Lifileucel TIL Cell Monotherapy in Patients With Advanced Melanoma After Progression on Immune Checkpoint Inhibitors and Targeted Therapy: Pooled Analysis of Consecutive Cohorts (C-144-01 Study)

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ICI monotherapy

Cytokine analogs

■ Targeted therapy

Chemotherapy

Chemotherapy

+ cytokine analogs

Lifileucel regimen

■ ICI combination therapy

■ ICI + targeted therapy



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Background

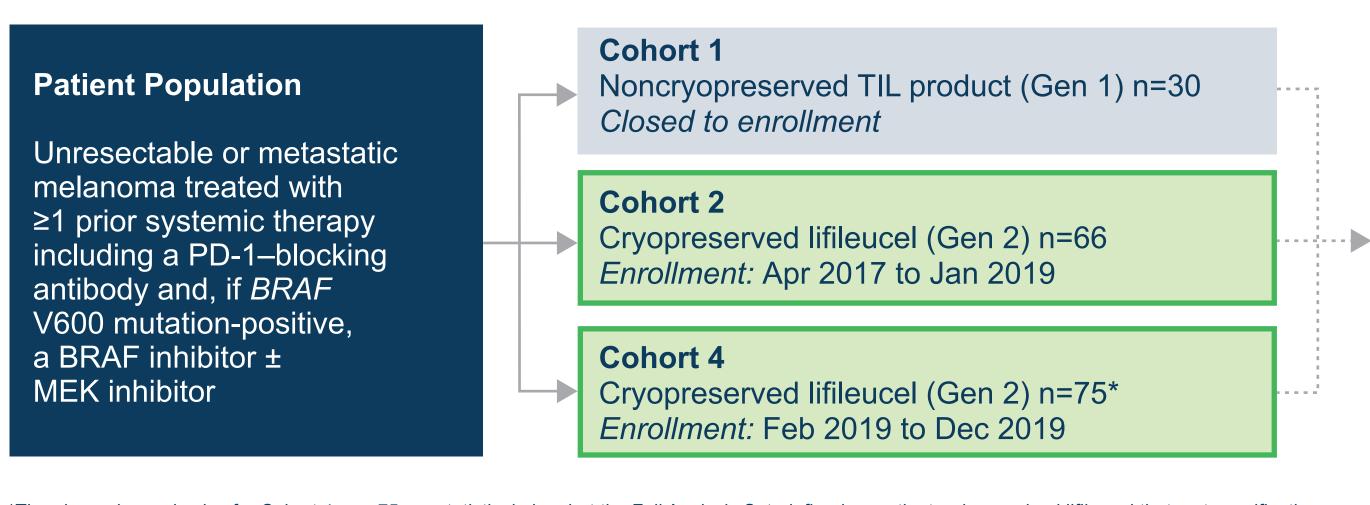
- Treatment options for advanced (unresectable or metastatic) melanoma are limited after non-response or progression on or after ICI and targeted therapy¹⁻⁵
- Autologous TIL cell therapy recognizes and targets a multitude of patient-specific neoantigens to mediate tumor • Prior data from single-center experiences in ICI-naïve melanoma patients over 3 decades^{6,7} provide evidence for the
- potential efficacy of TIL cell therapy
- More recently, a phase 3 study conducted at 2 centers in Europe has shown superior ORR with noncryopreserved TIL cell therapy (49%) versus ipilimumab (21%) in patients with a median of 1 prior line of therapy (86% with prior anti-PD-1 therapy)8
- Lifileucel, an investigational adoptive cell therapy using cryopreserved autologous TIL, has demonstrated encouraging potential efficacy in Cohort 2 of the C-144-01 study (NCT02360579), a multicenter phase 2 study in advanced melanoma
- Investigator-assessed ORR of 36.4%; median follow-up 33.1 months⁹

Objective

• To report outcomes of lifileucel across Cohorts 2 and 4, representing the largest cell therapy study in advanced melanoma in the post-ICI setting

