

GENITOURINARY TUMOURS, NON-PROSTATE

1010 EV-103: Initial results of enfortumab vedotin plus pembrolizumab for locally advanced or metastatic urothelial carcinoma

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Background: Platinum-based chemotherapy remains the standard of care for patients (pts) with locally advanced or metastatic urothelial carcinoma (la/mUC). Despite the use of first-line (1L) PD-1/PD-L1 inhibitors, 71–76% of pts who are cisplatin-ineligible do not respond. EV is an antibody-drug conjugate targeting Nectin-4, which is highly expressed in mUC. EV monotherapy data are encouraging; combination therapy may provide additional benefit. Here, we report initial data on a cohort of cis-ineligible pts receiving 1L EV + pembrolizumab.

Methods: This phase 1b study (NCT03288545) evaluated the safety/activity of EV + pembrolizumab. In the dose-escalation cohort, 1L or 2L pts received 1.0 or 1.25 mg/kg EV + 200 mg pembrolizumab. Cohort A pts received the recommended dose of 1.25 mg/kg EV + pembrolizumab as 1L therapy. In each 21-day cycle, EV was administered on Days 1 and 8 and pembrolizumab on Day 1. The primary endpoint was safety/tolerability; key secondary objectives: recommended EV dose, antitumor activity, DCR, DOR, PFS, and OS.

Results: As of 20 Feb 2019, 29 la/mUC pts (median 68 [51–90] y; 31% liver metastasis, 17% ECOG 2) have been treated with EV (1.25 mg/kg) + pembrolizumab in the 1L setting and completed at least 2 post-baseline scans or discontinued treatment. The most common treatment-emergent adverse events (AE) were fatigue (66%, 14% ≥Grade 3), decreased appetite (52%, 0% ≥Grade 3), alopecia (45%), and diarrhea (41%, 3% ≥Grade 3). Among AE of clinical interest, rash of any type occurred in 45% of pts (14% ≥Grade 3), peripheral neuropathy of any type in 52% (3% ≥Grade 3), and 17% experienced immune-mediated events that required systemic steroid treatment (10% ≥Grade 3). Overall, 2 pts (7%) discontinued treatment with EV + pembrolizumab due to AE (lipase increase, multi-organ failure). Preliminary confirmed ORR per RECIST 1.1 was 62% by investigators, including a 14% CR rate. The DCR was 90%.

Conclusions: In 1L cis-ineligible pts with la/mUC, EV + pembrolizumab demonstrates encouraging efficacy with a tolerable and manageable safety profile. Further evaluation of this combination is warranted. Updated data, including responses pending confirmation, will be available at the meeting.

Clinical trial identification: NCT03288545.

Editorial acknowledgement: Heather Brignull, PhD of Seattle Genetics.

Legal entity responsible for the study: Seattle Genetics, Inc.

Funding: Seattle Genetics, Inc. Astellas Pharma, Inc, and Merck.

Disclosure: C.J. Hoimes: Advisory / Consultancy, Speaker Bureau / Expert testimony: Bristol-Myers Squibb; Advisory / Consultancy: Eisai; Advisory / Consultancy: Foundation Medicine; Advisory / Consultancy, Speaker Bureau / Expert testimony: Genentech; Advisory / Consultancy, Research grant / Funding (institution): Merck; Advisory / Consultancy: Prometheus Labs; Honoraria (self), Advisory / Consultancy: Seattle Genetics. J.E. Rosenberg: Advisory / Consultancy: Adicet Bio; Advisory / Consultancy, Research grant / Funding (institution): Agensys; Honoraria (self), Advisory / Consultancy, Research grant / Funding (institution): AstraZeneca; Advisory / Consultancy, Research grant / Funding (institution): Bayer; Advisory / Consultancy: BioClin Therapeutics; Honoraria (self), Advisory / Consultancy, Travel / Accommodation / Expenses: Bristol-Myers Squibb; Advisory / Consultancy: EMD Serono; Advisory / Consultancy: Fortress Biotech; Honoraria (self), Research grant / Funding (institution), Travel / Accommodation / Expenses: Genentech; Advisory / Consultancy: Inovio Pharma; Honoraria (self); Eli Lilly; Advisory / Consultancy, Shareholder / Stockholder / Stock options: Merck; Advisory / Consultancy: Pharcycyclics; Advisory / Consultancy: QED Therapeutics; Advisory / Consultancy: Sanofi; Advisory / Consultancy, Research grant / Funding (institution): Seattle Genetics; Advisory / Consultancy: Sensei Biotherapeutics; Advisory / Consultancy: Western Oncolytics; Shareholder / Stockholder / Stock options: Illumina; Honoraria (self): Chugai Pharma. S. Srinivas: Advisory / Consultancy: Roche; Advisory / Consultancy, Speaker Bureau / Expert testimony, Research grant / Funding (institution): Genentech; Research grant / Funding (institution): Bristol-Myers Squibb; Research grant / Funding (institution): Exelixis; Research grant / Funding (institution): Merck; Research grant / Funding (institution): Seattle Genetics. D.P. Petrylak: Advisory / Consultancy, Research grant / Funding (institution): Astellas; Advisory / Consultancy, Research grant / Funding (institution): AstraZeneca; Advisory / Consultancy, Research grant / Funding (institution): Bayer; Advisory / Consultancy, Shareholder / Stockholder / Stock options: Bellicum Pharm; Advisory / Consultancy, Research grant / Funding (institution): Dendreon; Advisory / Consultancy: Exelixis; Advisory / Consultancy: Ferring; Advisory / Consultancy, Research grant / Funding (institution): Johnson & Johnson; Advisory / Consultancy, Research grant / Funding (self): Eli Lilly; Advisory / Consultancy, Research grant / Funding

