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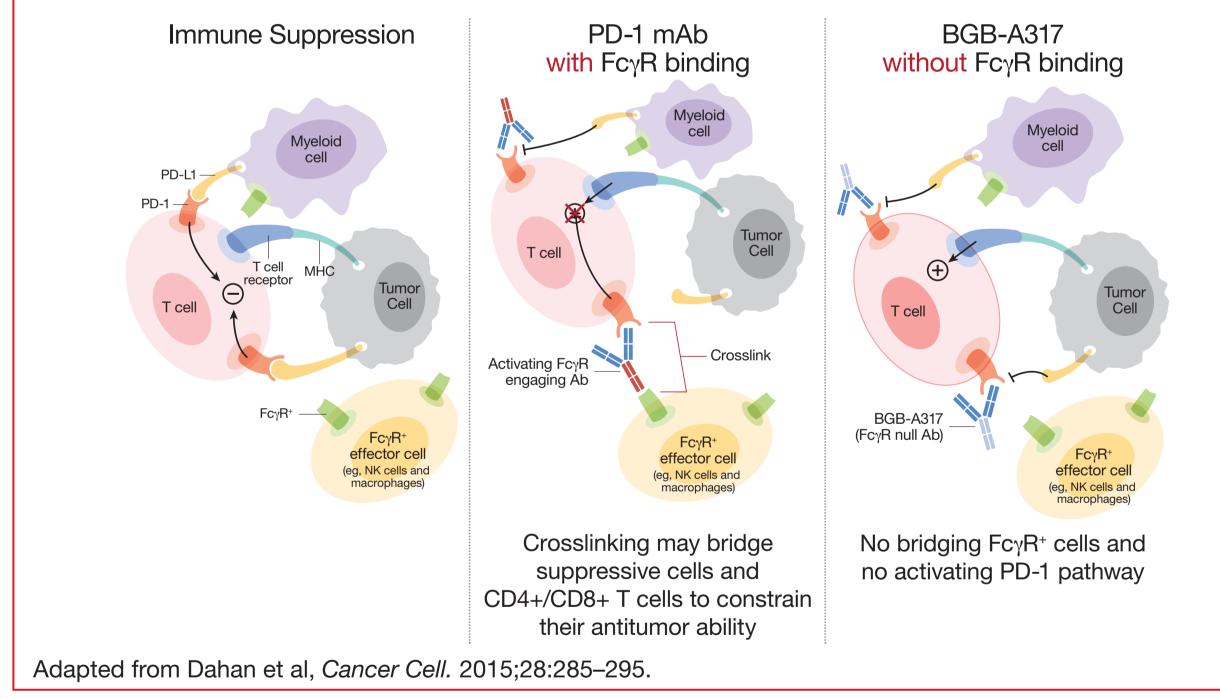
PRELIMINARY RESULTS FROM PATIENTS WITH ADVANCED GASTRIC CANCER AND ESOPHAGEAL CARCINOMA IN A DOSE-ESCALATION/EXPANSION STUDY OF BGB-A317, AN ANTI-PD-1 MONOCLONAL ANTIBODY

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INTRODUCTION

- Gastric cancer (GC) and esophageal cancer (EC) are commonly diagnosed cancers that pose a major clinical challenge due to limited treatment options^{1,2}
- Monoclonal antibodies against the immune checkpoint inhibitory receptor, programmed cell death-1 (PD-1), have demonstrated antitumor activity across multiple malignancies³
- BGB-A317 is a humanized IgG4 monoclonal antibody (mAb) with high affinity and binding specificity against PD-1
- BGB-A317 was specifically engineered to minimize binding to FcγR on macrophages, thereby abrogating antibody-dependent phagocytosis, a potential mechanism of T-cell clearance (Figure 1)
- Previous reports from an ongoing Phase 1A/1B study (NCT02407990) of BGB-A317 in patients with advanced solid tumors suggested that BGB-A317 is tolerable. In addition, its toxicity profile demonstrates that adverse events (AEs) are generally of low severity, manageable, and reversible⁴
- Here we present the preliminary results, as of 8 June 2017, of patients with advanced GC and EC enrolled in this Phase 1A/1B study. The trial is ongoing to collect more mature safety and antitumor activity data

