Preliminary results from AVENANCE, an ongoing, noninterventional real-world, ambispective study of avelumab first-line maintenance treatment in patients with locally advanced or metastatic urothelial carcinoma

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SCOPE



This preliminary analysis reports efficacy and safety outcomes from AVENANCE, an ongoing, real-world, ambispective (retrospective and prospective) study evaluating avelumab first-line (1L) maintenance treatment in patients with locally advanced or metastatic urothelial carcinoma (la/mUC) in France

CONCLUSIONS



- These first real-world data for avelumab 1L maintenance in patients with la/mUC from the ongoing AVENANCE study support the findings of the JAVELIN Bladder 100 trial^{1,2}
- These early results (median follow-up, 13.5 months) confirm the clinical activity and acceptable safety profile of avelumab in a heterogeneous population outside of a clinical trial setting
- The 12-month overall survival (OS) rate was 66.9%
- Median progression-free survival (PFS) from the start of avelumab treatment was 5.7 months (95% CI, 5.0-7.9 months) comparable to results from the JAVELIN Bladder 100 trial²
- The safety profile was consistent with that observed in other studies of avelumab monotherapy, and no new safety concerns were identified³
- These results further support the recommendation of avelumab 1L maintenance as standard of care for patients with la/mUC that has not progressed with 1L platinum-based chemotherapy

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BACKGROUND

- In the phase 3 JAVELIN Bladder 100 trial (NCT02603432), avelumab 1L maintenance therapy + best supportive care (BSC) significantly prolonged OS vs BSC alone in patients with la/mUC that had not progressed after 1L platinum-based chemotherapy^{1,2}
- Results from this trial led to the approval of avelumab 1L maintenance in various countries worldwide, and it is now recommended as standard of care in international treatment guidelines, based on level 1 evidence⁴⁻⁷
- Longer-term follow-up from JAVELIN Bladder 100 (≥2 years in all patients) continued to show prolonged OS and investigator-assessed PFS in patients treated with avelumab 1L maintenance + BSC vs BSC alone²
- Median OS was 23.8 vs 15.0 months, respectively (hazard ratio [HR], 0.76 [95% CI, 0.631-0.915]; 2-sided p=0.0036), and 2-year OS rates were 49.8% vs 38.4%
- Median PFS was 5.5 vs 2.1 months, respectively (HR, 0.54 [95% CI, 0.457-0.645]; 2-sided p<0.0001), and 2-year PFS rates were 23.4% vs 7.1%
- Avelumab 1L maintenance also demonstrated an acceptable long-term safety profile
- AVENANCE is an ongoing, real-world study investigating efficacy and safety in patients with la/mUC treated with avelumab 1L maintenance in France

METHODS

- AVENANCE (NCT04822350) is a multicenter, ambispective, noninterventional study of patients with la/mUC treated with avelumab 1L maintenance in France
- In this ongoing study, eligible patients have previous, ongoing, or planned avelumab 1L maintenance treatment for la/mUC that did not progress after 1L platinum-based chemotherapy (ie, ongoing complete response, partial response, or stable disease)
- Data collection started on 13 July 2021

- The primary endpoint is OS from start of avelumab
- Secondary endpoints include OS from start of 1L chemotherapy, PFS, duration of treatment, and safety
- In this preliminary analysis, patients who started avelumab ≥6 months prior to data cutoff (31 January 2022) were
- Efficacy and safety were analyzed in patients who had received ≥1 dose of avelumab

RESULTS

- This analysis included 267 patients (of 500 planned); baseline characteristics are detailed in **Table 1**
- At data cutoff (31 January 2022), median follow-up since avelumab initiation (by reverse Kaplan-Meier estimation) was 13.5 months (95% CI, 12.8-14.7 months)
- Treatment was ongoing in 92 patients (34.5%)

1L. first line: MVAC, methotrexate, vinblastine, doxorubicin, and cisplatin

- Among the 174/175 patients for whom the reason for discontinuing avelumab was reported, the most common reason was disease progression (n=138 [79.3%])

