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CodeBreaK101 Subprotocol H: Phase 1b Study Evaluating Combination of Sotorasib, a KRAS^{G12C} Inhibitor, and Panitumumab (PMab), an EGFR Inhibitor, in Advanced KRAS p.G12C-Mutated Colorectal Cancer (CRC)

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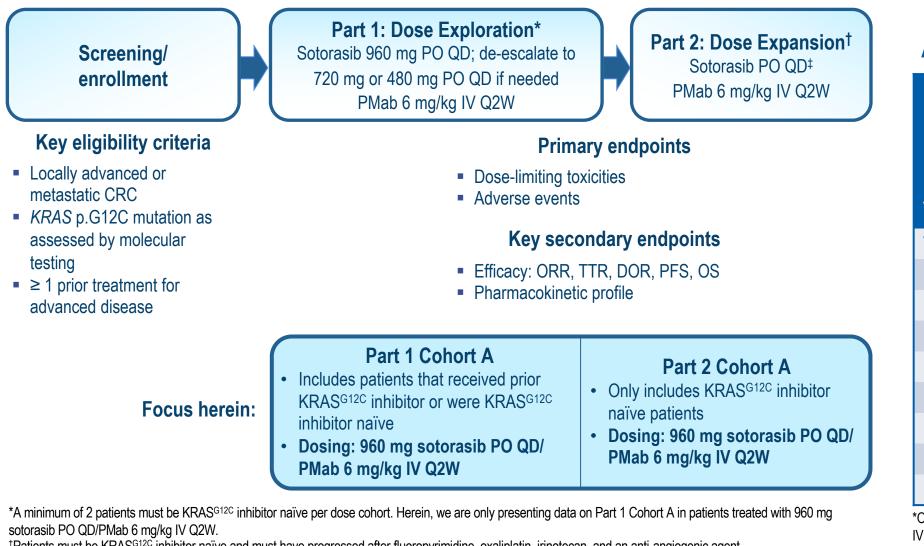
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INTRODUCTION

- The *Kirsten rat sarcoma viral oncogene homolog (KRAS)* p.G12C mutation has been identified as an oncogenic driver mutation in colorectal cancer (CRC)¹
- Sotorasib is a first-in-class specific and irreversible inhibitor of the KRAS^{G12C} protein²
- In the CodeBreaK100 phase 1 trial (NCT03600883), sotorasib monotherapy demonstrated clinical activity in heavily pretreated patients with KRAS p.G12Cmutated CRC, with an objective response rate (ORR) of 7.1%²
- Panitumumab (PMab), a monoclonal antibody specific to epidermal growth factor receptor (EGFR), is approved for the treatment of RAS wild-type CRC³
- KRAS^{G12C} inhibition with sotorasib can lead to accumulation of upstream EGFR signaling, which could drive tumor growth via alternative pathways⁴
- The combination of sotorasib with an EGFR inhibitor may provide complete and deep inhibition of tumor growth, as supported by preclinical evidence^{4,5}
- Herein, the safety and efficacy of sotorasib in combination with PMab in KRAS p.G12C-mutated CRC is evaluated in this ongoing phase 1b study (NCT04185883)

STUDY DESIGN

CodeBreaK101 Subprotocol H Phase 1b



Patients must be KRAS^{G12C} inhibitor naïve and must have progressed after fluoropyrimidine, oxaliplatin, irinotecan, and an anti-angiogenic agent Sotorasib PO daily dose identified in the dose exploration phase. Herein, we are only presenting data on Part 2 Cohort A in patients treated with 960 mg sotorasib PO

QD/PMab 6 mg/kg IV Q2W CRC, colorectal cancer; DOR, duration of response; IV, intravenous; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PO, oral; Q2W every 2 weeks; QD, daily; TTR, time to response