Figure 1: Lack of FcyR Binding Prevents Macrophage-Mediated T Cell Clearance



METHODS

- The study design is detailed in Figure 2
- In Phase 1A, 10 mg/kg Q2W was the maximum administered dose; maximum tolerated dose was not reached
- All patients in Phase 1B received BGB-A317 as a 5 mg/kg IV infusion Q3W
- Radiographic assessment was performed approximately every 9 weeks

Key Eligibility Criteria of the GC and EC Subsets

- Adult patients (aged ≥18 years) with histologically or cytologically confirmed advanced/metastatic GC or EC, who have at least one measurable lesion, have not received prior anti-PD-1 or PD-L1 treatment, and an Eastern Cooperative Oncology Group (ECOG) performance status of ≤ 1 were enrolled
- Patients were excluded if they had a history of severe hypersensitivity reactions to other mAbs or if they had a prior malignancy active within the previous 2 years

Figure 2: Study KEY OBJECTIVES
PHASE 1A Safety, RP2D, and preliminary efficacy
<section-header>PHASE 1BEfficacy and safety in multiple tumor types</section-header>
*In select tumors for R not exceed the expos Abbreviations: MTD,
 Patient Dispo Results present treated with 2 r A total of 7 pa All but one pate

Table 1: Patient Demographics and Treatment Profile of GC and EC Populations

Median age, years (rang
Sex
Race

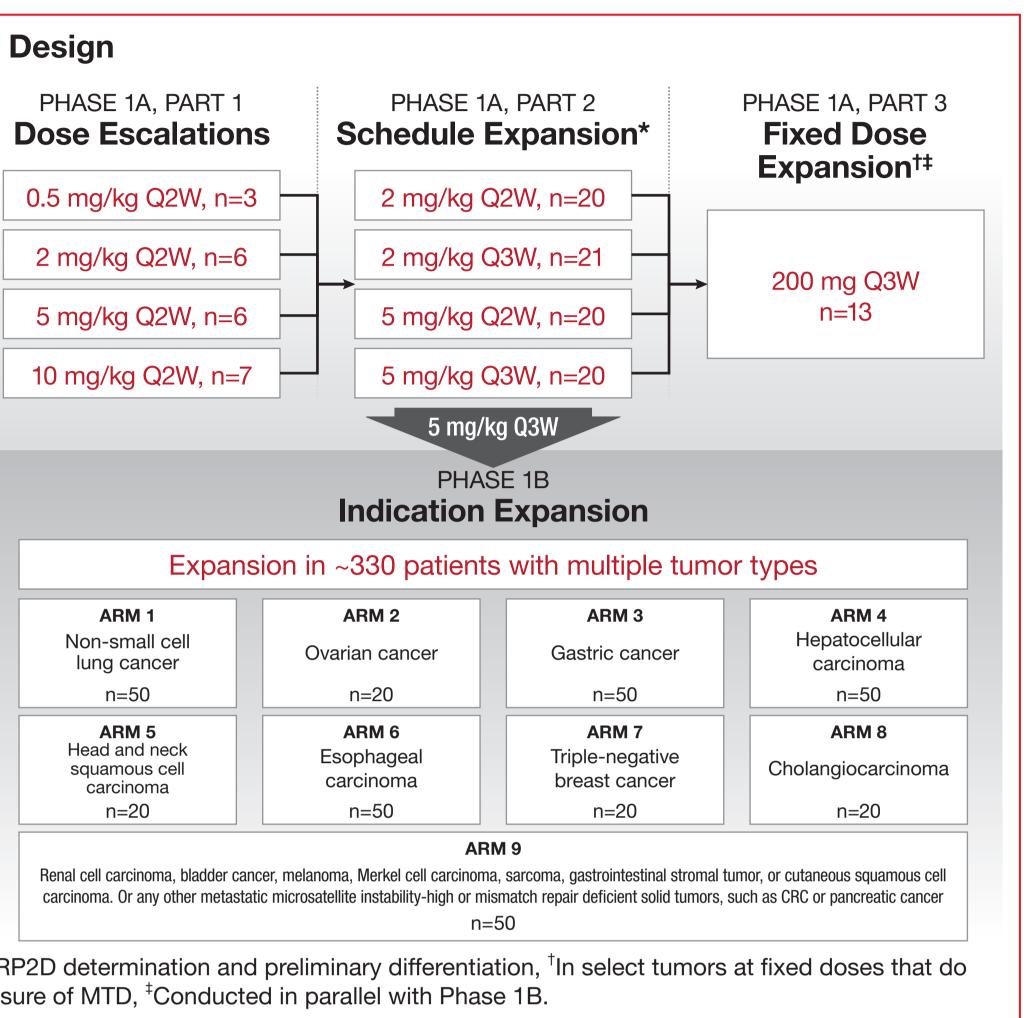
Median prior anti-cancer Prior anti-cancer therap regimens for advanced disease. n

