A UK real-world observational study of avelumab + axitinib (A + Ax) in advanced renal cell carcinoma (aRCC): 24-month interim results

P. Nathan,<sup>1</sup> N. Charnley,<sup>2</sup> R. Frazer,<sup>3</sup> J. McGrane,<sup>4</sup> I. Muazzam,<sup>5</sup> S. Rudman,<sup>6</sup> A. Sharma,<sup>1</sup> R. Stevenson,<sup>7</sup> J. Hickey,<sup>8</sup> A. Tahim,<sup>9</sup> A. R. Ritchie<sup>9</sup>

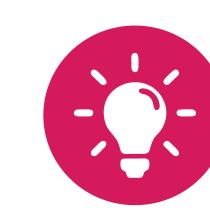
<sup>1</sup>Mount Vernon Cancer Centre, Northwood, UK; <sup>2</sup>Lancashire Teaching Hospitals, Preston, UK; <sup>3</sup>Velindre Cancer Centre, Cardiff, Wales, UK; <sup>4</sup>Royal Cornwall Hospital NHS Trust, Cornwall, Truro, UK; <sup>5</sup>Hull University Teaching Hospitals NHS Trust, Castle Hill Hospital, Cottingham, UK; <sup>6</sup>Guy's and St Thomas' NHS Foundation Trust, London, UK; <sup>7</sup>Queen Elizabeth Hospital, Birmingham, UK; <sup>8</sup>Real-World Evidence, OPEN Health, Marlow, UK; <sup>9</sup>Pfizer Ltd, Tadworth, Surrey, UK

# SCOPE



In this interim analysis of patients with aRCC (N=78) who had initiated first-line treatment with A + Ax in the UK, overall survival (OS), progression-free survival (PFS), and objective response rate (ORR) were assessed at 24 months post treatment initiation

# CONCLUSIONS



- The OS rate was observed to be 60% at 24 months post treatment initiation, in line with the findings of previously published real-world and clinical trial data<sup>1-4</sup>
- Clinical response results in this real-world study of A + Ax combination treatment were comparable to previously published real-world data in patients with aRCC<sup>1</sup>
- Complete responses were observed in 1 patient with a favorable risk profile and in 2 patients with intermediate risk profiles
- Results at 24 months for OS, ORR, and best response were generally consistent with findings from the JAVELIN Renal 101 clinical trial,<sup>2</sup> with no new emerging adverse events (AEs)

**GET POSTER PDF** Copies of this poster obtained through Quick Response (QR) Code are for personal use only and may not be reproduced without permission from ASCO® or the author of this poster. Per ASCO requirements you will be redirected to the ASCO meeting site





Please scan this QR Code with your smartphone app to view of plain language summary of the accepted scientific abstract



# BACKGROUND

- Combination therapy with A + Ax in patients with previously untreated aRCC has shown superior PFS and ORR vs sunitinib across all International Metastatic RCC Database Consortium (IMDC) risk groups 1-4
- A + Ax combination therapy is approved and funded in the UK for the treatment of aRCC. The European Commission approved A + Ax for first-line treatment of adult patients with aRCC on October 29, 2019,5 and it has been funded by Scottish Medicines Consortium (SMC) since October 12, 2020, and by the National Institute for Health and Care Excellence (NICE) via the Cancer Drugs Fund (CDF) since July 30, 2020<sup>6</sup>
- Prior to receiving marketing authorization, A + Ax combination therapy was available to patients in the UK via an early access to medicines scheme (EAMS; EAMS no. 11648/0002) in August 2019<sup>7</sup>