RESULTS

Baseline Characteristics and Treatment Exposure

| | Part 1 + Part 2 Combined Cohort A (N = 31) Sotorasib 960 mg PO QD/PMab 6 mg/kg IV Q2W | |
|--|--|--|
| Baseline characteristic | | |
| Median age, years (range) | 58 (31–79) | |
| Female, n (%) | 21 (67.7) | |
| Median lines of therapy for metastatic disease, n (range) | 2 (1–10) | |
| Prior sotorasib therapy, n (%) | 5 (16.1) | |
| Exposure | | |
| Median treatment duration of combination, week (range) | 10.3 (2.1–48.1) | |
| IV, intravenous; PMab, panitumumab; PO, oral; Q2W, every 2 weeks; QI |), daily. | |

RESULTS (continued)

Treatment-Related Adverse Events (TRAEs)

- period)

Variable

| TRAE any grade, n (%) |
|-----------------------|
| |
| Related to sotorasib |
| |
| Related to PMab |
| |

Grade 3 TRAE, n (%)

- Grade 4 TRAE, n
- Fatal TRAE, n
- TRAE leading to dose mo Sotorasib

PMab

Sotorasib in combination with PMab was well tolerated, with no fatal TRAEs

Most Common TRAEs (Occurring in > 10% Of Combined Cohort)

| | Part 1 + Part 2 Combined Cohort A (N = 31) Sotorasib 960 mg PO QD/PMab 6 mg/kg IV Q2W | | | |
|----------------------|--|--|--|--|
| Variable | All grades | Grade ≥ 3* (No grade 4 or 5 events reported) | | |
| Total TRAEs, n (%) | 23 (74.2) | 4 (12.9) | | |
| Dermatitis acneiform | 17 (54.8) | 2 (6.5) | | |
| Dry skin | 8 (25.8) | 1 (3.2) | | |
| Nausea | 8 (25.8) | 0 | | |
| Diarrhea | 7 (22.6) | 1 (3.2) | | |
| Hypokalemia | 5 (16.1) | 1 (3.2) | | |
| Hypomagnesemia | 5 (16.1) | 1 (3.2) | | |
| Pruritus | 4 (12.9) | 0 | | |
| Rash | 4 (12.9) | 1 (3.2) | | |

Tumor Response for Sotorasib Combination with PMab

| Response assessed by | |
|----------------------|--|
| investigator | |

| Response assessed by investigator | Part 1 Cohort A (n = 8) Sotorasib 960 mg / PMab 6 mg/kg | Part 2 Cohort A (n = 18) Sotorasib 960 mg / PMab 6 mg/kg | Part 1 + Part 2 Combined Cohort A (N = 26)* |
|---|---|--|---|
| Disease control rate, n (%) | 6 (75.0) | 15 (83.3) | 21 (80.8) |
| ORR, % (95% CI) Confirmed Confirmed and unconfirmed [†] | 12.5 (0.3, 52.7) 12.5 (0.3, 52.7) | 16.7 (3.6, 41.4) 33.3 (13.3, 59.0) | 15.4 26.9 |
| Partial response, n (%) Confirmed Confirmed and unconfirmed [†] | 1 (12.5) 1 (12.5) | 3 (16.7) 6 (33.3) | 4 (15.4) 7 (26.9) |
| Stable disease, n (%) | 5 (62.5) | 12 (66.7) | 17 (65.4) |
| Progressive disease, n (%) | 1 (12.5) | 2 (11.1) | 3 (11.5) |
| Not done, n (%) | 1 (12.5) | 1 (5.6) | 2 (7.7) |

have the opportunity to be followed for \geq 7 weeks starting from day Includes patients with unconfirmed partial response, awaiting confirmatory scan. ORR, objective response rate; PMab, panitumumab.

• No dose-limiting toxicities (DLT) were observed during the first 28 days (DLT evaluation

