Nivolumab improves response rate in Japanese patients treated for renal cell carcinoma

Renal cell carcinoma (RCC) is highly lethal

Accounts for 2.4% of adult malignancies¹

30% of patients present with metastatic disease¹

40% of patients will die from metastases¹

13th most common cause of cancer death worldwide²

¹Mazza C, et al. *Ther Adv Med Oncol*. 2017;9(3):171-181. ²Capitanio U, et al. *Eur Urol*. 2019;75(1):74-84.

Current treatments for RCC are associated with limited overall survival



Mazza C, et al. Ther Adv Med Oncol. 2017;9(3):171-181.

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Motzer RJ, et al. *N Engl J Med*. 2015;373(19):1803-1813.

Promising immunotherapies restore the anticancer immune response



Mazza C, et al. *Ther Adv Med Oncol*. 2017;9(3):171-181. Thompson RH, et al. *Cancer Res*. 2006;66(7):3381-3385. TCR = T-cell receptor MHC = major histocompatibility complex PD-L1 = programmed death-ligand 1 PD-1 = programmed death protein 1

Promising immunotherapies restore the anticancer immune response



Mazza C, et al. Ther Adv Med Oncol. 2017;9(3):171-181.

Nivolumab improves overall survival (OS) versus everolimus in patients with advanced RCC





Does nivolumab improve OS in a Japanese subgroup?

Efficacy/safety may differ in Asian countries



Liu X, et al. *Acta Oncologica*. 2017;56(4):582-589. Ye D, et al. *Clin Genitourin Cancer*. 2014;12(4):225-233. Oh WK, et al. *International Journal of Oncology*. 2014;44(1):5-16.



Does nivolumab improve OS in a Japanese subgroup?

Efficacy/safety may differ in Asian countries





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Japanese and global subgroups of the CheckMate 025 study were assessed

Nivolumab 3 mg/kg intravenously every 2 weeks

Everolimus 10-mg tablet once daily

Motzer RJ, et al. *N Engl J Med*. 2015;373(19):1803-1813.

Japanese and global subgroups of the CheckMate 025 study were assessed



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Median OS was not reached for either treatment in the Japanese subgroup



Tomita Y, et al. Jpn J Clin Oncol. 2017;47(7):639-646.

*NR = not reached



Tomita Y, et al. Jpn J Clin Oncol. 2017;47(7):639-646.

nivolumab everolimus



Nivolumab had superior safety to everolimus for both groups



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nivolumab everolimus

Japanese patients had a higher response rate to nivolumab versus everolimus



These results support the recent approval of nivolumab for previously treated RCC patients in Japan