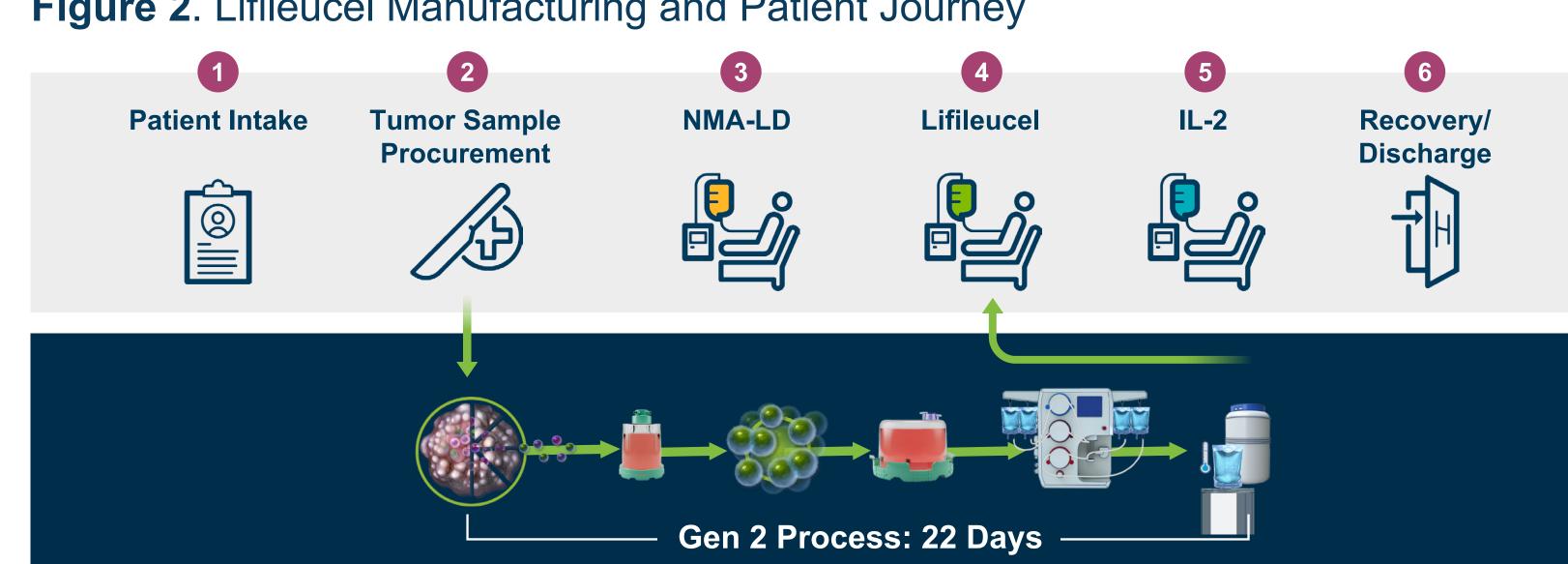
Methods

Figure 1. C-144-01 (NCT02360579) Study Design



*The planned sample size for Cohort 4 was 75 per statistical plan, but the Full Analysis Set, defined as patients who received lifileucel that met specification, consisted of 87 patients due to

Figure 2. Lifileucel Manufacturing and Patient Journey



- ≥1 tumor lesion resectable for TIL generation
 (≥1.5 cm in diameter) and ≥1 target tumor lesion for RECIST 1.1 response assessment
- Age ≥18 years at time of consent
- ECOG performance status of 0–1

No limit on number of prior therapies

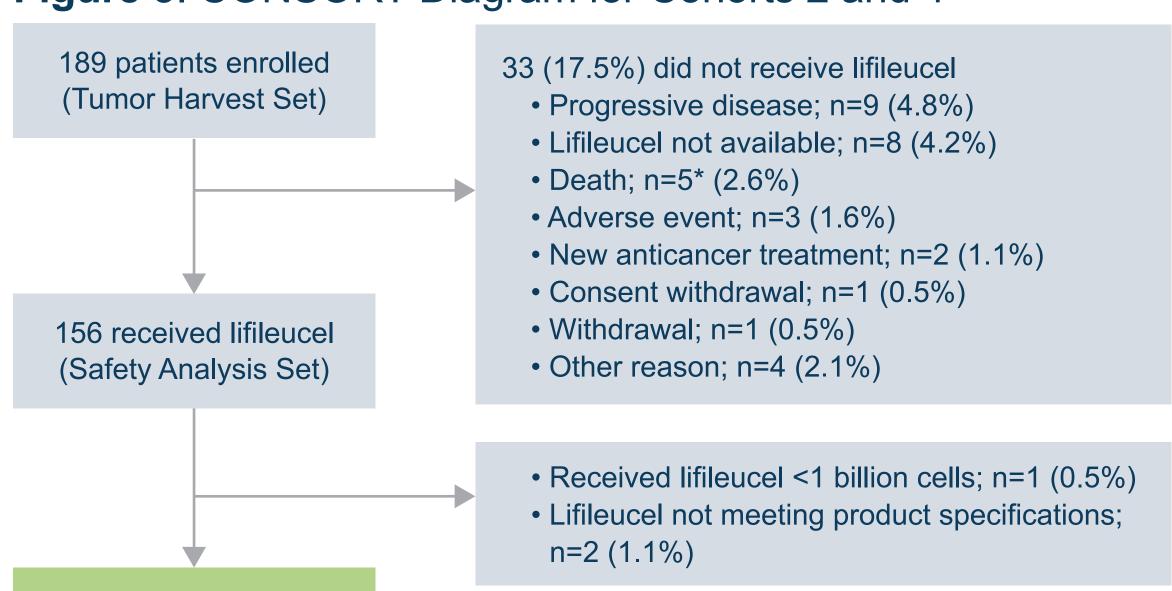
- manufactured using the same Gen 2 process
- All patients received NMA-LD, a single lifileucel infusion, and up to 6 doses of high-dose IL-2

identical for Cohorts 2 and 4

'47 patients (31%) had melanoma of other subtype (including unknown primary subtype or insufficient information). 45 patients in Cohorts 2+4 had missing PD-L1 status. ¹1 patient in Cohort 2 had missing data on number of baseline target and nontarget lesions

Results

Figure 3. CONSORT Diagram for Cohorts 2 and 4



*Reasons for death include PD (n=4) and AE (acute kidney injury [n=1])