• The majority of TRAEs were grade 1–2 in severity

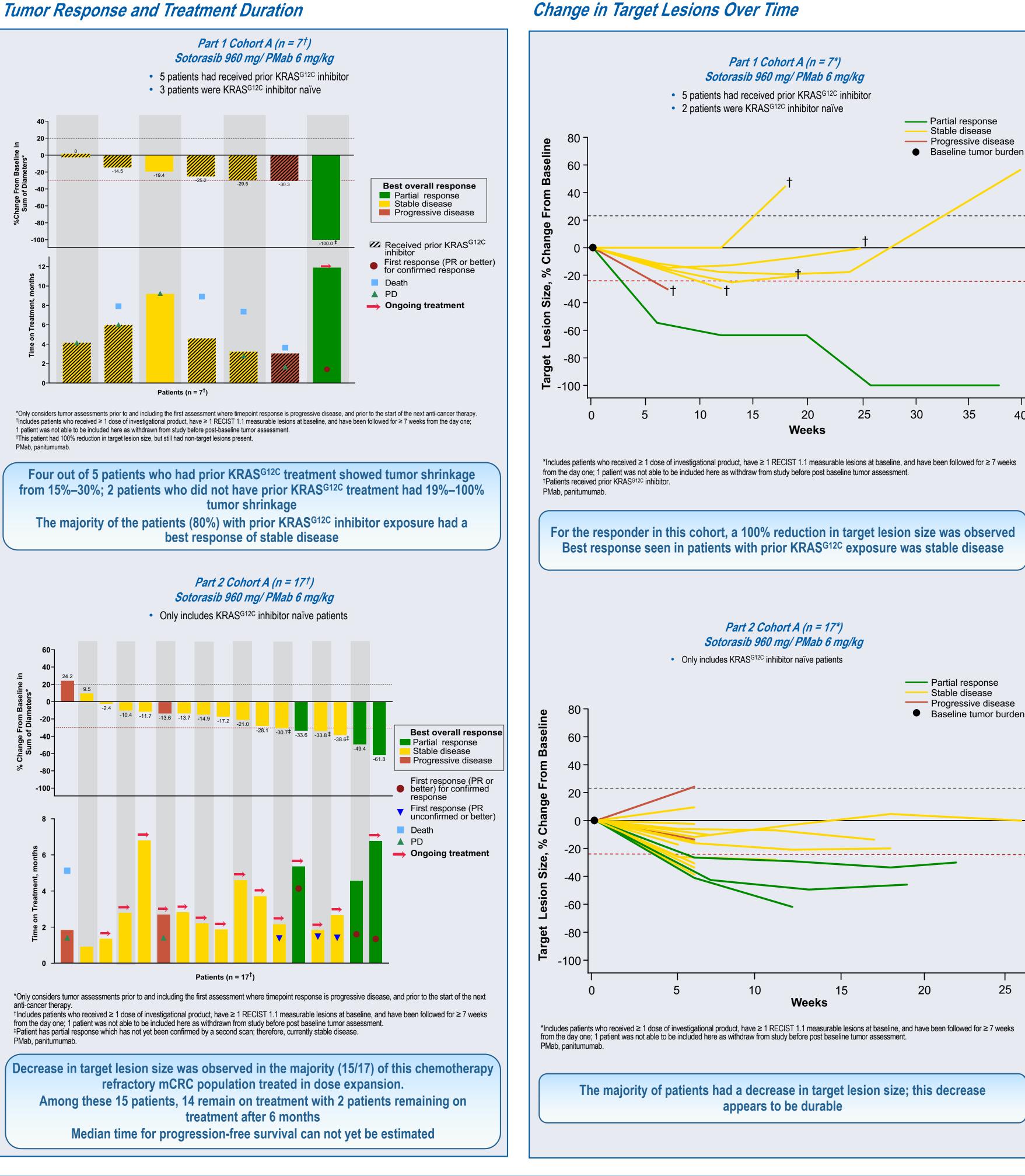
| | Part 1 + Part 2 Combined Cohort A (N = 31) Sotorasib 960 mg PO QD/PMab 6 mg/kg IV Q2W |
|----------------------------------|--|
| | 23 (74.2) 14 (45.2) 23 (74.2) |
| | 4 (12.9)* |
| | 0 |
| | 0 |
| dification, n (%) | |
| | 3 (9.7)† 2 (6.5)‡ |
| a, hypomagnesemia, dry skin, and | I rash (PMab-related); PMab dose modified. One experienced grade 3 dermatitis acneiform |

