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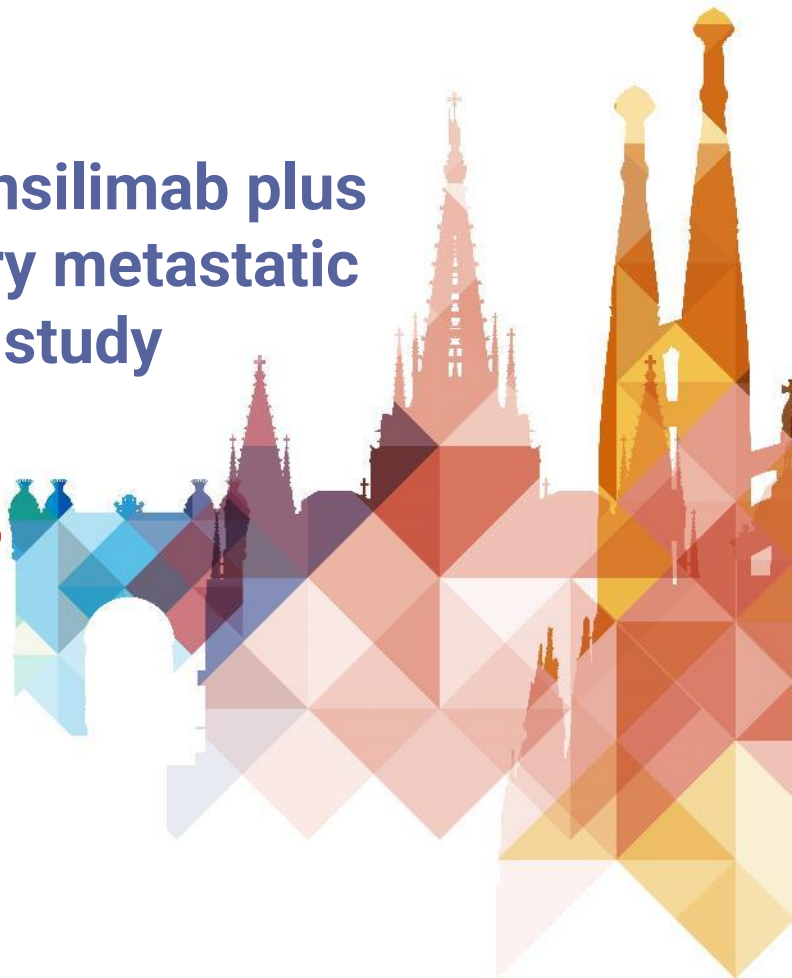
congress

Updated efficacy and safety of botensilimab plus balstilimab in patients with refractory metastatic sarcoma from an expanded phase 1 study

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13 September 2024



Declaration of Interests

Breelyn A. Wilky

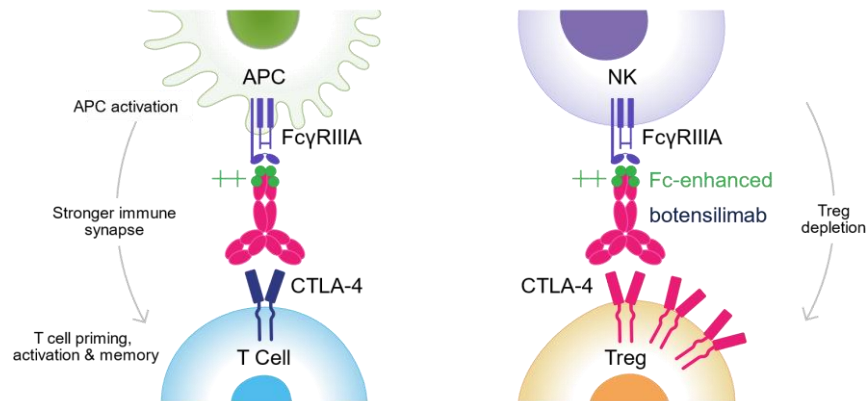
- Consulting or advisory role for Aadi Bioscience, Adcendo, Boehringer Ingelheim, Deciphera, Epizyme, Polaris and SpringWorks
- Research funding from Exelixis
- Travel, accommodations or expenses support from Agenus Inc.