153 received lifileucel

nd analyzed for efficacy

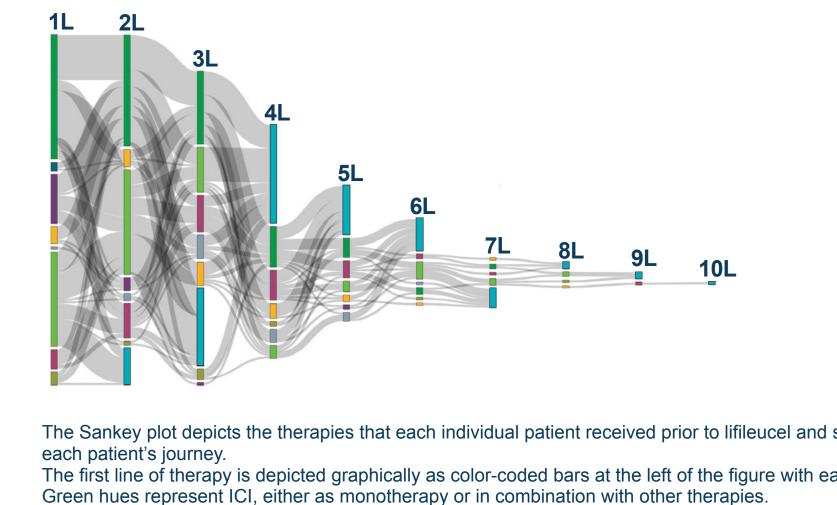
(Full Analysis Set)

- Median number of TIL cells infused was 21.1 × 10⁹ (range 1.2 × 10⁹ to 99.5 × 10⁹)
- Lifileucel was manufactured within specification in 94.7% of patients Median time from resection to lifileucel infusion was 33 days

Table 1 Baseline Patient and Disease Characteristics

able 1. Baseline Patient and Disease Characteristics				
Characteristic	Cohort 2 (n=66)	Cohort 4 (n=87)	Cohort 2+4 (N=153)	
Median age (range), years	55.0 (20, 79)	58.0 (25, 74)	56.0 (20, 79)	
Sex, n (%)				
Male	39 (59.1)	44 (50.6)	83 (54.2)	
Female	27 (40.9)	43 (49.4)	70 (45.8)	
Screening ECOG performance status, n (%)				
0	42 (63.6)	62 (71.3)	104 (68.0)	
1	24 (36.4)	25 (28.7)	49 (32.0)	
Melanoma subtype,* n (%)				
Cutaneous	39 (59.1)	44 (50.6)	83 (54.2)	
Mucosal	4 (6.1)	8 (9.2)	12 (7.8)	
Acral	4 (6.1)	6 (6.9)	10 (6.5)	
BRAF V600-mutated, n (%)	17 (25.8)	24 (27.6)	41 (26.8)	
PD-L1 status,† n (%)				
TPS ≥1%	37 (56.1)	39 (44.8)	76 (49.7)	
TPS <1%	12 (18.2)	20 (23.0)	32 (20.9)	
Liver and/or brain lesions by IRC, n (%)	28 (42.4)	44 (50.6)	72 (47.1)	
Median target lesion SOD range), mm	95.8 (13.5, 271.3)	99.5 (15.7, 552.9)	97.8 (13.5, 552.9)	
Baseline lesions in ≥3 anatomic sites, n (%)	44 (66.7)	65 (74.7)	109 (71.2)	
Baseline target and nontarget esions, [‡] n (%)				
>3	43 (65.2)	73 (83.9)	116 (75.8)	
DH, n (%)				
≤ULN	39 (59.1)	31 (35.6)	70 (45.8)	
>1–2 × ULN	19 (28.8)	35 (40.2)	54 (35.3)	
>2 × ULN	8 (12.1)	21 (24.1)	29 (19.0)	
Median number of prior therapies range)	3.0 (1, 9)	3.0 (1, 8)	3.0 (1, 9)	
Primary resistance to anti– PD-1/PD-L1 per SITC criteria, 10 n (%)	52 (78.8)	57 (65.5)	109 (71.2)	

Figure 4. Patient Treatment Patterns

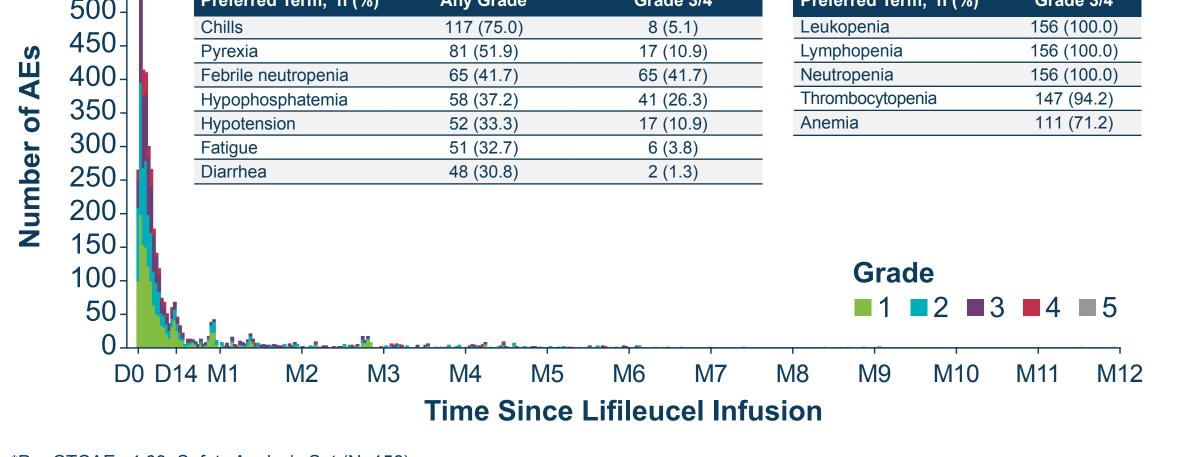


- The first line of therapy is depicted graphically as color-coded bars at the left of the figure with each subsequent line shown on the right. Green hues represent ICI, either as monotherapy or in combination with other therapies. The R package networkD3 was used to generate the Sankey plot.
- 17 (11.1%) received only 1 line of prior therapy