Histological subtypes for EC

Prior radiotherapy for EC

Prior gastrectomy for GC

*All but one patient with GC received chemotherapy in the adjuvant or neoadjuvant setting



maximum tolerated dose; RP2D, recommended phase 2 dose.

RESULTS

sition

ted here include patients with advanced/metastatic GC or EC mg/kg or 5 mg/kg every two weeks (Q2W) or Q3W

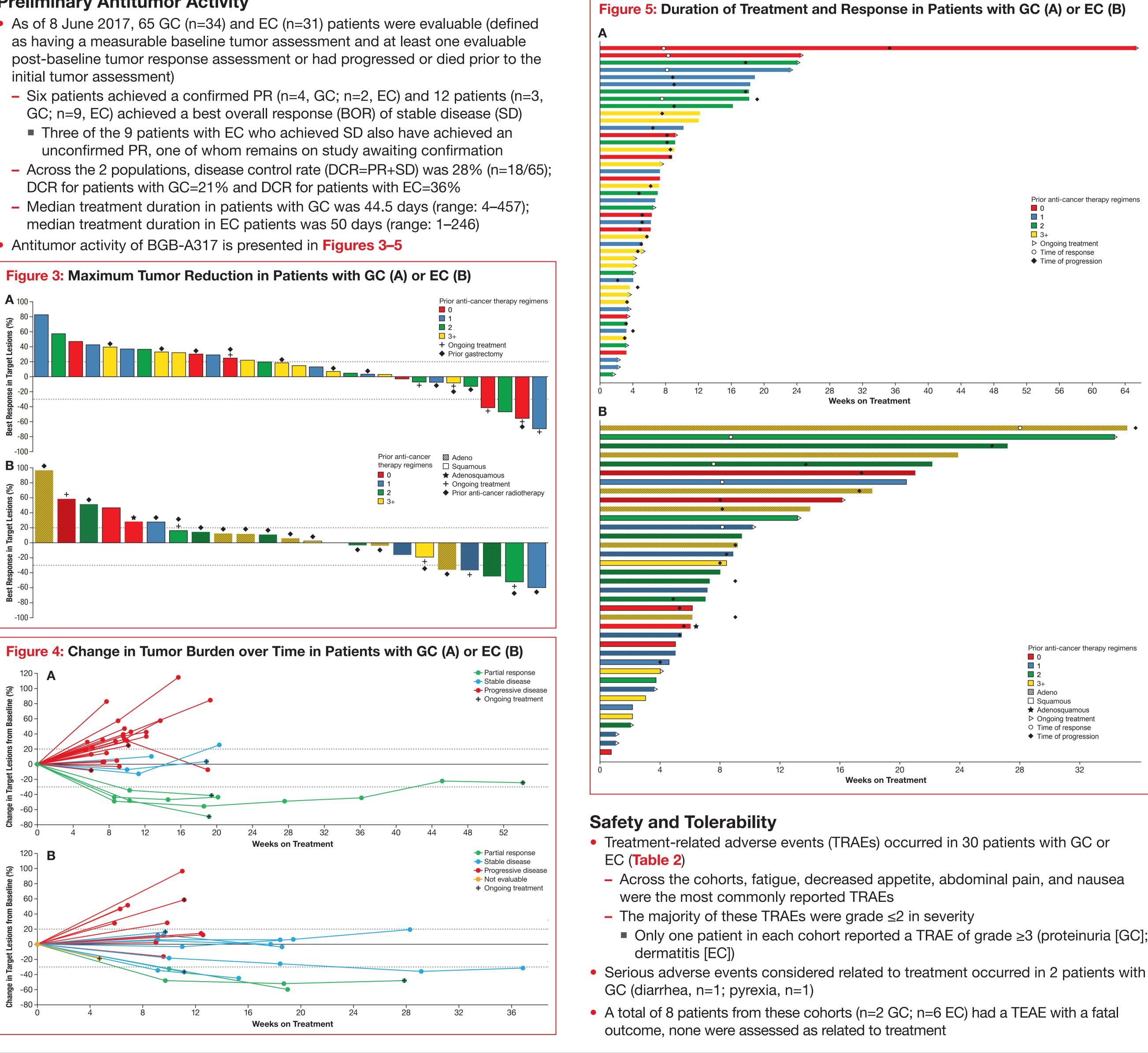
atients from the phase 1A schedule dose-expansion arm were included patient who received BGB-A317 5 mg/kg Q3W were from the phase 1B indication-expansion arm

