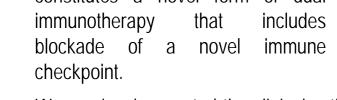
Abstract 235 Poster 81P

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Background

- Monalizumab is a first-in-class humanized IgG4 checkpoint inhibitor targeting the NKG2A receptor, which is expressed on CD8+ T cells and NK
- Cetuximab inhibits oncogenic EGFR signaling and binds to CD16/FcyRIII to promote ADCC.
- NK cell stimulation with monalizumab may enhance ADCC induced by cetuximab and thereby provide greater antitumor activity than cetuximab alone. 1-5
- Blocking NKG2A and triggering CD16 constitutes a novel form of dual blockade of a novel



- We previously reported the clinical activity and safety of monalizumab in combination with cetuximab in R/M SCCHN after platinum-based chemotherapy. 8-9
- Cetuximab single agent was approved in the US in R/M SCCHN⁶⁻⁷ progressing after platinum-based therapy with ORR 12.6%, median PFS of 2.3 months, median OS of 5.6 months, 6 months OS < 50%,
- More recently, two anti-PD-1, Nivolumab and Pembrolizumab, were approved as single agent in R/M SCCHN with disease progression on or after platinum-containing chemotherapy with ORR 13-15%, median PFS~2 months, and median OS of 7.5-8.4 months¹⁰⁻¹¹.
- To date, no treatment options are currently approved in patients progressing after platinum and anti-PD-(L)1 treatment. We present here data on the combination of monalizumab and cetuximab in this setting.

Study Design

This is a multicenter, single arm, phase Ib-II trial with different cohorts to evaluate the combination of monalizumab and cetuximab in patients with recurrent and/or metastatic squamous cell carcinoma of the head and neck (R/M SCCHN) (NCT02643550). Dose escalation and cohort 1 in patients post platinum (anti-PD-(L)1 naïve or pretreated) were previously presented 8-9. Cohort 2 enrolled patients post-platinum and post-anti-PD-(L)1. We report here analysis for Cohort 2 (ORR was earlier presented¹²) and an exploratory analysis of all patients treated with platinum and anti-PD-(L)1 in both cohorts.

Key eligibility criteria in cohort 2

- R/M SCCHN histologically confirmed, HPV (+) or HPV (-)
- Progression (PD) after platinum-based chemotherapy and prior anti-PD-(L)1
- Maximum of 2 prior systemic treatment regimens for R/M disease
- Prior cetuximab allowed if for locally advanced disease with RT and no PD for at least 4 months

Treatment

Monalizumab Cetuximab (as per label) (750 mg Q2W)

Primary endpoint

 Objective Response Rate (ORR) RECIST 1.1

onalizumab blocks the NKG2A/HLA-E inhibitory pathway unleashing

Cetuximab inhibits EGFR signalling and binds to CD16/FcyRIII to promote ADCC

Secondary endpoints

- Safety
- Duration of Response (DoR)
- Progression Free Survival (PFS)
- Overall Survival (OS)

Exploratory endpoints

Translational analyses

until progression or unacceptable toxicity

Main results

- ✓ As of August 31, 2020, 40 patients with R/M SCCHN post platinum and anti-PD-(L)1 were included in cohort 2 in US and France (Table 1). Median duration of follow-up (FU) was 13.1 months (range 7.9-15.9).
- ✓ Figure 1 shows responses, PFS and OS of patients enrolled in Cohort 2.
- ✓ In cohort 1 of the study, 19 patients received platinum and post anti-PD-(L)1, and were enrolled with the same selection criteria and similar characteristics than cohort 2. Thus an exploratory analysis combining these patients to those enrolled in Cohort 2 is provided in Figure 2.

