

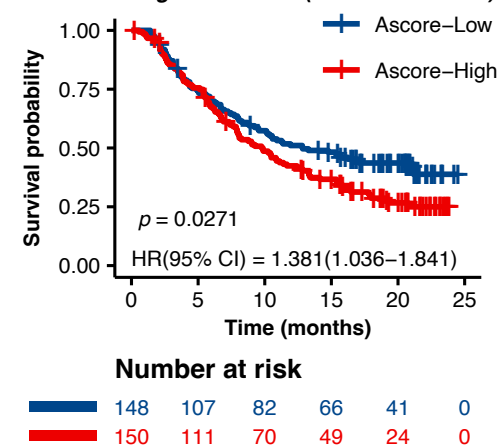
A

## IMvigor210 cohort (Bladder Cancer)

| Characteristics            | Number     | HR(95% CI)             | P.Value               |
|----------------------------|------------|------------------------|-----------------------|
| <b>Univariate-cox</b>      |            |                        |                       |
| <b>Ascore</b>              | <b>168</b> | <b>1.98(1.34–2.92)</b> | <b>&lt; 0.001 ***</b> |
| <b>Gender</b>              |            |                        |                       |
| Female                     | 35         | NA                     | NA                    |
| Male                       | 133        | 0.73(0.47–1.14)        | 0.165                 |
| <b>ECOG score</b>          |            |                        |                       |
| 0                          | 65         | NA                     | NA                    |
| <b>1</b>                   | <b>96</b>  | <b>2.44(1.6–3.74)</b>  | <b>&lt; 0.001 ***</b> |
| 2                          | 7          | 2.04(0.72–5.8)         | 0.18                  |
| <b>Liver metastasis</b>    |            |                        |                       |
| No                         | 104        | NA                     | NA                    |
| Yes                        | 48         | 1.38(0.92–2.09)        | 0.123                 |
| <b>Tobacco use history</b> |            |                        |                       |
| Never                      | 54         | NA                     | NA                    |
| Previous/Current           | 114        | 0.98(0.65–1.48)        | 0.926                 |
| <b>Multivariate-cox</b>    |            |                        |                       |
| <b>Ascore</b>              | <b>168</b> | <b>1.84(1.23–2.74)</b> | <b>0.003 **</b>       |
| <b>ECOG score</b>          |            |                        |                       |
| 0                          | 65         | NA                     | NA                    |
| <b>1</b>                   | <b>96</b>  | <b>2.28(1.49–3.49)</b> | <b>&lt; 0.001 ***</b> |
| 2                          | 7          | 1.95(0.69–5.52)        | 0.212                 |

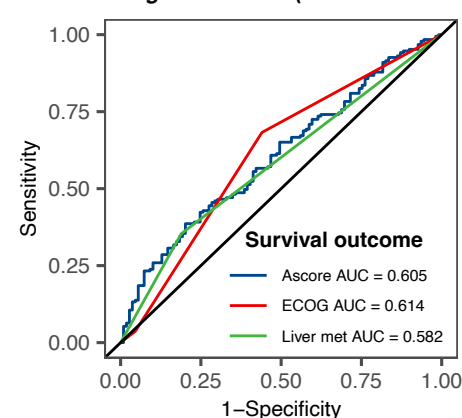
B

## IMvigor210 cohort (Urothelial Cancer)



D

## IMvigor210 cohort (Urothelial Cancer)



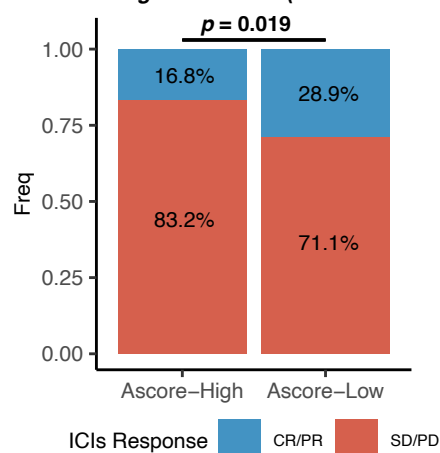
C

## IMvigor210 cohort (Urothelial Cancer)

| Characteristics            | Number     | HR(95% CI)             | P.Value               |
|----------------------------|------------|------------------------|-----------------------|
| <b>Univariate-cox</b>      |            |                        |                       |
| <b>Ascore</b>              | <b>298</b> | <b>1.54(1.17–2.02)</b> | <b>0.002 **</b>       |
| <b>Gender</b>              |            |                        |                       |
| Female                     | 65         | NA                     | NA                    |
| Male                       | 233        | 0.84(0.6–1.18)         | 0.313                 |
| <b>ECOG score</b>          |            |                        |                       |
| 0                          | 121        | NA                     | NA                    |
| <b>1</b>                   | <b>165</b> | <b>2.18(1.6–2.98)</b>  | <b>&lt; 0.001 ***</b> |
| 2                          | 12         | 1.56(0.71–3.41)        | 0.268                 |
| <b>Liver metastasis</b>    |            |                        |                       |
| No                         | 190        | NA                     | NA                    |
| <b>Yes</b>                 | <b>81</b>  | <b>1.88(1.38–2.55)</b> | <b>&lt; 0.001 ***</b> |
| <b>Tobacco use history</b> |            |                        |                       |
| Never                      | 98         | NA                     | NA                    |
| Previous/Current           | 200        | 0.95(0.7–1.29)         | 0.738                 |
| <b>Multivariate-cox</b>    |            |                        |                       |
| <b>Ascore</b>              | <b>298</b> | <b>1.37(1.03–1.82)</b> | <b>0.028 *</b>        |
| <b>ECOG score</b>          |            |                        |                       |
| 0                          | 121        | NA                     | NA                    |
| <b>1</b>                   | <b>165</b> | <b>2.07(1.5–2.86)</b>  | <b>&lt; 0.001 ***</b> |
| 2                          | 12         | 1.39(0.63–3.08)        | 0.415                 |
| <b>Liver metastasis</b>    |            |                        |                       |
| No                         | 190        | NA                     | NA                    |
| <b>Yes</b>                 | <b>81</b>  | <b>1.7(1.25–2.33)</b>  | <b>&lt; 0.001 ***</b> |

E

## IMvigor210 cohort (Urothelial Cancer)



F

## IMvigor210 cohort (Urothelial Cancer)