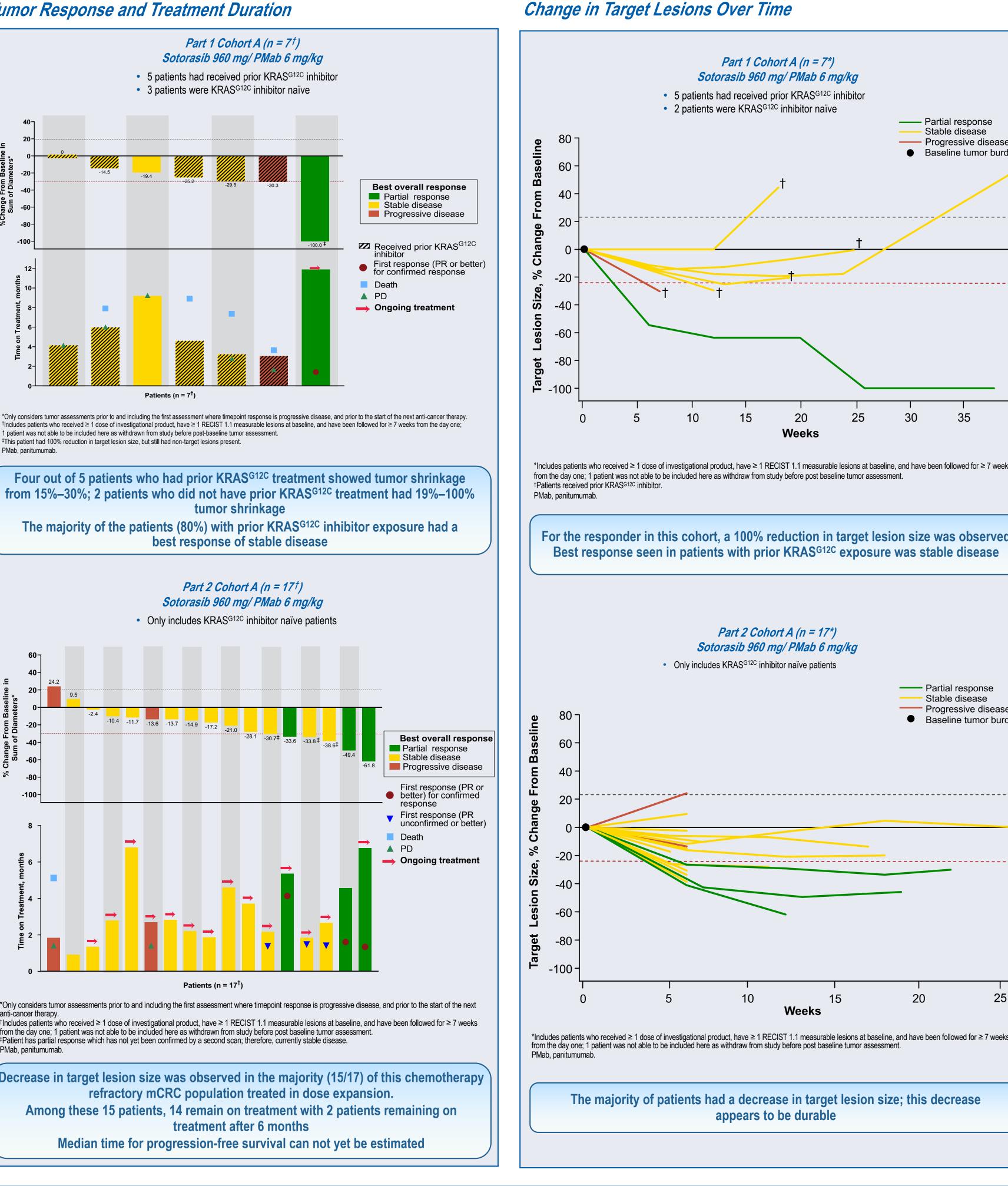
kin, and rash (Piviab-related), Piviab dose modified. One experienced grade 3 dermatilits acherior nd myalgia (PMab-related); PMab dose modified only for dermatitis acneiform. One experienced grade 3 diarrhea (sotorasib-related); sotorasib dose modified. One perienced grade 3 cellulitis, edema peripheral, and dermatitis acneiform (PMab-related); sotorasib and PMab dose not changed

Dne patient had diarrhea, one patient had fatique, and another patient had hypokalemia, resulting in dose modification of sotorasib. One patient had dermatitis acneiform and another patient had dry skin, rash, hypokalemia, and hypomagnesemia, resulting in dose modification of PMab.