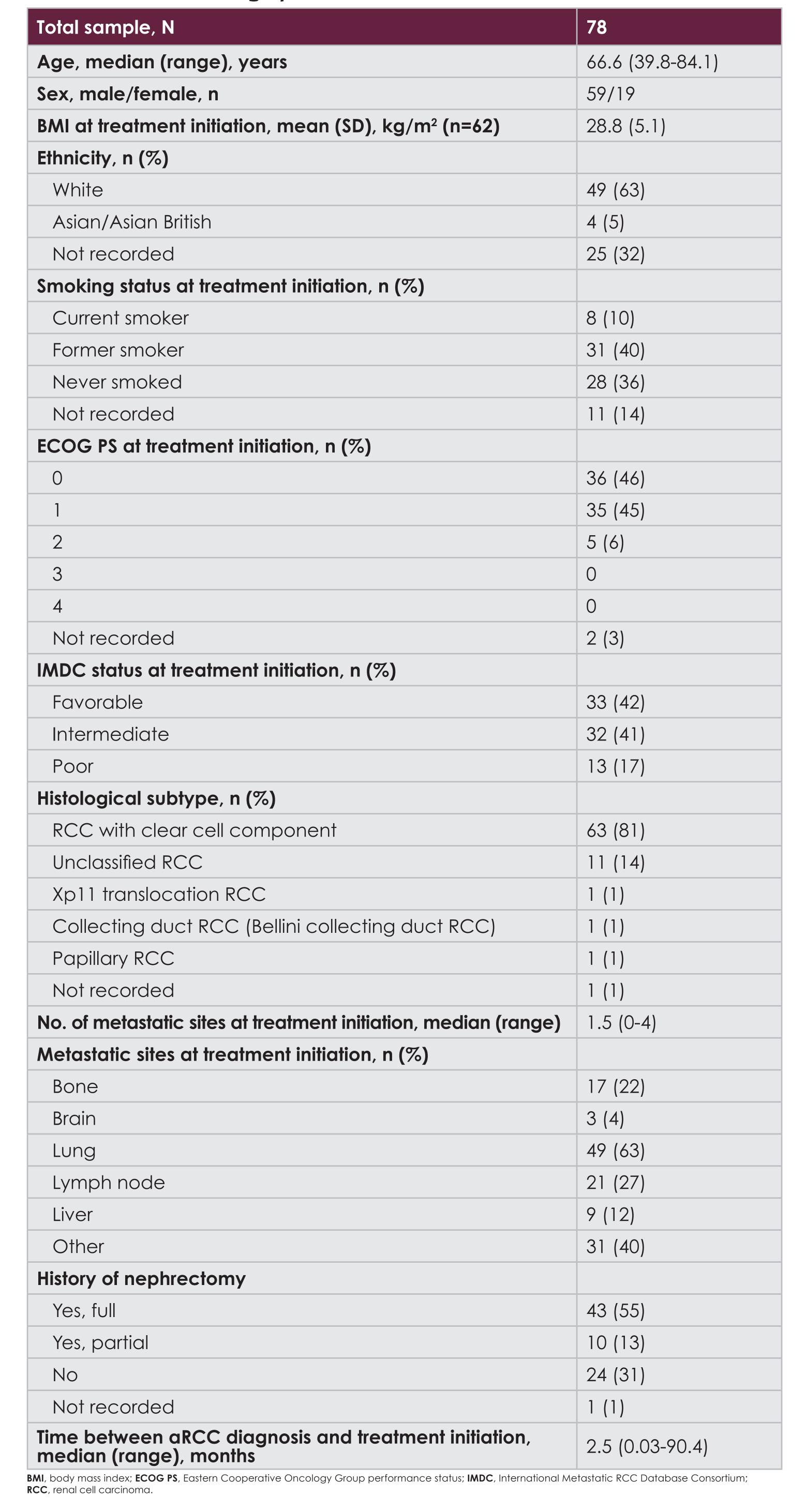
### METHODS

- In this UK-based multicenter, noninterventional cohort study, patients aged ≥18 years with a diagnosis of aRCC initiated A + Ax on or after August 1, 2019, via EAMS
- National Health Service (NHS) research ethics committee (REC) review was not required for this study as it was an observational retrospective study in which members of the direct-care team collected all patient-level data<sup>8</sup>
- Inclusion criteria were diagnosis of aRCC; initiation of A + Ax on or after August 1, 2019, via EAMS; and age ≥18 years. Patient informed consent was not required
- The primary endpoints of interest were OS, PFS, ORR, and best response at 24 months post A + Ax initiation
- Secondary endpoints included baseline demographics and clinical characteristics, history of RCC before A + Ax initiation, patterns of A + Ax use, and treatment-related safety events
- Data were analyzed descriptively. Total recruitment was 130 patients; follow-up will continue until July 2023