Patients were heavily pretreated (Figure 4)

- 125 (81.7%) received anti–CTLA-4 - 82 (53.6%) received anti-PD-1 + anti-CTLA-4 combination
- Median of 2 lines (range, 1-7) of ICI-containing therapy
- 113 (74%) patients were re-treated with ICI-containing therapy prior to receiving lifileucel

Figure 5. Safety



*Per CTCAE v4.03; Safety Analysis Set (N=156) [†]Grade 5 TEAEs included pneumonia (n=1), acute respiratory failure (n=1), arrhythmia (n=1), and intra-abdominal hemorrhage (n=1) Il occurrences of AEs were counted if a patient experienced a new onset of the same AE at different timepoints. If multiple records were reported on the electronic case report form because of toxicity grade decrease of the same AE that had not resolved, then the event was 5 events were reported after Month 12 (Grade 1, n=7; Grade 2, n=6; Grade 3, n=1; Grade 5, n=1).

- Median number of IL-2 doses administered was 6 All patients experienced ≥1 TEAE (any grade); 94.9% experienced ≥1 Grade 3/4 TEAE
- TEAEs were consistent with known safety profiles of NMA-LD and IL-2 and in line with previous reports

Incidence of TEAEs decreased rapidly within the first 2 weeks (Figure 5)

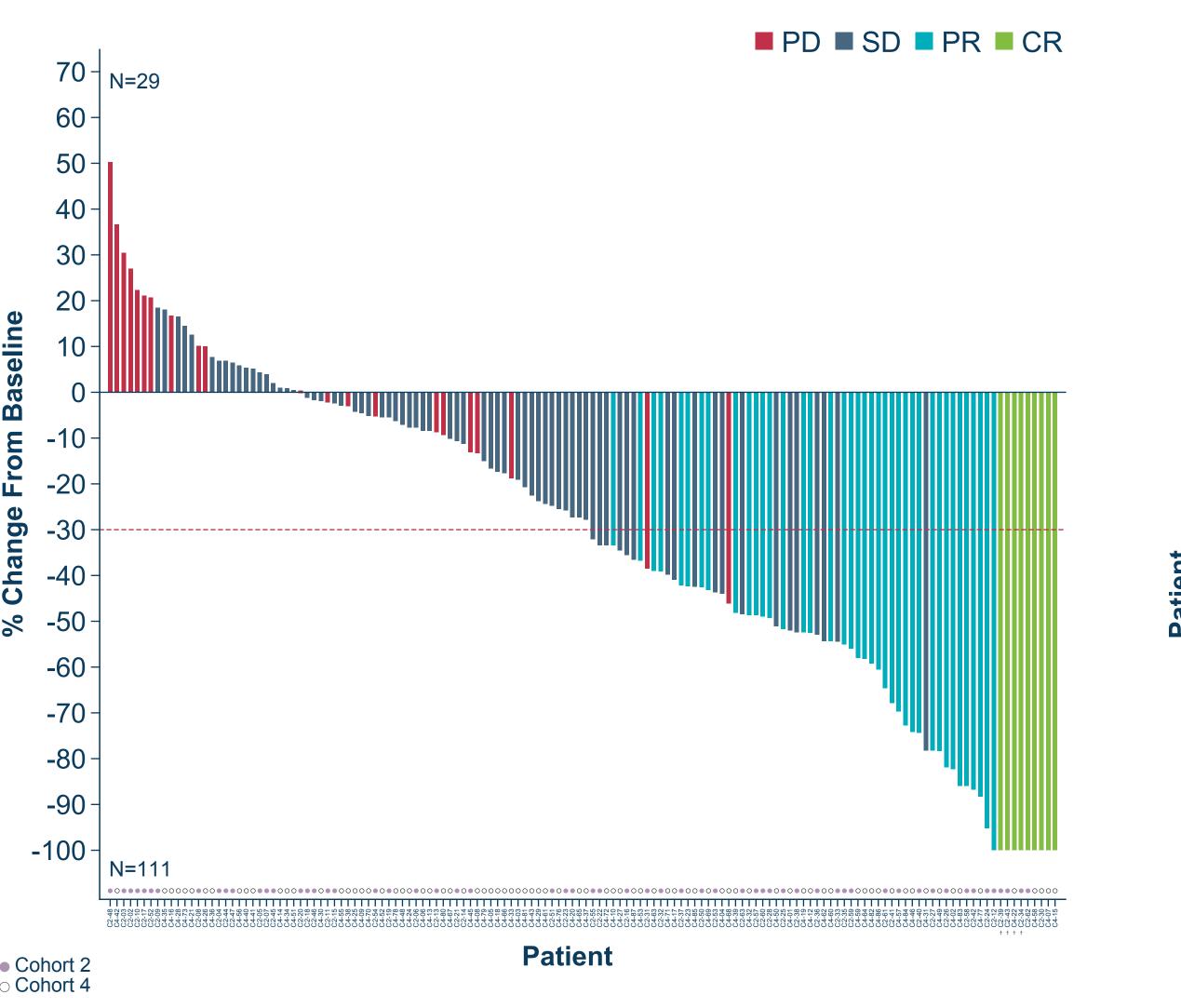
Table 2. Efficacy Outcomes by IRC per RECIST v1.1