Botensilimab Mechanism of Action

- SOC chemotherapy in 3L setting is limited with response rates between 6–12% and currently available ICIs are ineffective for the majority of sarcoma patients¹⁻⁴
- Botensilimab is a multifunctional Fc-enhanced CTLA-4 inhibitor with potential to expand current reach of immunotherapy⁵
- Botensilimab has proven activity in multiple cold / I-O refractory solid tumors via enhanced innate and adaptive antitumor functionalities⁵⁻⁷
- Balstilimab is a highly active and clinically validated PD-1 inhibitor^{8,9}

Botensilimab

Multifunctional Fc-enhanced Anti-CTLA-4 Antibody



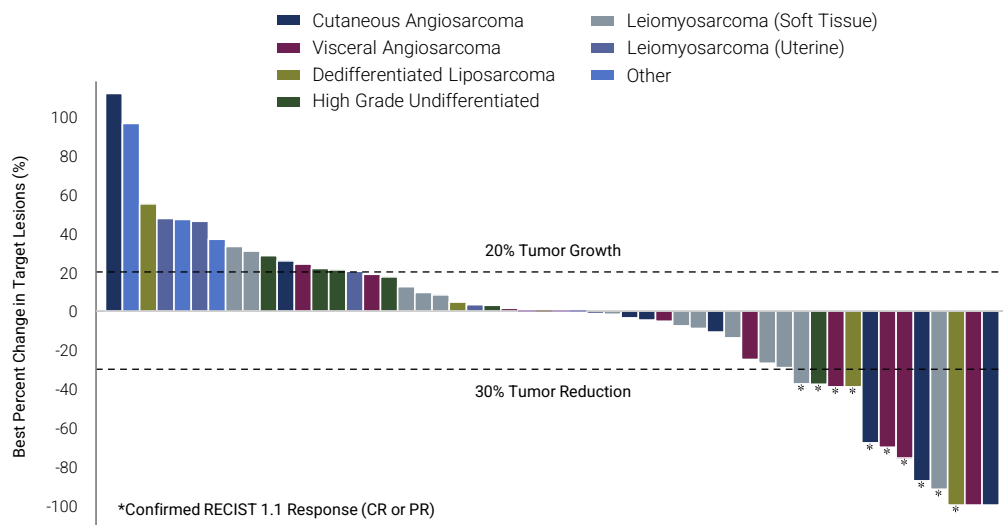
- **Enhanced** T cell priming, expansion, memory
- **Enhanced** frequency of activated APCs
- **Enhanced** Treg depletion
- **Reduced** complement binding thereby potentially reducing complement-mediated toxicities

Baseline Characteristics

N=64	
Age, median (range)	61 (30–81)
Sex, n (%)	
Male	22 (34%)
Female	42 (66%)
ECOG PS at baseline, n (%)	
0	26 (41%)
1	38 (59%)
Prior lines of therapy, n(%)	
Median (range)	3 (0–10)
≥3	34 (53%)
Prior PD-(L)1 or CTLA-4 therapy, n/N (%)	10/60 (17%)
Botensilimab dose, n (%)	
1 mg/kg	47 (73%)
2 mg/kg	15 (23%)
Crossover ^b	2 (3%)