# RESULTS

 A total of 78 patients from 9 UK sites with 24-month follow-up data at database lock were included in this interim analysis; patient demographics and clinical characteristics at baseline are summarized in Table 1

Table 1. Baseline demographics and clinical characteristics





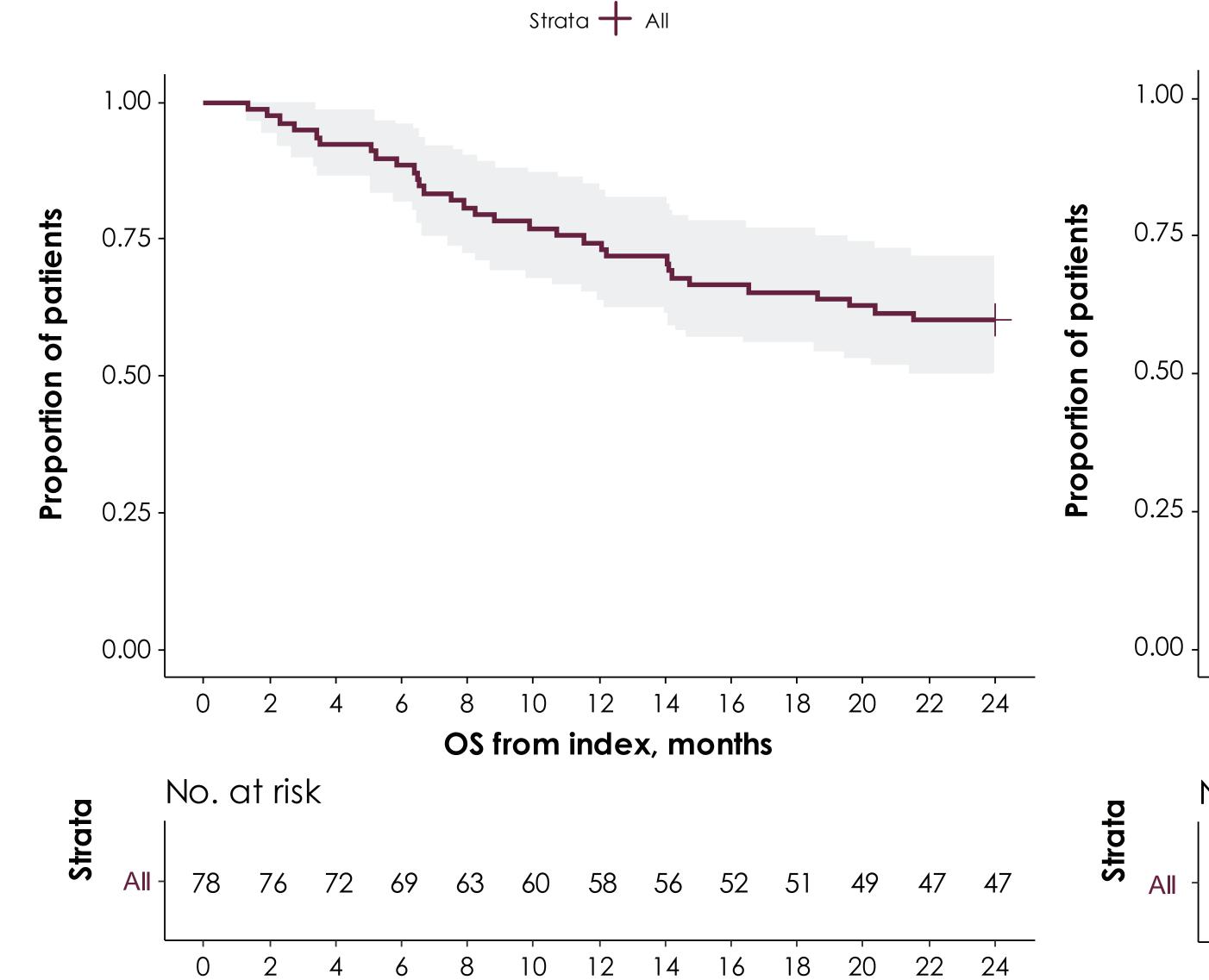
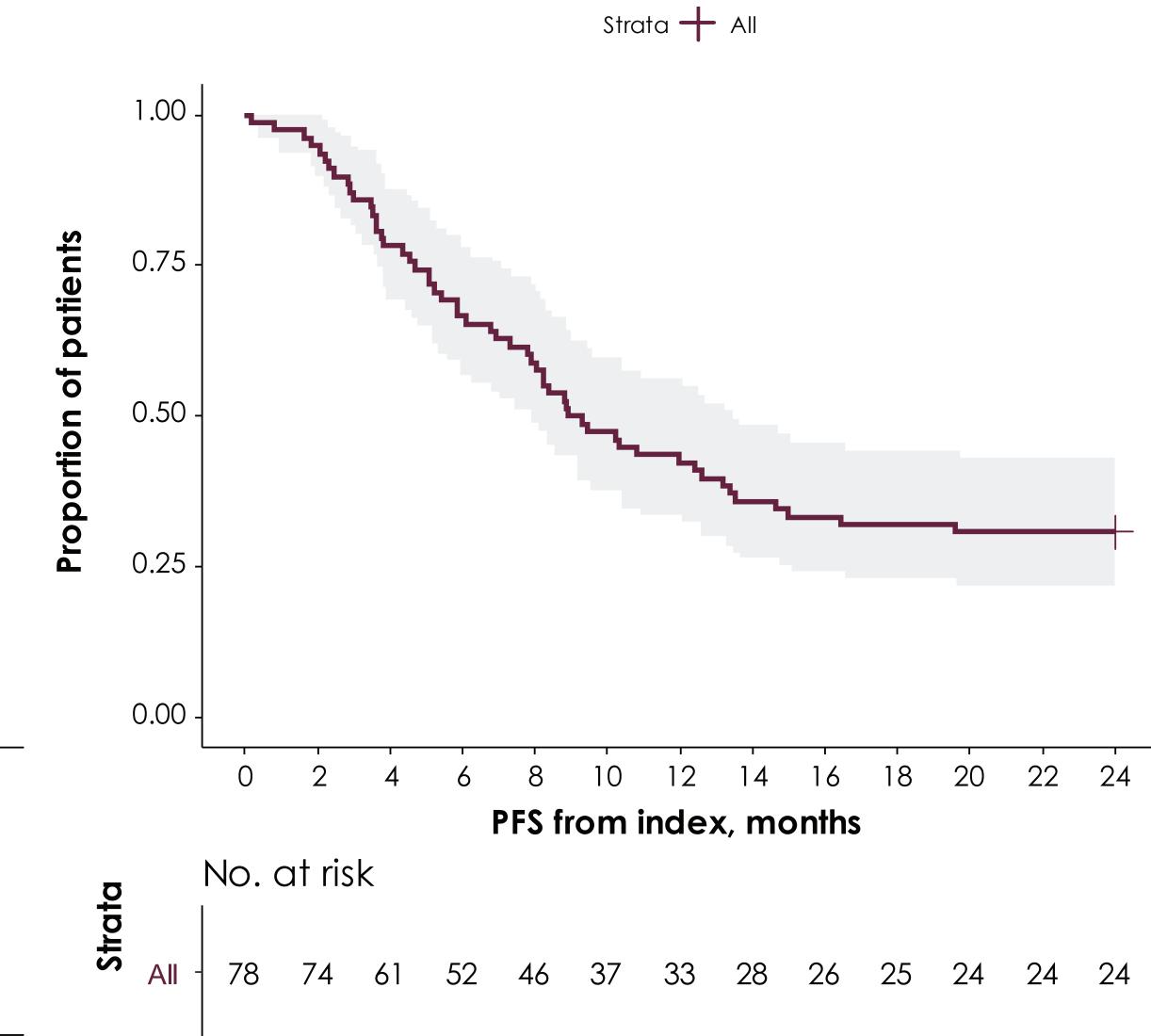
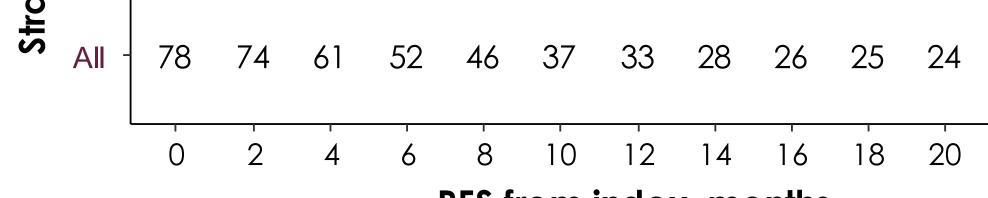