	N=267
Age, median (interquartile range), years	73.1 (66.7-77.9)
Sex, n (%)	
Male	217 (81.3)
Female	50 (18.7)
Location of primary tumor, n (%)	
Bladder	197 (74.1)
Upper urinary tract	52 (19.5)
Urethra	17 (6.4)
Missing data	1
Tumor histology, n (%)	
Pure urothelial carcinoma	243 (93.1)
Urothelial carcinoma with variant (eg, squamous cell,	, , ,
adenocarcinoma, neuroendocrine)	12 (4.6)
Squamous cell carcinoma	5 (1.9)
Other	1 (0.4)
Missing data	6
Tumor status at start of 1L chemotherapy, n (%)	
Locally advanced	26 (9.8)
Metastatic	238 (90.2)
Missing data	3
ECOG PS at start of 1L chemotherapy, n (%)	
0	74 (35.9)
1	103 (50.0)
2	26 (12.6)
3	3 (1.5)
Missing data	61
Type of 1L chemotherapy, n (%)	
Carboplatin + gemcitabine	152 (57.6)
Cisplatin + gemcitabine	84 (31.8)
Other (including MVAC)	28 (10.6)
Missing data	3
No. of 1L chemotherapy cycles, median (range)	5 (1-10)
Response to last chemotherapy, n (%)	
Complete response	57 (21.8)
Partial response	146 (55.9)
Stable disease	53 (20.3)
Disease progression	1 (0.4)
Non-evaluable	, ,
	4 (1.5) 6
Missing data Prospect of viscoral motastasis at start of 11 chamotherapy, p. (%)	n=238
Presence of visceral metastasis at start of 1L chemotherapy, n (%)	
No	41 (17.3)
Yes Missing data	196 (82.7)
Missing data	m=10/
Metastasis sites at start of 1L chemotherapy, n (%)	n=196
Lymph nodes	114 (58.2)
Liver	35 (17.9)
Lung	57 (29.1)
Bone	71 (36.2)
Brain	1 (0.5)
Other	38 (19.4)

- The 12-month OS rate from start of avelumab was 66.9% (95% CI, 60.5%-72.5%) (Figure 1) and from start of 1L chemotherapy was 79.1% (95% CI, 73.5%-83.6%; n=262 evaluable)
- Median PFS from start of avelumab was 5.7 months (95% CI, 5.0-7.9 months), and the 12-month PFS rate was 36.9% (95% CI, 30.8%-43.1%) (**Figure 2**)
- Median duration of avelumab treatment was 5.8 months (95% CI, 4.9-7.4 months)