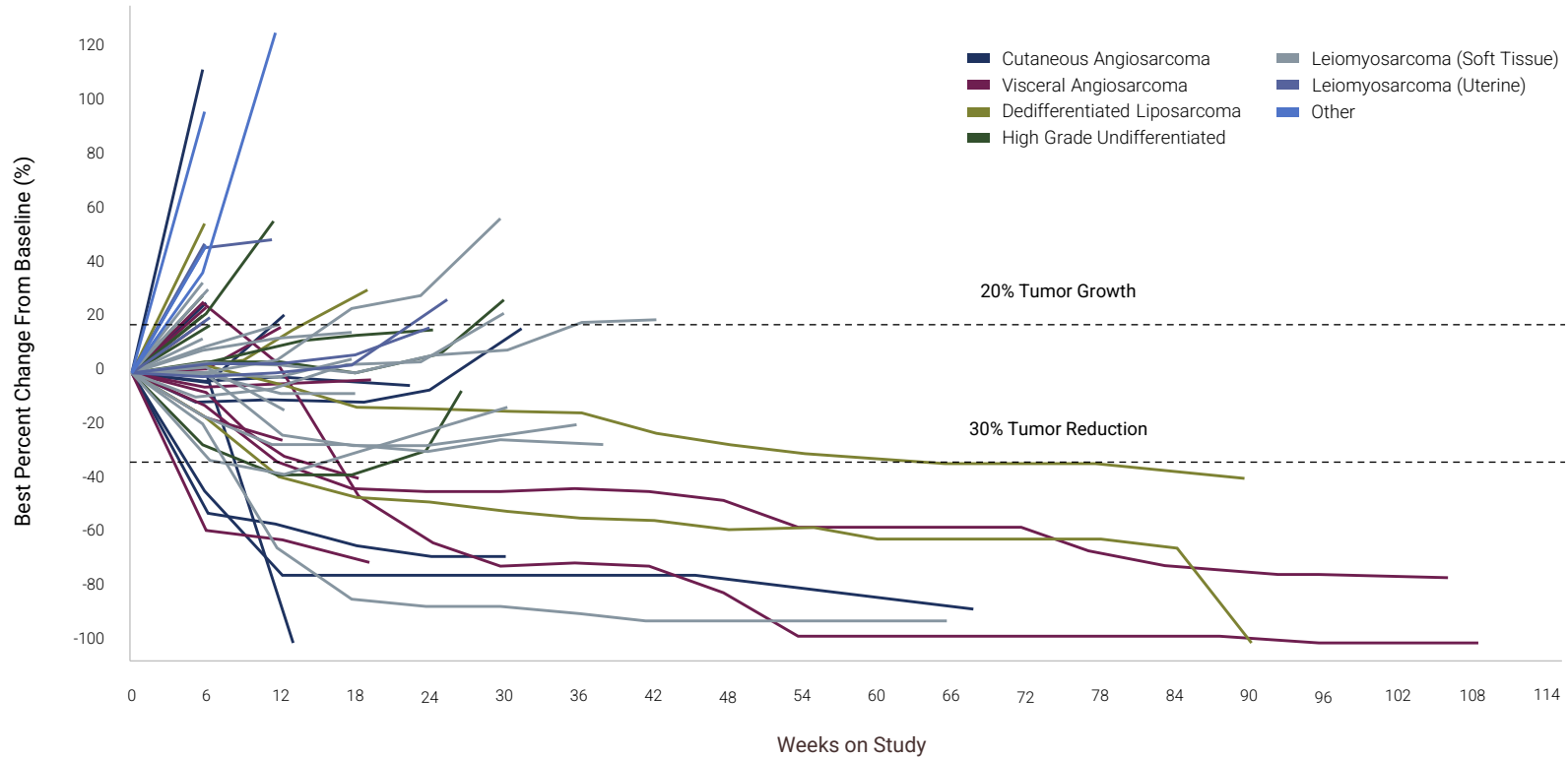
N=64	
Sarcoma subtype, n (%)	
Angiosarcoma	25 (39%)
Cutaneous	14 (22%)
Visceral	11 (17%)
Leiomyosarcoma	22 (34%)
Soft tissue	16 (25%)
Uterine	6 (9%)
High grade undifferentiated	8 (13%)
Dedifferentiated liposarcoma	6 (9%)
Other^a	3 (5%)

