure S3. Kaplan-Meier plot of (A) PFS and (B) OS for post-ICI population**





**Table S1. Summary of RANGE drug exposure of prior-ICI patients**

|  |  |  |
| --- | --- | --- |
|   | **Ramucirumab + docetaxel (n=16)** | **Placebo + docetaxel(n=27)** |
| Patients receiving ramucirumab or placebo, n (%) a | 16 (100) | 27 (100) |
|  Median cycles received, (IQR) b | 3.5 (2.0 – 8.0) | 4.0 (2.0 – 6.0) |
|  Median duration of therapy (IQR) (weeks) | 10.8 (6.0 – 25.4) | 12.0 (7.0 – 19.0) |
| Patients receiving docetaxel, n (%) a | 16 (100) | 27 (100) |
|  Median cycles received, (IQR) b | 3.5 (2.0 – 6.0) | 4.0 (2.0 – 6.0) |
|  Median duration of therapy (IQR) (weeks) | 10.8 (6.0 – 18.0) | 12.0 (7.0 – 17.7) |

Abbreviation: IQR=interquartile range.

a Number of patients who received at least one dose of study drug ramucirumab or placebo either partial or complete.

b Patient was considered to have received a treatment cycle after receiving at least one dose, either partial or complete.

**Table S2. Overview of RANGE trial adverse events of prior-ICI patients**

|  |  |  |
| --- | --- | --- |
|   | **Ramucirumab + docetaxel(n=16)** | **Placebo + docetaxel(n=27)** |
| Patients with ≥1 TEAE, n (%) a Related to study treatment b | 16 (100)15 (93.8) | 27 (100)25 (92.6) |
| Patients with ≥1 CTCAE grade ≥3 TEAE, n (%) Related to study treatment | 11 (68.8)9 (56.3) | 21 (77.8)10 (37.0) |
| Patients with ≥1 SAE, n (%) Related to study treatment | 8 (50.0)6 (37.5) | 13 (48.1)6 (22.2) |
| Patients who discontinued study treatment due to AE, n (%) Related to study treatment | 2 (12.5)0 | 2 (7.4)1 (3.7) |
| Patients who discontinued study treatment due to SAE, n (%) Related to study treatment | 2 (12.5)0 | 1 (3.7)0 |
| Patients who died due to AE on study treatment, n (%) Related to study treatment | 1 (6.3)0 | 1 (3.7)0 |
| Patients who died due to AE within 30 d of discontinuation of study treatment, n (%) Related to study treatment | 1 (6.3)0 | 1 (3.7)0 |

Abbreviations: AE=adverse event; CTCAE= Common Terminology Criteria for Adverse Events; SAE=serious adverse event; TEAE=treatment-emergent adverse event.

a Subjects may be counted in more than one category.

b Relatedness was judged by the investigator.