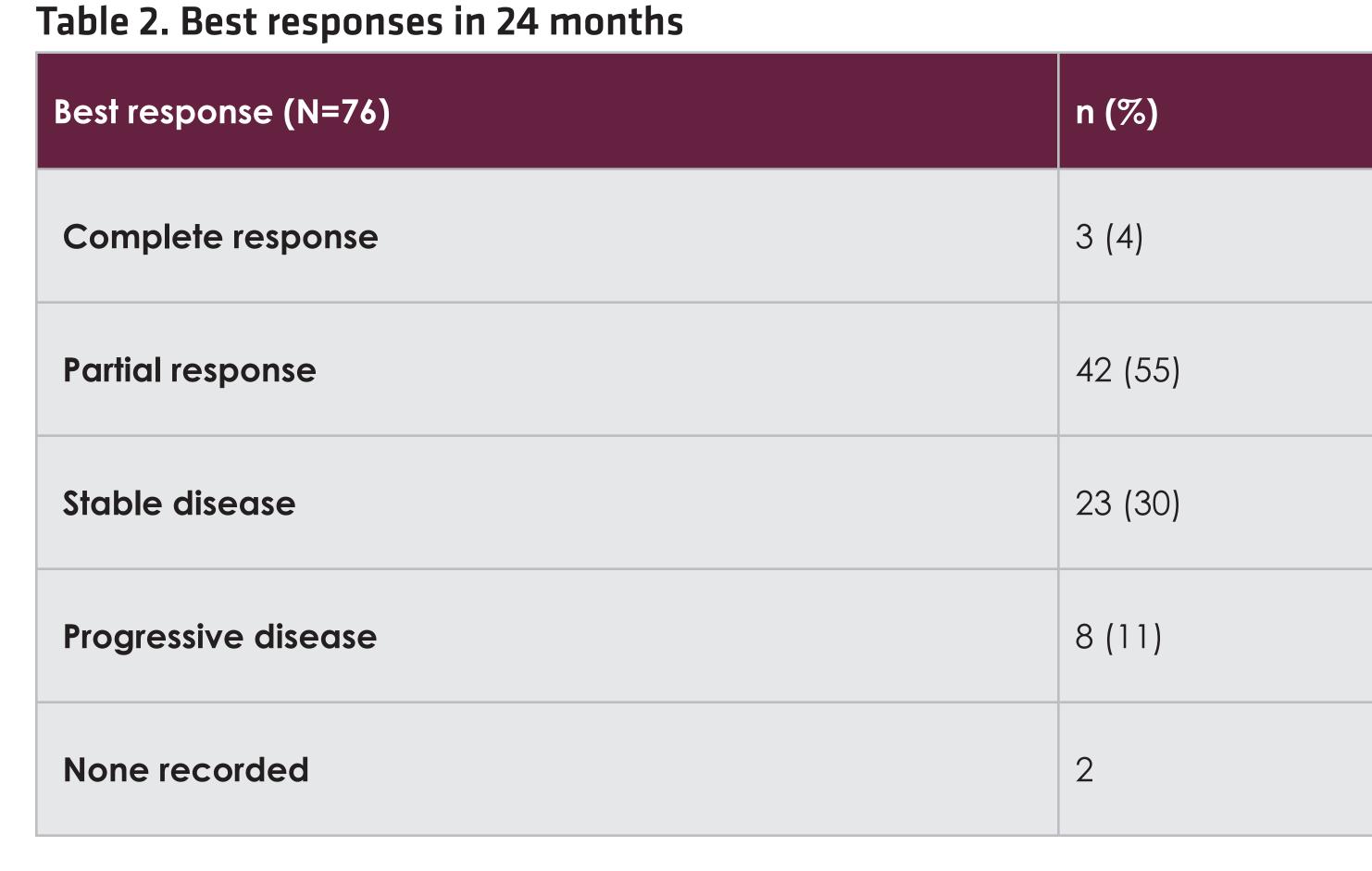
Figure 2. Kaplan-Meier plot of PFS at 24 months post treatment initiation