Broad Activity in Heterogenous Sarcoma Population

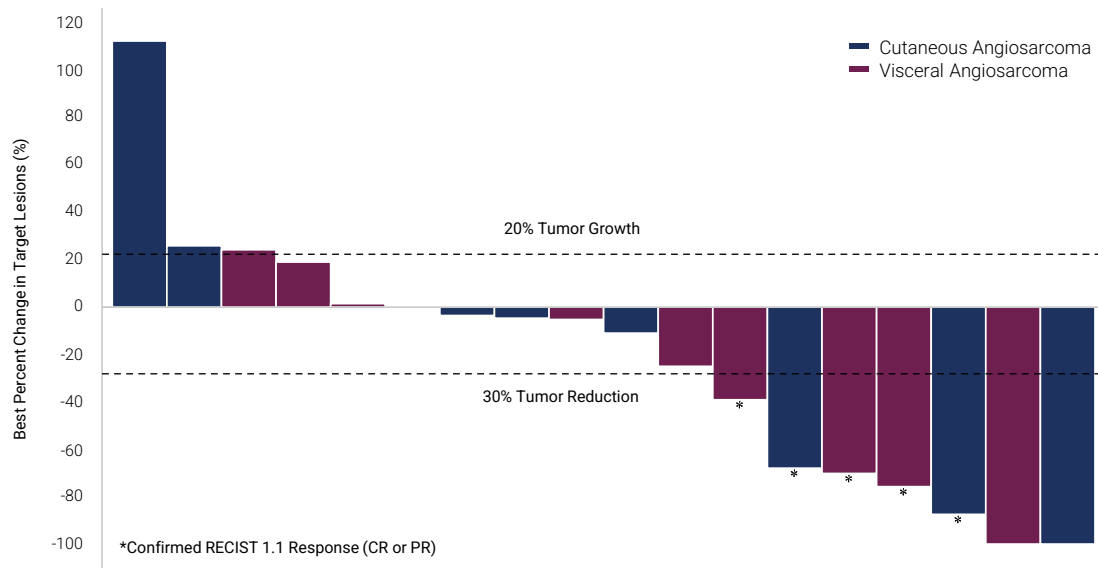


Efficacy Evaluable n=52	
ORR^a, % (95% CI)	23% (13–37)
BOR, n (%)	
CR	1 (2%)
PR	11 (21%)
SD	23 (44%)
PD	17 (33%)
Median DOR, months (95% CI)	21.7 (3.4–NR)
CBR (CR + PR + SD at 24 weeks), % (95% CI)	35% (22–49)