(institution): Millennium; Advisory / Consultancy: Medivation; Advisory / Consultancy, Research grant / Funding (institution): Pfizer; Advisory / Consultancy, Research grant / Funding (institution): Roche; Advisory / Consultancy, Speaker Bureau / Expert testimony, Research grant / Funding (institution): Sanofi; Advisory / Consultancy, Shareholder / Stockholder / Stock options: Tyme; Advisory / Consultancy, Research grant / Funding (institution): Seattle Genetics; Research grant / Funding (institution): Agensys; Speaker Bureau / Expert testimony: Celgene; Research grant / Funding (institution): Clovis Oncology; Research grant / Funding (institution): Genentech. M. Milowsky: Research grant / Funding (institution): Mirati Therapeutics; Research grant / Funding (institution): Pfizer; Research grant / Funding (institution): Cerulean Pharm; Research grant / Funding (institution): Merck; Research grant / Funding (institution): Seattle Genetics; Research grant / Funding (institution): Acerta Pharma; Research grant / Funding (institution): BioClin Therapeutics; Research grant / Funding (institution): Genentech; Research grant / Funding (institution): Bristol-Myers Squibb; Research grant / Funding (institution): X4 Pharma; Research grant / Funding (institution): MedImmune; Research grant / Funding (institution): Incyte; Research grant / Funding (institution): Innocrin Pharma; Research grant / Funding (institution): Inovio Pharmaceuticals. J.R. Merchan: Research grant / Funding (institution): Seattle Genetics; Advisory / Consultancy: Exelixis; Research grant / Funding (institution): Rexahn; Research grant / Funding (institution): Eli Lilly; Research grant / Funding (institution): Novartis; Research grant / Funding (institution): Tocagen; Research grant / Funding (institution): Agensys; Research grant / Funding (institution): Tracoon. M.A. Bilen: Advisory / Consultancy: Exelixis; Advisory / Consultancy, Research grant / Funding (institution): Nektar; Advisory / Consultancy: Genomic Health; Advisory / Consultancy, Research grant / Funding (institution): Seattle Genetics; Advisory / Consultancy: Sanofi; Research grant / Funding (institution): Bayer; Research grant / Funding (institution): Bristol-Myers Squibb; Research grant / Funding (institution): Genentech/Roche; Research grant / Funding (institution): Incyte; Research grant / Funding (institution): AstraZeneca; Research grant / Funding (institution): Tricon Pharmaceuticals; Research grant / Funding (institution): Peleton; Research grant / Funding (institution): Pfizer. S. Gupta: Honoraria (self), Advisory / Consultancy, Research grant / Funding (institution): Pfizer; Honoraria (self), Advisory / Consultancy, Speaker Bureau / Expert testimony: Genentech; Honoraria (self), Advisory / Consultancy, Research grant / Funding (institution): Seattle Genetics; Research grant / Funding (institution): Astellas; Research grant / Funding (institution): Medivation; Research grant / Funding (institution): Innocrin Pharma; Research grant / Funding (institution): MedImmune; Research grant / Funding (institution): Merck. A. Carret: Honoraria (self), Travel / Accommodation / Expenses, Shareholder / Stockholder / Stock options, Full / Part-time employment: Seattle Genetics. N. Yuan: Travel / Accommodation / Expenses, Shareholder / Stockholder / Stock options, Full / Part-time employment: Seattle Genetics. A. Melhem-Bertrandt: Travel / Accommodation / Expenses, Shareholder / Stockholder / Stock options, Full / Part-time employment: Astellas. T. Flaig: Advisory / Consultancy: GTX; Leadership role, Shareholder / Stockholder / Stock options, Officer / Board of Directors: Aurora Oncology; Honoraria (self): BN ImmunoTherapeutics; Research grant / Funding (institution): AstraZeneca; Research grant / Funding (institution): AstraZeneca; Research grant / Funding (institution): Bristol-Myers Squibb; Research grant / Funding (institution): Bavarian Nordic; Research grant / Funding (institution): Dendreon; Research grant / Funding (institution): Exelixis; Research grant / Funding (institution): Genentech; Research grant / Funding (institution): GTx; Research grant / Funding (institution): Janssen; Research grant / Funding (institution): La Roche-Posay; Research grant / Funding (institution): Eli Lilly; Research grant / Funding (institution): Medivation; Research grant / Funding (institution): Novartis; Research grant / Funding (institution): Seattle Genetics; Research grant / Funding (institution): Pfizer.