Figure 1: waterfall plot, PFS and OS in cohort 2, median FU 13.1 months (7.9-15.9)

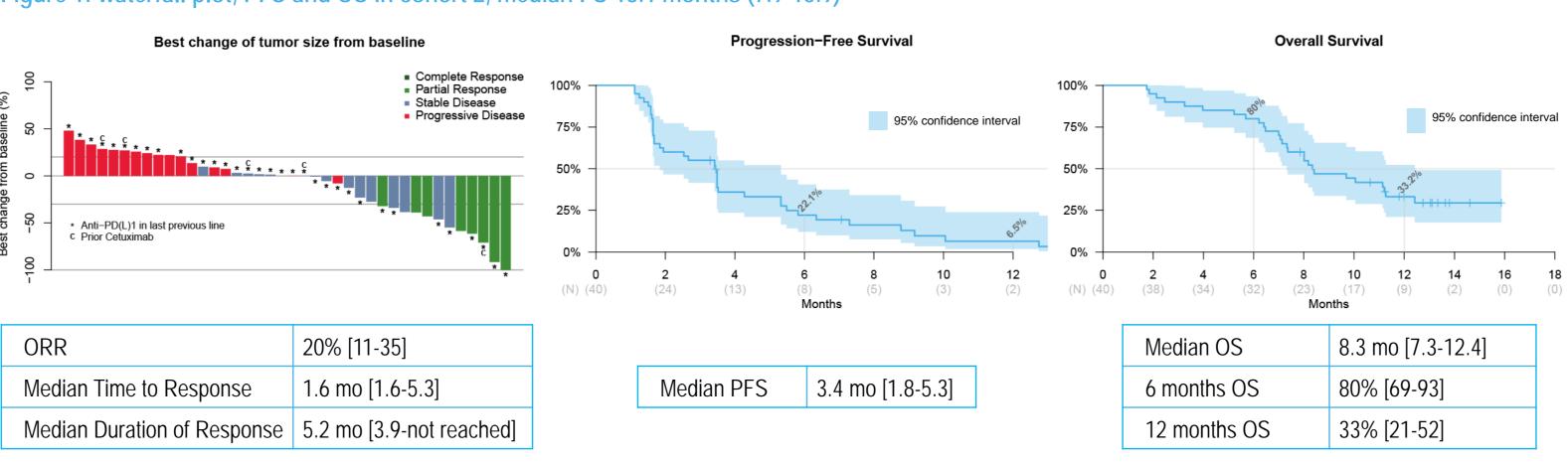
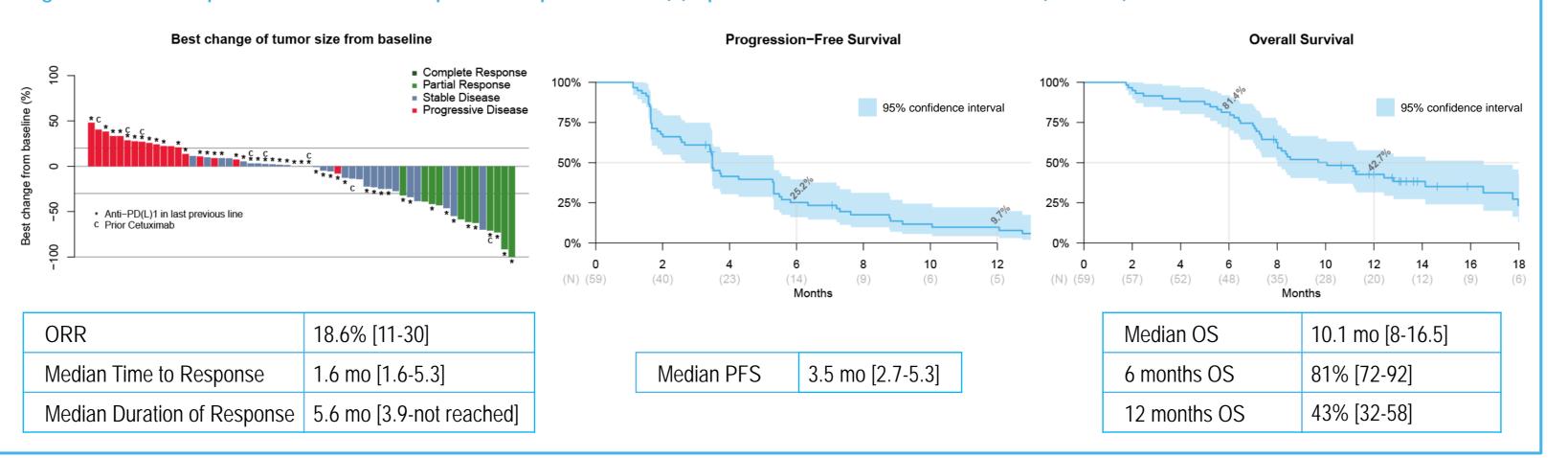