Broad Activity in Heterogenous Sarcoma Population



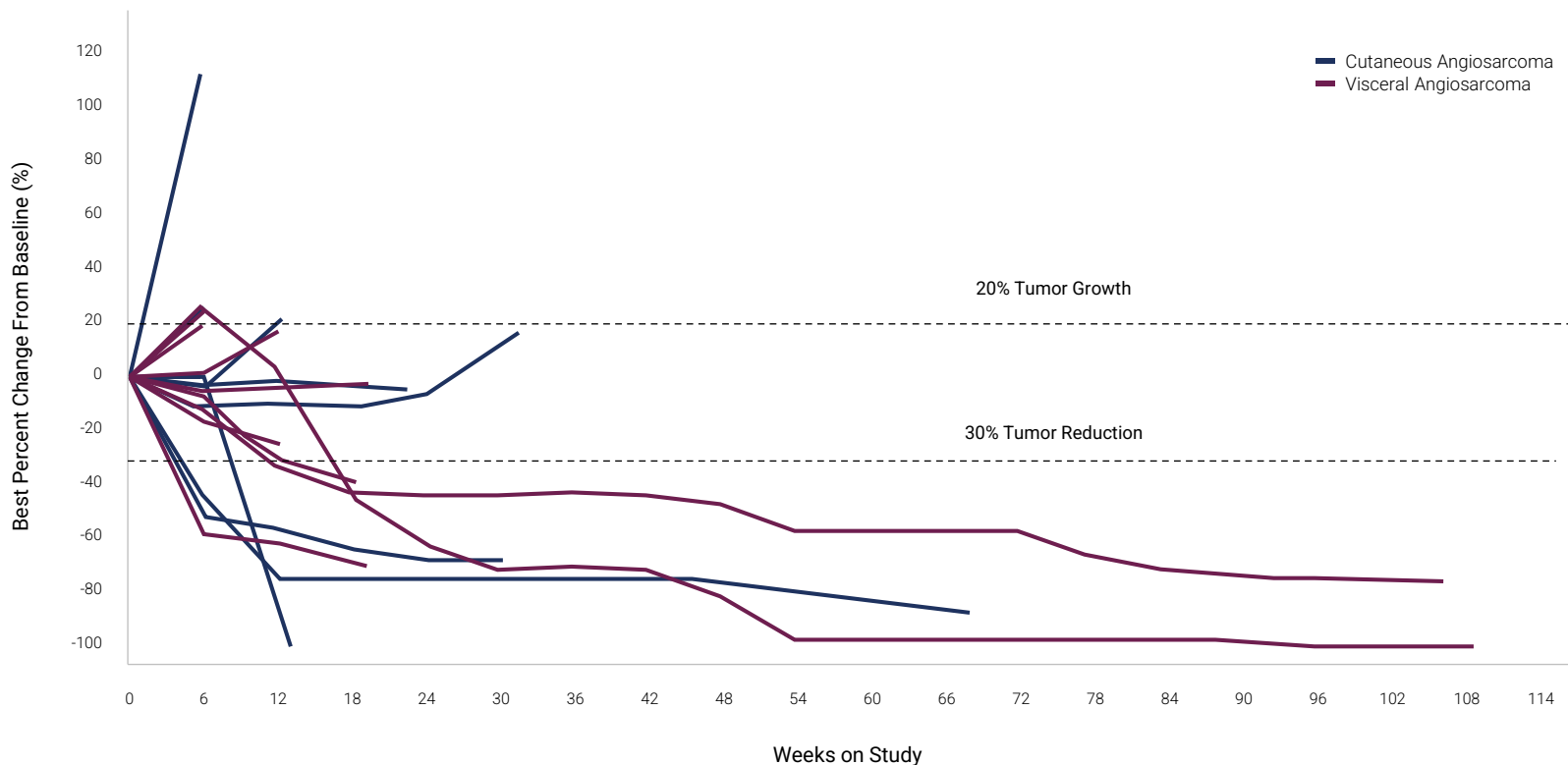
Significant Activity in Cutaneous and Visceral Angiosarcoma



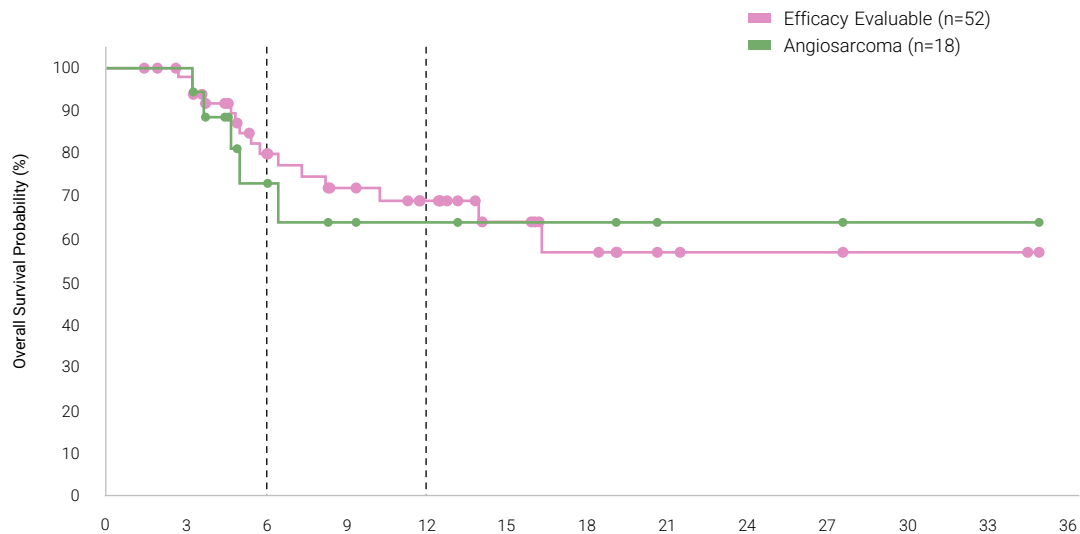
Angiosarcoma n=18	
ORR^a, % (95% CI)	39% (17–64)
Cutaneous (n=9)	33%
Visceral (n=9)	44%
BOR, n (%)	
CR	1 (6%)
PR	6 (33%)
SD	8 (44%)
PD	3 (17%)
Median DOR, months (95% CI)	21.7 (1.9–NR)