• As of 8 June 2017, 83 patients with GC (n=46; median age 60.5 years [range: 22–81]) or EC (n=37; median age of 62 years [range: 32–80]) have been enrolled in this study (Table 1) A total of 27 patients (n=18, GC; n=9, EC) remained on treatment

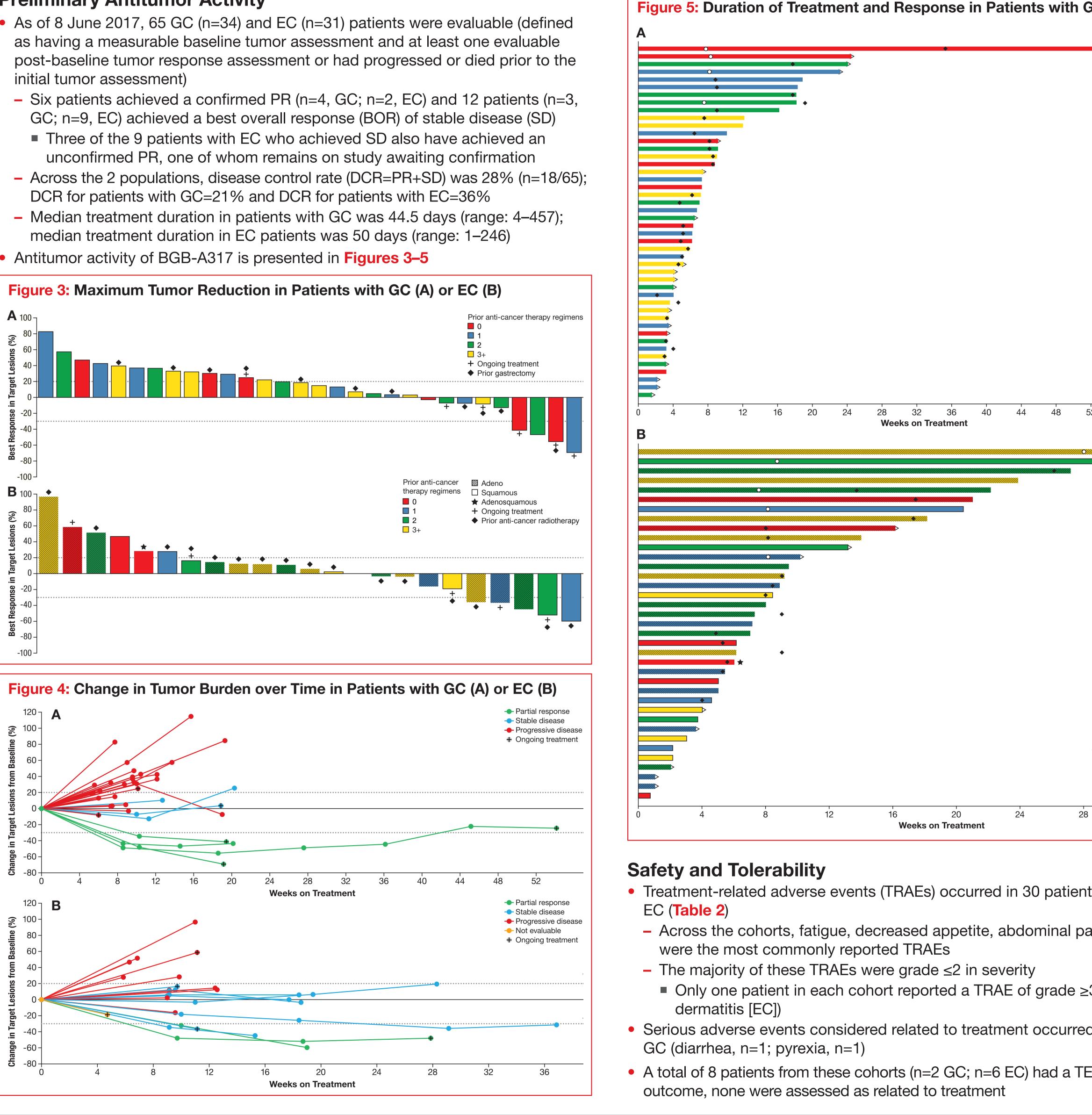
		•			
			Patients with GC or EC $(n - 46)$ EC $(n - 27)$		
		GC (n=46)	EC (n=37)		
ge)		60.5 (22–81)	62.0 (32–80)		
	Male/female	25/21	28/9		
	Caucasian	21	26		
	Black/African-American	1	1		
	Asian	21	7		
	American Indian/Alaska Native	0	1		
	Native Hawaiian/Other Pacific Islander	1	0		
	Other	2	2		
ər tł	nerapy regimens for advanced disease (range)	2 (0–9)	2 (0–7)		
ру	0*	9	6		
	1	13	11		
	2	11	10		
	≥3	13	10		
	Adeno		23		
	Squamous		13		
	Adenosquamous		1		
С	Yes		28		
	No		9		
iC	Yes	17			
	No	29			

