DEFINING “PLATINUM-INELIGIBLE” PATIENTS WITH METASTATIC UROTHELIAL CANCER

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On behalf of the Platinum-Ineligibility in Bladder Cancer Working Group

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DEFINING “PLATINUM-INELIGIBLE” PATIENTS WITH METASTATIC UROTHELIAL CANCER

Gupta, S et al. ASCO GU 2019, Abstract No. 451
BACKGROUND AND HYPOTHESIS

- Patients with metastatic urothelial cancer (mUC) who are ineligible to receive cisplatin have limited treatment options.
- Pembrolizumab and atezolizumab were approved as 1st-line therapy in these patients, but their use is now restricted to those with tumours with high PD-L1 expression, or platinum-ineligible.
- “Platinum-ineligible” mUC (cisplatin and carboplatin ineligible), remains undefined, and a clear definition is needed for determining treatment and clinical trial eligibility.

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METHODS

- 56 genitourinary medical oncologists in the US (from academic and community settings) were surveyed using the online tool (Survey Monkey) regarding definition of “platinum- ineligible” based on several clinical parameters (Round 1)

- Responders had the opportunity to add other factors they considered for “platinum- ineligibility”. Based on the responses, the survey was further refined (Round 2) and responses were compiled to generate a consensus definition

- Responses were received from 43/56 (77%) of those surveyed in Round 1 and 47/56 (83.9%) in Round 2
What threshold ECOG PS should be used to define “platinum-ineligibility”?

ECOG PS >= 2

ECOG PS >= 3

N= 43 respondents

What threshold age should be used to define “platinum-ineligibility”?

> 90 years
> 85 years
> 80 years
> 75 years
> 70 years
No age should be used to...
Other (please specify)

N= 43 respondents

ECOG, eastern cooperative oncology group performance status
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What class of heart failure do you consider to define “platinum-ineligibility”?

In a patient with ECOG PS 2, what creatinine clearance cut-off you use to define “platinum-ineligibility”?

What threshold creatinine clearance should be used for “platinum-ineligibility”?

ECOG, eastern cooperative oncology group performance status; NYHA, new york heart association
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RESULTS FROM ROUND 2

• The group were specifically asked if they would give carboplatin to patients with Cr Cl between 30-60ml/min (as based on the EORTC study 30986, mUC patients with ECOG PS2 and GFR >30 and < 60 ml/min had poor survival outcomes with carboplatin-based therapies).

• We also incorporated peripheral neuropathy based on feedback from Round 1.

In a patient with ECOG PS 2, would you give carboplatin to patients with creatinine clearance >30 but <60 ml/min?

What grade of peripheral neuropathy would you consider for “carboplatin-ineligibility”?

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Cr Cl, creatinine clearance; ECOG PS, eastern cooperative oncology group performance status; EORTC, european organisation for research and treatment of cancer; GFR, glomerular filtration rate; mUC, metastatic urothelial cancer.

Based on the compiled results from Round 1 and 2, the Bladder Cancer Working Group recommend 1 of the following parameters be used to define "platinum-ineligible" mUC:

- ECOG PS ≥3
- Cr Cl <30 ml/min
- Peripheral neuropathy ≥ 3
- NYHA Heart Failure Class ≥ 3
- ECOG PS 2 and Cr Cl < 30 ml/min

The consensus definition would help provide guidance at the point of care and for determining clinical trial eligibility for “platinum-ineligible” mUC patients.

Cr Cl, creatinine clearance; ECOG PS, eastern cooperative oncology group performance status; mUC, metastatic urothelial cancer, NYHA, new york heart association
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