CBR (CR + PR + SD at 24 weeks), % (95% CI) **44% (22–69)**

Significant Activity in Cutaneous and Visceral Angiosarcoma



Overall Survival



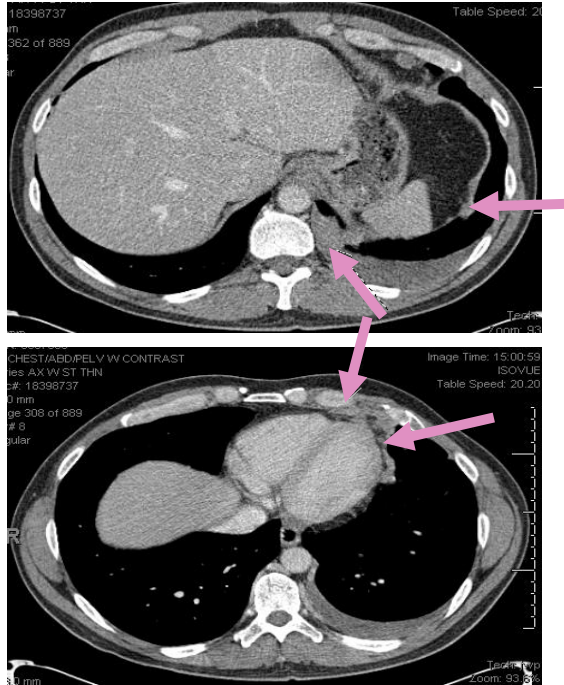
	0	3	6	9	12	15	18	21	24	27	30	33	36
Efficacy Evaluable (n=52)	52	48	33	25	20	12	8	4	3	3	2	2	0
Angiosarcoma (n=18)	18	18	9	6	5	4	4	2	2	2	1	1	0

Time From Start of Therapy (Months)

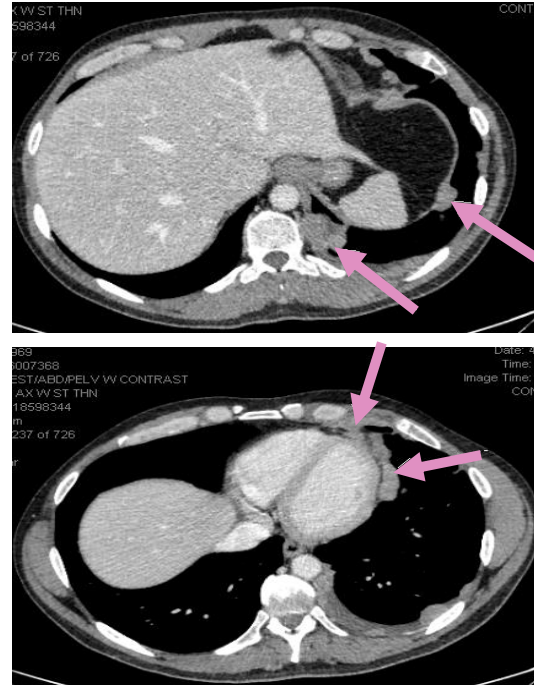
	Efficacy Evaluable n=52	Angiosarcoma n=18
Median OS, months (95% CI)	NR (14.0–NR)	NR (5.0–NR)
12-month OS, % (95% CI)	69% (52–81)	64% (33–84)
Median f/u, months (range)	9.1 (1.4–39.7)	6.9 (1.4–39.7)