PFS from index, months

8 10 12 14 16 18 20 22 24 Best response (N=76)



• The OS rate at 24 months was 60% (95% CI, 49.4%-71.1%) (**Figure 1**)

• The PFS rate at 24 months was 31% (95% CI, 20.5%-41.0%) (Figure 2)

• The ORR (n=76) at 24 months was 59% (95% CI, 48.2%-70.3%), with:

The ORR stratified by baseline IMDC risk group is summarized in Figure 3

The OS rates at 24 months by IMDC risk status were:

Median PFS was 9.1 months (95% CI, 7.9-13.4 months)

Best responses within 24 months are summarized in Table 2

Favorable, 76% (95% CI, 61.1%-90.4%)

Poor, 15% (95% CI, 0%-35.0%)

Intermediate, 63% (95% CI, 45.7%-79.3%)

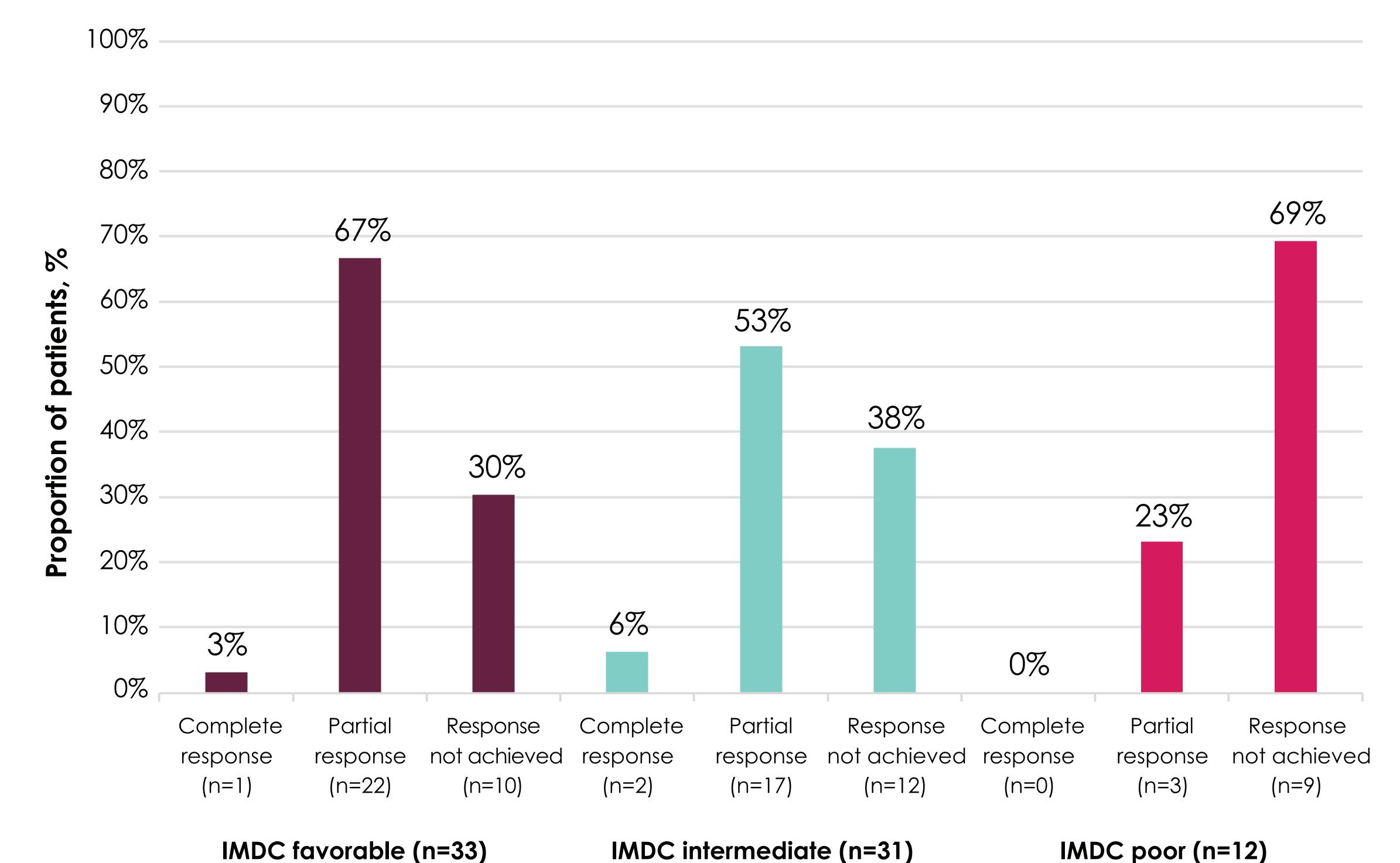
4% (n=3) achieving complete response

55% (n=42) achieving partial response

- Median duration of response was 11.9 months (range, 0.4-23.7 months)
- Median time to discontinuation (TTD) of either A or Ax was 5.5 months (range, 0.5-20.5 months; n=50)
- Median TTD of both A + Ax was 5.6 months (range, 0.8-20.5 months;
- Of 78 patients, 62 experienced an AE due to A + Ax treatment, 8 of whom had 14 serious AEs in total
- The most common AEs were diarrhea (n=31 [40%]), fatigue (n=22 [28%]), rash (n=18 [23%]), and oral mucositis (n=18 [23%])
- Of 78 patients, 3 patients discontinued Ax due to the following AEs: diarrhea (n=2 [3%]), abnormal hepatic function (n=1 [1%]), and abdominal pain (n=1 [1%])

## Figure 3. Response by baseline IMDC risk group in evaluable patients

OS from index, months



**IMDC**, International Metastatic RCC Database Consortium.

OS, overall survival; PFS, progression-free survival

 In list Germany (CrossRef Funder ID: 10.13039/100009945). Editorial support was provided by Hiba Al-Ashtal of Clinical Thinking and the healthcare business of Merck KGaA, Darmstadt, Germany (CrossRef Funder ID: 10.13039/100009945).