Figure 2: waterfall plot, PFS and OS in all platin and post-anti PD(L)1 patients, median FU 14.6 months (7.9-28.4)



References

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Table 1. Datients demographic and disease characteristics

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	Patient Cha	aracteristics	Cohort 2 n=40 n (%)		Disease and prior Characteristics
	Age, median [range]		63 [38-83]	Tumor site	
	Sex	Female Male	5 (12%) 35 (88%)		
	ECOG	0	16 (40%) 24 (60%)		Type of recurrence Sum of all target lesion
	Tobacco	Never Former	11 (28%) 25 (62%) 3 (8%) 1 (2%)		# of previous R/M syst
		Current Not known			Prior platinum resistar Prior platinum sensitiv Prior anti-PD-(L)1 sen
	Alcohol	Never	10 (25%) 19 (48%) 10 (25%) 1 (2%)		Prior anti-PD-(L)1 resi Prior cetuximab in LA
		Former Current			Last line anti-PD-(L)1 Last line other than an
		Not known			Time from last treatme
	* nlatinum resistar	nt if PD under or within	6 months after the end of tre	atme	nt

ographic and disease characteristics							
	Disease and prior treatment Characteristics		Cohort 2 n=40 n (%)				
	Tumor site	Oral cavity Oropharynx Larynx Hypopharynx Nasopharynx	12 (30%) 20 (50%) 4 (10%) 4 (10%) 0 (0%)				
	Type of recurrence	Local Distant	14 (35%) 26 (65%)				
	Sum of all target lesions in mm, me	80 [15-201]					
	# of previous R/M systemic lines	1 2	20 (50%) 20 (50%)				
	Prior platinum resistant* Prior platinum sensitive Prior anti-PD-(L)1 sensitive (CR, PF Prior anti-PD-(L)1 resistant (best re Prior cetuximab in LA setting	19 (47%) 21 (53%) 17 (43%) 23 (57%) 5 (12%)					
	Last line anti-PD-(L)1 Last line other than anti-PD-(L)1	34 (85%) 6 (15%)					
	Time from last treatment to C1D1, r	5.1 mo [1.3-56.3]					

Safety results

- All 40 patients had at least one adverse event.
- 18 patients (45%) had Grade 3-4 AEs regardless of causality, and only 4 patients (10%) had Grade 3-4 AEs related to any study drug.
- The most common (> 10% of patients) AEs related to monalizumab or cetuximab were dermatitis acneiform (72%), dry skin (35%), pruritus (22%), fatigue (20%), hypomagnesemia (20%), skin fissures (20%), infusion related reaction (18%), mucosal inflammation (18%), nausea (18%), paronychia (18%), rash (15%), and diarrhea (12%).
- Only 1 patient (2%) had AE grade 3-4 considered related to monalizumab: peripheral sensory neuropathy and subclavian vein thrombosis.
- There was no fatal AE nor AE leading to treatment discontinuation (of note, one patient left the study after the first administration of cetuximab and did not receive monalizumab; he was replaced and is not included in the analyses).

Conclusion

- The monalizumab and cetuximab combination therapy demonstrates good safety profile and promising activity in R/M SCCHN post platinum and post anti-PD-(L)1 where no treatment options are currently approved.
- In this population with a high medical need, we observed a high response rate of 20% and promising 6- and 12-month OS of 80% and 33% with monalizumab combined to cetuximab.
- Based on these results, a randomized phase 3 trial is underway to evaluate the combination monalizumab+cetuximab versus cetuximab+placebo in R/M SCCHN post platinum and post anti-PD-(L)1 patients.