	Cohort 2 (n=66)	Cohort 4 (n=87)	Cohorts 2+4 (N=153)
DRR, n (%)	23 (34.8)	25 (28.7)	48 (31.4)
(95% CI)	(23.5, 47.6)	(19.5, 39.4)	(24.1, 39.4)
Best overall response, n (%)			
CR	5 (7.6)	4 (4.6)	9 (5.9)
PR	18 (27.3)	21 (24.1)	39 (25.5)
SD	24 (36.4)	47 (54.0)	71 (46.4)
Non-CR/Non-PD*	1 (1.5)	0	1 (0.7)
PD	15 (22.7)	12 (13.8)	27 (17.6)
Nonevaluable [†]	3 (4.5)	3 (3.4)	6 (3.9)
ledian DOR,‡ months	NR	10.4	NR
95% CI	(NR, NR)	(4.1, NR)	(8.3, NR)
Min, max (months)	1.4+, 54.1+	1.4+, 34.3+	1.4+, 54.1+

6 patients were nonevaluable for response (5 due to early death; 1 due to new anticancer therapy) [‡]Median DOR was based on Kaplan-Meier estimate.

- The IRC-assessed ORR was 31.4% (Table 2)
- The concordance rate between IRC- and investigator-assessed ORR was 91%

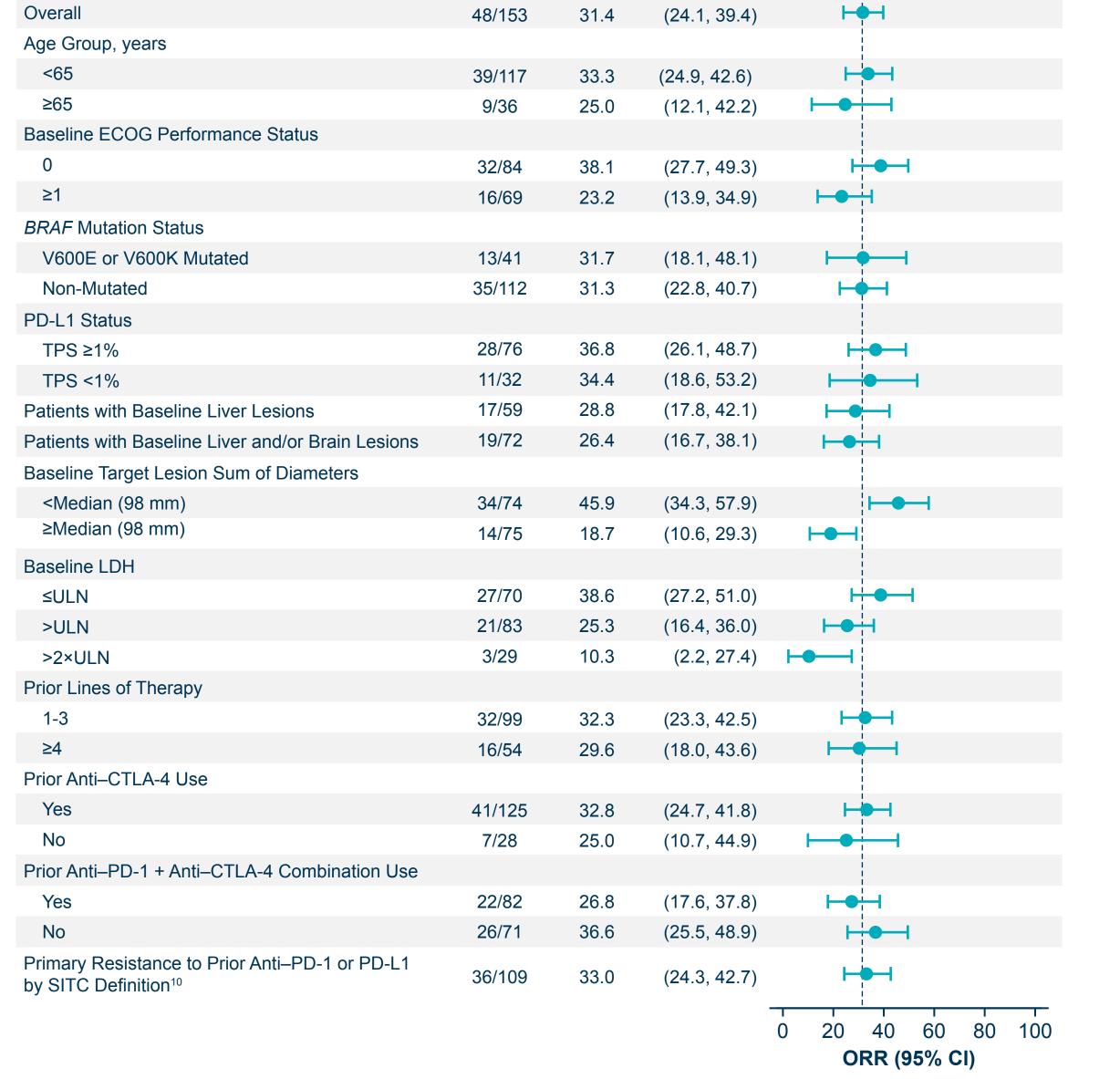
Figure 6. Tumor Burden Reduction* and Best Response to



3 patients in the Full Analysis Set are not included (best overall responses included NE [n=6], non-CR/non-PD [n=1], and PD [n=6]) for reasons including having no measurable reasons at baseline or no post-lifileucel target lesion SOD measurements.
*Best percentage change from baseline in target lesion SOD. †-100% change from baseline is presented for CR assessment that includes lymph node lesions