### A real-world study of avelumab + axitinib treatment for people with advanced renal cell cancer in the UK: results after 2 years

View scientific abstract

The full title of this abstract is: A UK real-world observational study of avelumab + axitinib (A + Ax) in advanced renal cell carcinoma (aRCC): 24-month interim results

Please note this summary only contains information from the scientific abstract

View scientific abstract



Date of summary: February 2023



Avelumab <a-VEL-yoo-mab>

Medical terms pronunciations





What are the key takeaways from this summary?



### with avelumab + axitinib in a day-to-day setting in the UK

People were treated in hospitals or clinics as part of their normal care and were not taking part in a clinical trial

• In this study, researchers looked at results from people with advanced renal cell cancer who were treated

- Researchers looked at how well the cancer responded to treatment with avelumab + axitinib and side effects when everyone had been studied for at least 2 years Researchers found that results from people who received avelumab + axitinib in this study were similar to
- Overall, the results from this study provide more support for using avelumab + axitinib in people with advanced renal cell cancer
- Results from this study are not final, and updated results will be shared in the future
- What did this study look at?

Background

### In RCC, cancer cells form in the tubes of the kidney that filter and clean the blood RCC is called advanced RCC (aRCC) when it has spread outside of the kidneys to

What are avelumab and axitinib?