Figure 1. OS from start of avelumab treatment

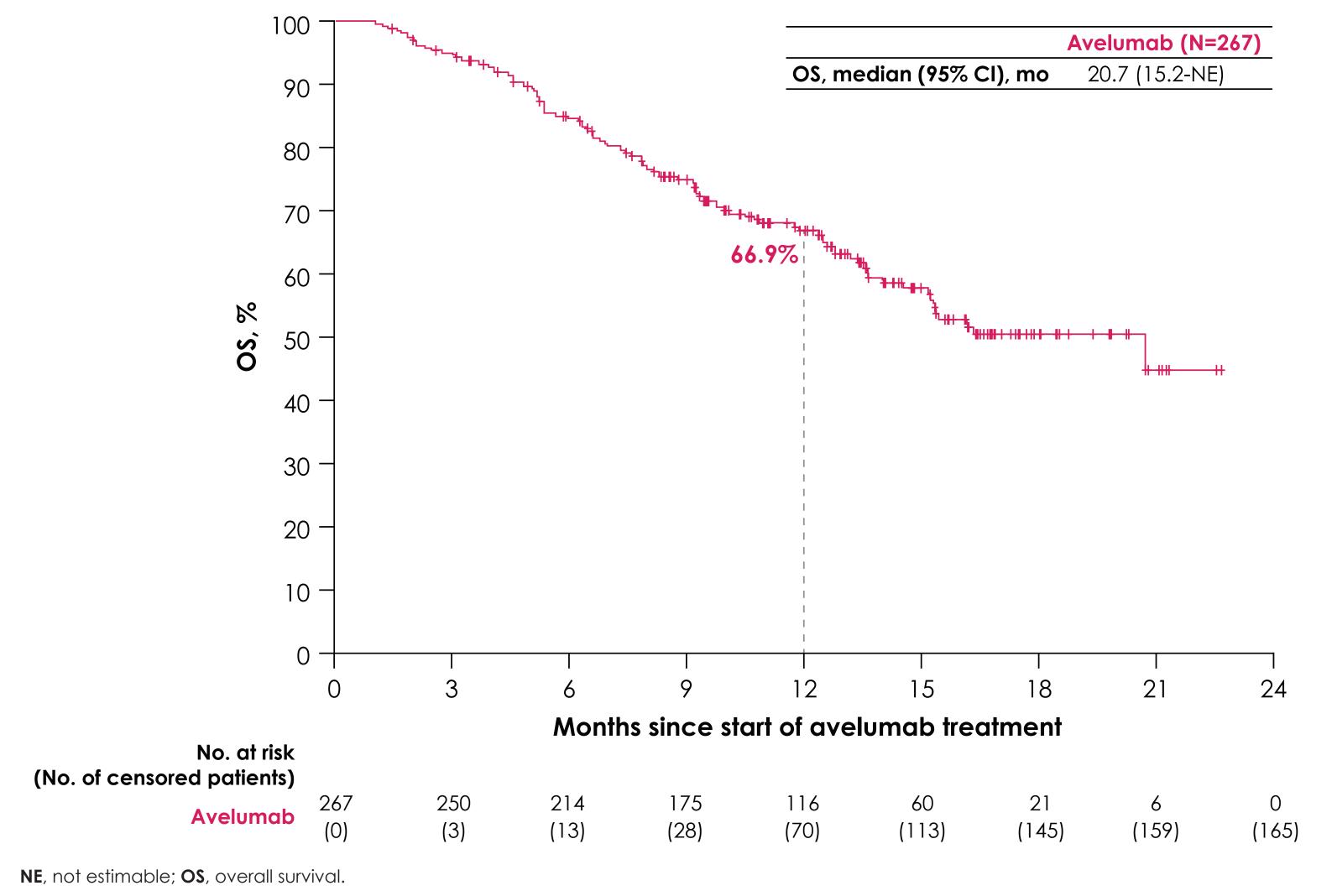
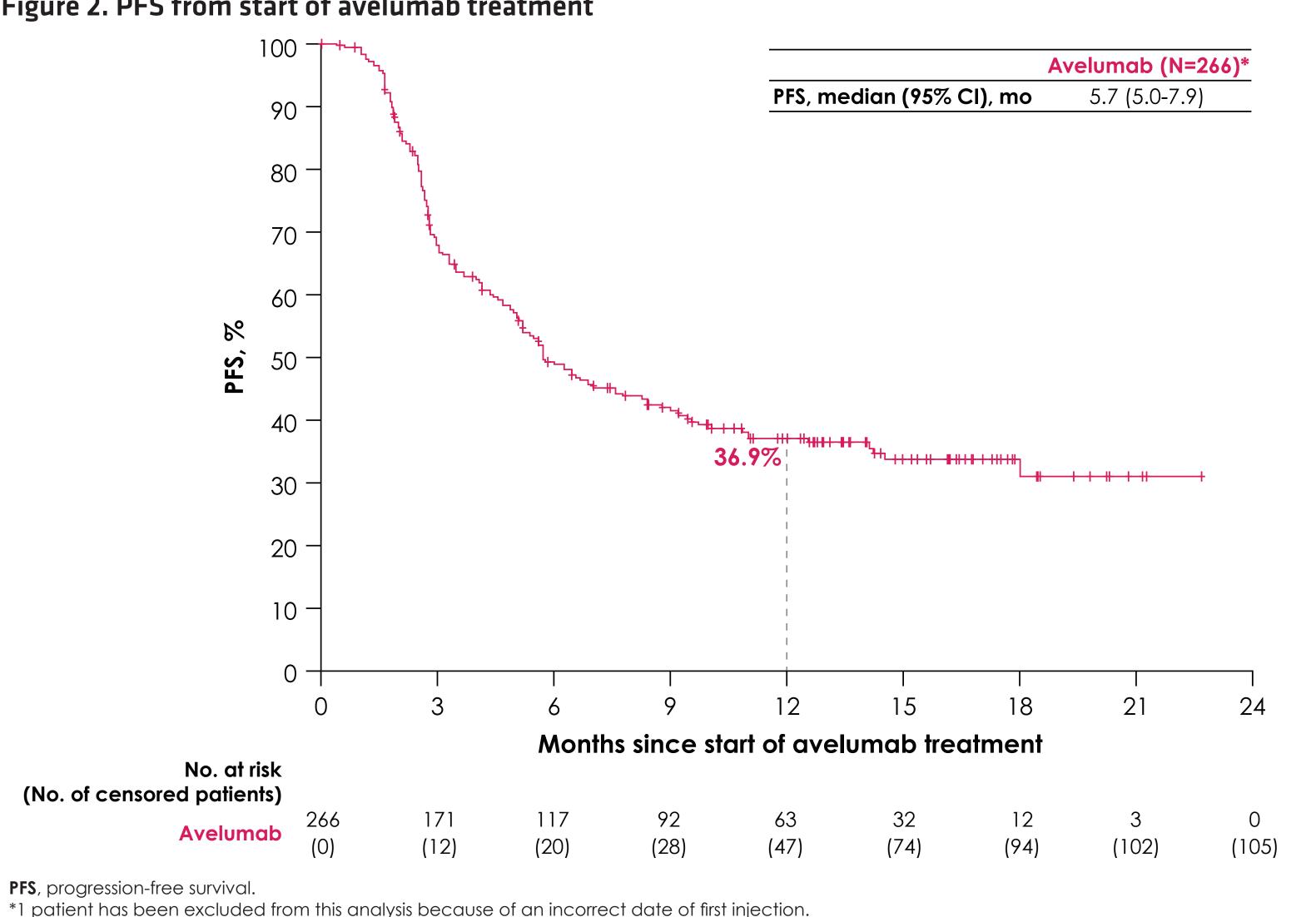