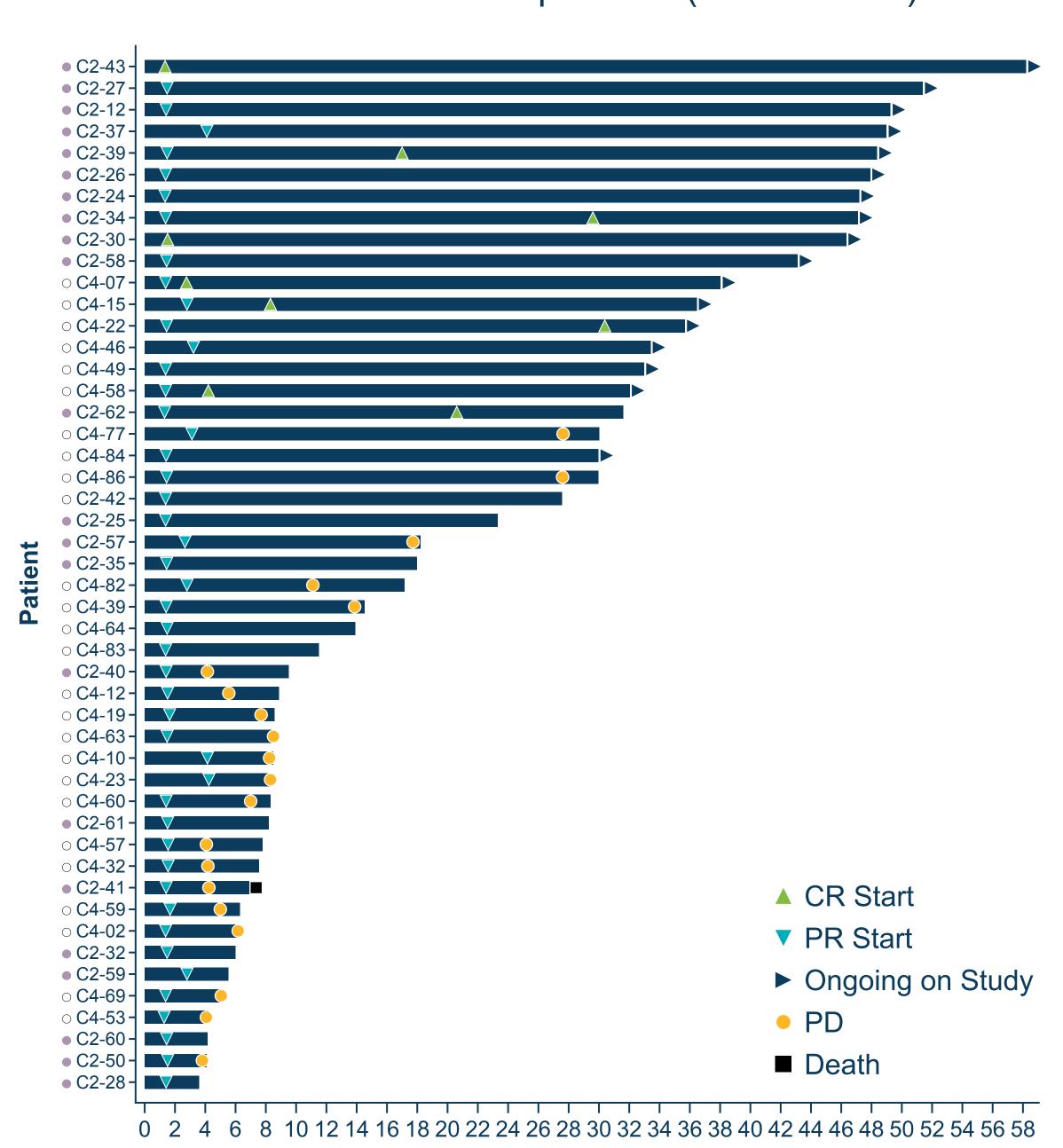
• 79.3% (111/140) of patients had a reduction in tumor burden (Figure 6)

Figure 7. Univariable Analysis of ORR



- 95% CI is calculated using the Clopper-Pearson Exact test.
- versus patients with either or both risk factors (OR: 2.08 and 4.42