What is advanced renal cell cancer?

results from an earlier clinical trial called JAVELIN Renal 101

Renal cell cancer (RCC) is the most common type of kidney cancer

was approved as a treatment for people with aRCC

treatment works in normal care, outside of a clinical trial

other parts of the body, such as bones, lungs, and the liver

- These are medicines used to treat people with aRCC Avelumab is a type of immunotherapy. Immunotherapy can help the body's immune system find and destroy cancer cells. Avelumab is given as a drip (infusion) into a vein for about an hour once



What happened in this study?

every 2 weeks

or poor-risk disease

making new blood vessels. Axitinib is a tablet taken by mouth twice each day

What are risk factors in people with aRCC? Certain characteristics can help predict how long someone with aRCC will live with treatment. These characteristics are called risk factors

Axitinib can help slow down the growth of cancer cells. It does this by stopping the cancer from

Based on results from the JAVELIN Renal 101 clinical trial, use of avelumab + axitinib in combination

risk disease

People with poor-risk disease tend to live for a shorter time than people with favorable- or intermediate-

By counting the number of risk factors, researchers can find out if someone has favorable-, intermediate-,

This is a real-world study looking at results of avelumab + axitinib treatment for people with aRCC in the UK

People taking part had been studied for at least 2 years when results were collected

Real-world studies collect information about people receiving normal care in clinical practice. Researchers don't influence what treatments people receive. These studies look at how well a

In this real-world study, researchers wanted to look at results of people with aRCC treated with avelumab + axitinib as part of normal care in the UK

### Who took part in this study?

normal care at 9 cancer centers in the UK

What happened during the study?

What did the researchers want to find out?

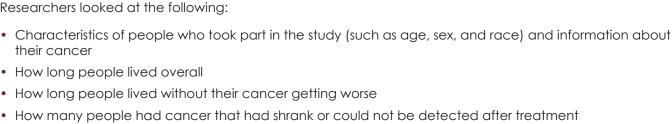
people who received avelumab + axitinib People were studied

This study included 78 people with aRCC who were treated with avelumab + axitinib as part of their



How long people lived without their cancer getting worse

in the UK



for at least 2 years



Aims of this

summary

Study design

### Side effects of treatment

What were the results of the study?

their cancer

What were the characteristics of people who took part?

76% were male and

24% were female

The average age was

67 years

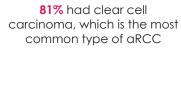
poor in 1/%

91% were able to be

fully active

### Disease risk score was favorable 74% had cancer that in 42%, intermediate in 41%, and had **spread** to other parts surgery to remove all or

part of their klaney





60% of people were still alive after 2 years

How long did people live after starting treatment?



3 months after being diagnosed with aRCC

63% were White and

5% were Asian or Asian British. Information was not reported in 32%

still alive

### with favorable-risk disease with intermediate-risk disease with poor risk-disease were

were still alive



were still alive

had cancer that became had cancer that undetectable shrank

Among people who had



What was the best response to treatment?



On average, people

received avelumab + axitinib treatment for 6 months

On average, people lived

9 months without their cancer

getting worse



**79%** had side effects

23% tissue swelling and 23% had rash irritation in the mouth



10% had serious side effects\*

In this study, responses and side effects in people with aRCC who received avelumab + axitinib treatment

### as part of normal care in the UK were similar to those seen in the earlier JAVELIN Renal 101 clinical trial

Who sponsored this study?

235 East 42nd Street Frankfurter Strasse 250 New York, NY 10017, USA Darmstadt, 64293, Germany Phone (United States): +1 212-733-2323 Phone (Germany): +49 6151 720

Study sponsors

The sponsors would like to thank all of the people who took part in this study

**Disclaimers** 

Pfizer

For more information on this study, please visit: 2023 ASCO Genitourinary Cancers Symposium Scientific Abstract For more information about kidney cancer and renal cell cancer, please visit:

https://www.cancer.net/cancer-types/kidney-cancer https://www.cancer.org/cancer/kidney-cancer.html Writing support for this summary was provided by Hiba Al-Ashtal of Clinical Thinking and was funded by Pfizer and the healthcare business of Merck KGaA, Darmstadt, Germany (CrossRef Funder ID: 10.13039/100009945)

Conclusions

# 40% had diarrhea

treatment with avelumab + axitinib in the UK

28% had fatique







Where can I find more information?