Deep Response in a Visceral Angiosarcoma Patient

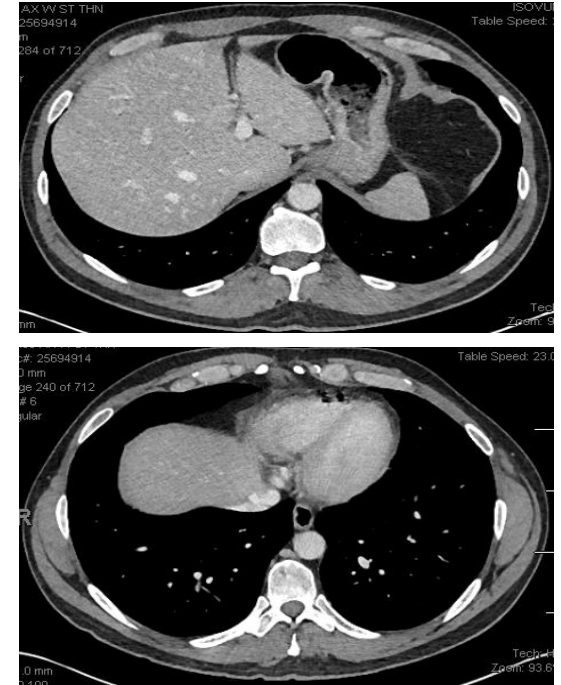
I. Baseline Scan



II. Pseudoprogression at 6 Weeks



III. Best Response



Safety

TRAEs in $\geq 10\%$ of All Treated Sarcoma Patients (N=64)

	All Grades	Grade 3	Grade 4
Any, n (%)	53 (83)	11 (17)	0
Gastrointestinal			
Diarrhea/colitis	23 (36)	4 (6)	0
Nausea	8 (13)	1 (2)	0
Vomiting	7 (11)	1 (2)	0
Skin			
Rash	19 (30)	1 (2)	0
Constitutional			
Fatigue	17 (27)	1 (2)	0
Pyrexia	14 (22)	0	0
Chills	11 (17)	0	0
Endocrine			
Hypothyroidism	7 (11)	0	0
Musculoskeletal			
Myalgia	7 (11)	1 (2)	0

- Sarcoma safety similar to other tumor types in the trial with no new safety signals
- No cases of related hypophysitis, pneumonitis, or myocarditis
- 13% discontinued bot due to a bot-related TRAE
- No grade 4 or 5 TRAEs

Conclusions & Future Directions

- Deep, durable responses resulting in extended survival were observed in a broad range of sarcoma subtypes
- The angiosarcoma cohort is particularly promising given the high percentage of colder visceral angiosarcomas
 - ORR in visceral angiosarcoma was **44%**
- The adverse event profile is manageable and reversible with no new safety signals identified
 - Diarrhea/colitis – most frequent TRAE (**36%** of patients; **6%** grade 3)
- The phase 1 study (C-800-01) continues to enroll patients in the angiosarcoma cohort (NCT03860272) at the University of Colorado (USA) and the Royal Marsden (UK)
- A phase 2 study is currently under consideration

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Abbreviations

AE , adverse event	Fc , fragment crystallizable	RECIST , Response Evaluation Criteria In Solid Tumors
APC , antigen presenting cell	F/U, follow-up	R/R , relapsed/refractory
bal , balstilimab	ICI , immune checkpoint inhibitors	SD , stable disease
BOR , best overall response	I-O , immunotherapy	TRAE , treatment-related adverse event
bot , botensilimab	ITT , intention-to-treat	Treg , regulatory T cell
CI , confidence interval	NR , not reached	uCR , unconfirmed complete response
CBR , clinical benefit rate at 24 weeks	ORR , objective response rate	
CR , complete response	OS , overall survival	
CTLA-4 , cytotoxic T-lymphocyte antigen-4	PD , progressive disease	
DCR , disease control rate at 6 weeks	PD-1 , programmed death receptor-1	
DOR , duration of response	PD-L1 , programmed death-ligand 1	
EE , efficacy evaluable	PFS , progression-free survival	
ECOG , Eastern Cooperative Oncology Group	PR , partial response	
	PS , performance status	
	QXW , every X weeks	

Acknowledgements

C-800-01 is sponsored (and funded) by Agenus Inc.

The authors would like to thank the patients and their families for participating in the C-800-01 study, as well as the trial coordinators and investigators for their contributions.

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