Preliminary Antitumor Activity

- initial tumor assessment)







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		CONCLU	SIONS				
	 Treatment with BGB-A317 was generally well tolerated in pretreated patients with advanced GC and EC 						
	 As of 8 June 2017, 65 of 83 patients with GC or EC were evaluable for response, and 27 remained on treatment 						
	Median treatment duration in patients with GC was 44.5 days (range: 4–457); median treatment duration in EC patients was 50 days (range: 1–246)						
ti-cancer therapy regimens bing treatment of response	 Adverse events reported in these cohorts were consistent with the overall safety profile observed in the study and were generally of low severity, manageable, and reversible 						
e of progression	 Of the 65 evaluable patients, tumor reductions meeting the definition of confirmed partial response were observed in 6 patients with GC or EC; 12 patients achieved a confirmed best overall response of stable disease including 3 with unconfirmed partial response 						
	 The preliminary safety profile and antitumor activity support continued development of BGB-A317 in patients with advanced/metastatic GC or EC 						
56 60 64	Table 2: TRAEs Occurring	in ≥2 Patients witł	n GC or EC A	Across Cohorts	S		
► ►		All gra	des	Grad	le ≥3		
		GC (n=46)	EC (n=37)	GC (n=46)	EC (n=37		
	Any TRAE	15	15	1			
	···· ·	••		-			
	Fatigue	3	6	0	0		
			6 3	0	0 0		
	Fatigue	3	-	-	0 0 0		
	Fatigue Nausea	3 3	3	0	0 0 0 0		
	Fatigue Nausea Decreased appetite	3 3 4	3	0	0		
	Fatigue Nausea Decreased appetite Abdominal pain	3 3 4 4	3	0 0 0	0		
	Fatigue Nausea Decreased appetite Abdominal pain Pruritus	3 3 4 4	3	0 0 0 0	0 0 0 0		
cancer therapy regimens	Fatigue Nausea Decreased appetite Abdominal pain Pruritus Diarrhea	3 3 4 4	3	0 0 0 0 0	0 0 0 0		
cancer therapy regimens	Fatigue Nausea Decreased appetite Abdominal pain Pruritus Diarrhea Arthralgia	3 3 4 4	3	0 0 0 0 0 0 0	0 0 0 0		
cancer therapy regimens	Fatigue Nausea Decreased appetite Abdominal pain Pruritus Diarrhea Arthralgia Dermatitis	3 3 4 4	3	0 0 0 0 0 0 0	0 0 0 0		

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