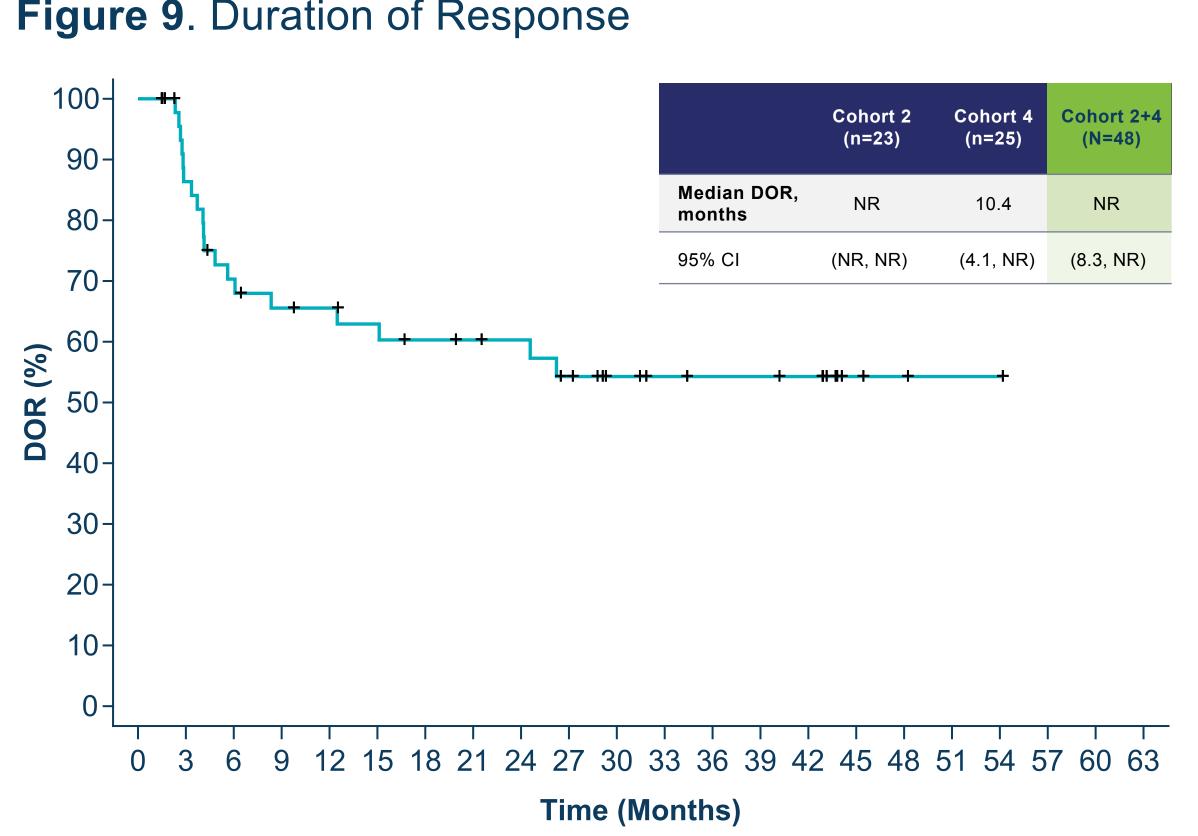
Figure 8. Time to Response, DOR, and Time on Efficacy Assessment for Confirmed Responders (PR or Better)



Time (Months) Since Lifileucel Infusion

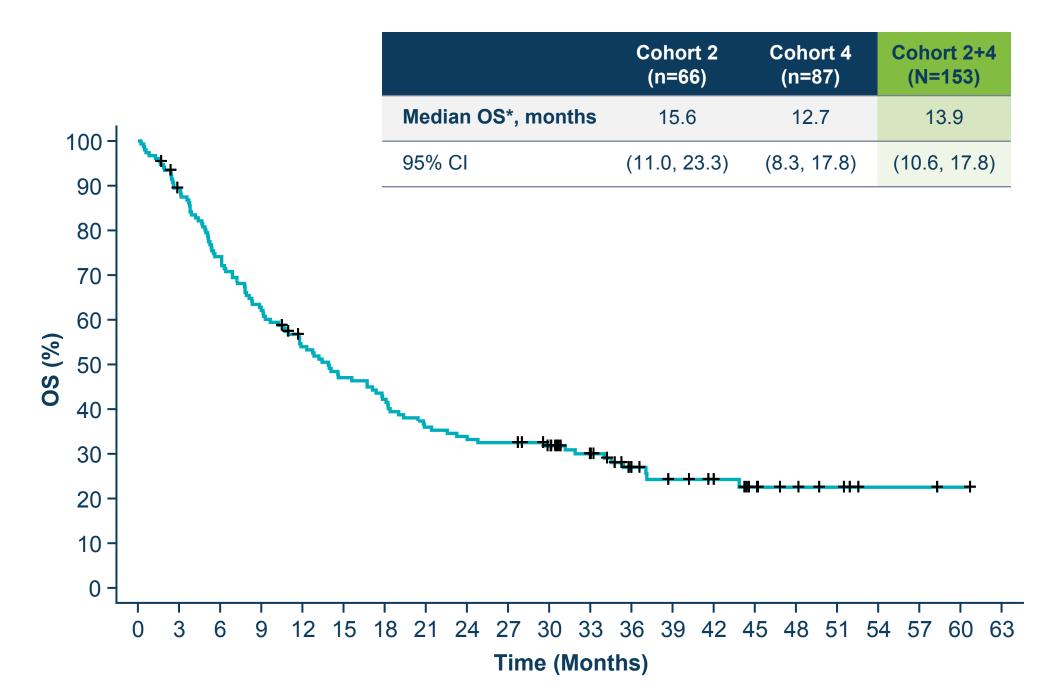
- Median time from lifileucel infusion to best response was 1.5 months
- Responses deepened over time (Figure 8) 7 patients (14.6%) initially assessed as PR were later confirmed CR 4 patients (8.3%) converted to CR >1 year post-lifileucel; 2 (4.2%) of these
- 4 patients converted after 2 years Best response of 10 patients (20.8%) improved from SD to PR
- 35.4% of responses were ongoing at data cutoff

Figure 9. Duration of Response



- At a median study follow up of 36.5 months, median DOR was not reached (Table 2; Figure 9)
- 41.7% of responses were maintained ≥24 months