Figure 2. PFS from start of avelumab treatment



- 112 patients (41.9%) reported receiving subsequent anticancer treatment (including second-line and
- Safety data are summarized in Table 3
- Treatment-emergent adverse events (TEAEs) occurred in 170 patients (63.7%), with serious TEAEs in 75 patients (28.1%)
- The most common TEAEs (in >5% of patients) were asthenia (n=35 [13.1%]) and pruritus (n=29 [10.9%])

Table 2. Subsequent treatment (second-line and later)

Subsequent treatment, n (%)	n=112
Non–platinum-based chemotherapy	71 (63.4)
Paclitaxel monotherapy	59 (52.7)
Paclitaxel + gemcitabine	4 (3.6)
Gemcitabine monotherapy	5 (4.5)
Docetaxel monotherapy	1 (0.9)
Vinflunine monotherapy	2 (1.8)
Platinum-based chemotherapy	24 (21.4)
Carboplatin + gemcitabine	12 (10.7)
Carboplatin monotherapy	4 (3.6)
Carboplatin + paclitaxel	4 (3.6)
Carboplatin + etoposide	1 (0.9)
Cisplatin + paclitaxel	1 (0.9)
Cisplatin + gemcitabine	1 (0.9)
MVAC	1 (0.9)
Enfortumab vedotin*	12 (10.7)
Sacituzumab govitecan*	3 (2.7)
Pembrolizumab	2 (1.8)

*Not approved for use in the EU at the time of study.

Table 3. Summary of AEs

Events, n (%)	N=267
TEAE	170 (63.7)
Serious TEAE	75 (28.1)
TEAE leading to temporary/permanent discontinuation	72 (27.0)
TEAE leading to death	31 (11.6)
TRAE	102 (38.2)
Serious TRAE	14 (5.2)
TRAE leading to temporary/permanent discontinuation	26 (9.7)
TRAE leading to death	1 (0.4)

AE, adverse event; TEAE, treatment-emergent adverse event; TRAE, treatment-related adverse event.

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