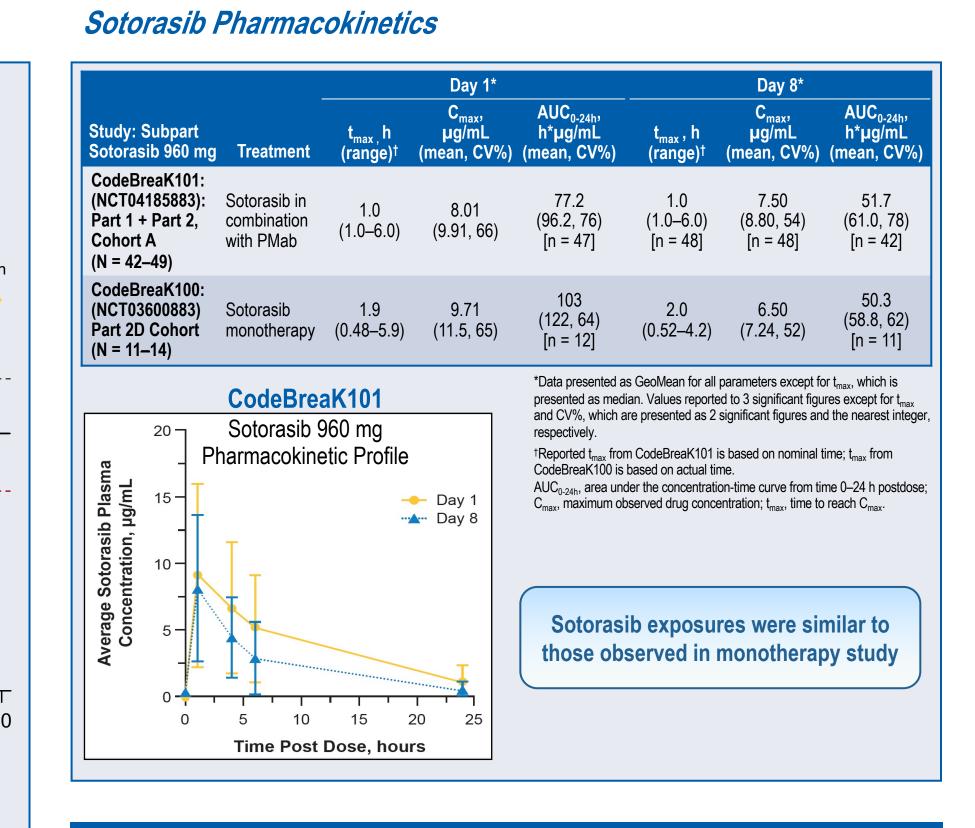
/ intravenous: PMab, panitumumab: PO, oral: Q2W, every 2 weeks: QD, daily: TRAE, treatment related adverse event

Overall, 27% achieved response (including unconfirmed response awaiting confirmation) and 81% achieved disease control





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CONCLUSIONS

- The combination of sotorasib (960 mg orally daily) and panitumumab (6 mg/kg IV every 2 weeks) was safe and tolerable in these chemorefractory patients with KRAS p.G12Cmutated CRC
- Adverse events were consistent with known adverse events for sotorasib and panitumumab
- Although follow up is short in this interim analysis, response rates of the combination of sotorasib and panitumumab were:
- 15.4% confirmed ORR
- 26.9% ORR (including unconfirmed response awaiting confirmation)
- These ORR were numerically higher than sotorasib monotherapy in KRAS p.G12Cmutated CRC (7.1% ORR)²
- Sotorasib in combination with panitumumab is associated with signals of early promising efficacy in patients with KRAS p.G12C-mutated CRC

DECLARATION OF INTERESTS

Study sponsored by Amgen Inc.

Marwan Fakih has the following disclosures • Speaking engagement (self): Amgen Inc.

• Advisory board (self): Array BioPharma, Bayer

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