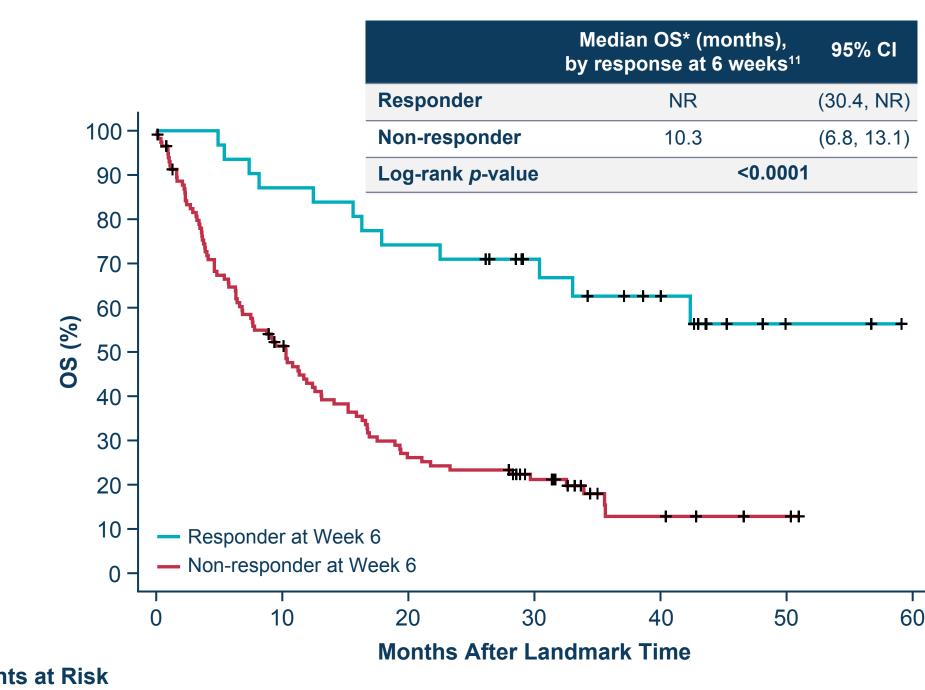
Figure 10. Overall Survival



Patients at Risk 153 134 111 94 78 68 61 52 49 47 42 32 21 17 14 10 7 5 2 2 1 0 Based on Kaplan-Meier estimate.

 The median OS was 13.9 months (95% CI: 10.6, 17.8) and the 12-month OS rate was 54.0% (95% CI: 45.6%, 61.6%) (**Figure 10**)

Figure 11. Overall Survival by Response at 6 Weeks After Lifileucel Infusion



Patients at Risk *Based on Kaplan-Meier estimate.

 In a landmark analysis, in patients who achieved response at first assessment (6 weeks [~1.5 months] post-lifileucel infusion), median OS was not reached (Figure 11)

Conclusions

- Lifileucel TIL cell therapy addresses an important unmet need for patients with difficult-to-treat melanoma who lack effective treatment options in the post-ICI setting
- In a large population of heavily pretreated patients with advanced melanoma who progressed on or after ICI and targeted therapy (where appropriate), lifileucel treatment demonstrated:
- An expected and manageable safety profile
- Clinically meaningful and durable efficacy
- IRC-assessed ORR was 31.4%
- Median DOR was not reached at a median follow-up of 36.5 months; 41.7% of responders had DOR ≥24 months
- Responses were observed across subgroups, including in ICI primary-resistant disease
- One-time lifileucel TIL cell therapy may be a viable option for patients with advanced melanoma after initial progression on ICI

References

- Cybulska-Stopa B et al. I. Efficacy of ipilimumab after anti-PD-1 therapy in seguential treatment of metastatic melanoma patients Real Olson DJ et al. Pembrolizumab plus ipilimumab following anti-PD-1/L1 failure in melanoma. J Clin Oncol. 2021;39(24):2647-55
- VanderWalde A et al. Ipilimumab plus nivolumab versus ipilimumab alone in patients with metastatic or unresectable melanoma that of
- analysis. Eur J Cancer. 2022;162:22-33.

AE, adverse event; BOR, best overall response; CR, complete response; CTLA-4, cytotoxic T-lymphocyte–associated antigen 4; DOR, duration of response; D, day; ECOG PS, Easterr opperative Oncology Group performance status; ICI, immune checkpoint inhibitors; IL-2, interleukin 2; IRC, independent review committee; L, line of therapy; LDH, lactate dehydrogenas M, month; NMA-LD, nonmyeloablative lymphodepletion; NR, not reached; ORR, objective response rate; OS, overall survival; PD, progressive disease; PD-1, programmed cell death otein 1; PD-L1, programmed death-ligand 1; PFS, progression-free survival; PR, partial response; RECIST, response evaluation criteria in solid tumors; SD, stable disease; SOD, sum of liameters; TEAE, treatment-emergent adverse event; TIL, tumor-infiltrating lymphocytes; TPS, tumor proportion score; ULN, upper limit of normal.

Disclosures

- Seitter SJ et al. Impact of prior treatment on the efficacy of adoptive transfer of tumor-infiltrating lymphocytes in patients with metastatic Haanen JBAG et al. LBA3 - Treatment with tumor-infiltrating lymphocytes (TIL) versus ipilimumab for advanced melanoma: Results rom a multicenter, randomized phase III trial Ann Oncol. 2022;33(suppl_7):S808-S869
 - Immunotherapy Resistance Taskforce. *J Immunother Cancer*. 2020;8:e000398. 11. Buyse M, Piedbois P. On the relationship between response to treatment and survival time. *Stat Med.* 1996;15(24):2797-812.

6. Rosenberg SA et al. Durable complete responses in heavily pretreated patients with metastatic melanoma using T-cell transfer

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