



The changing landscape of pancreatic cancer therapy.

2026 Debates and Didactics



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Disclosures and Disclaimers

Advisory role: Revolution Medicine, Natera, Jazz Pharma, Exilixis, AstraZeneca.

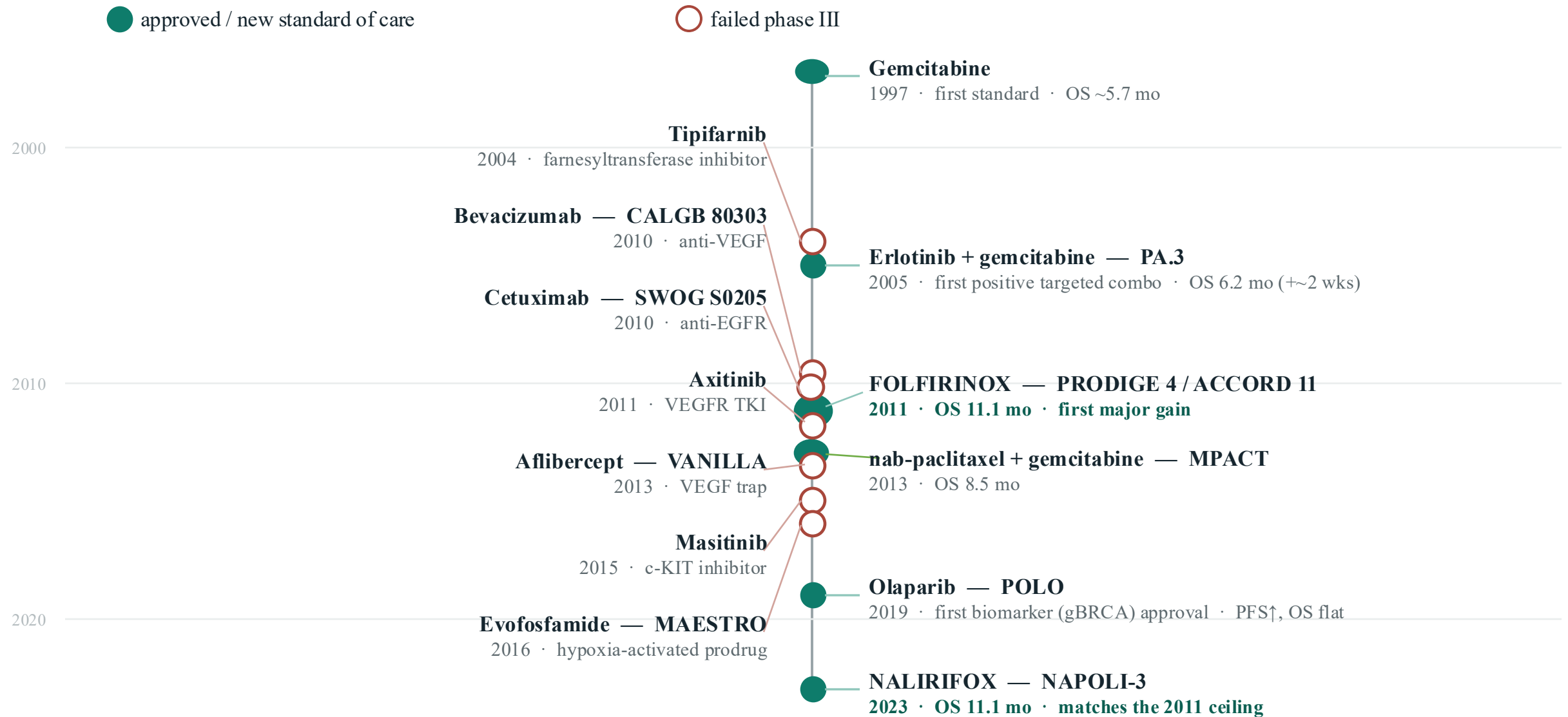
Research Support: NIH/NCI, Jazz Pharma, Alynam, Servier, AstraZeneca, Pfizer, Roche

No off- label uses of drugs will be presented.

Key Takeaway Points

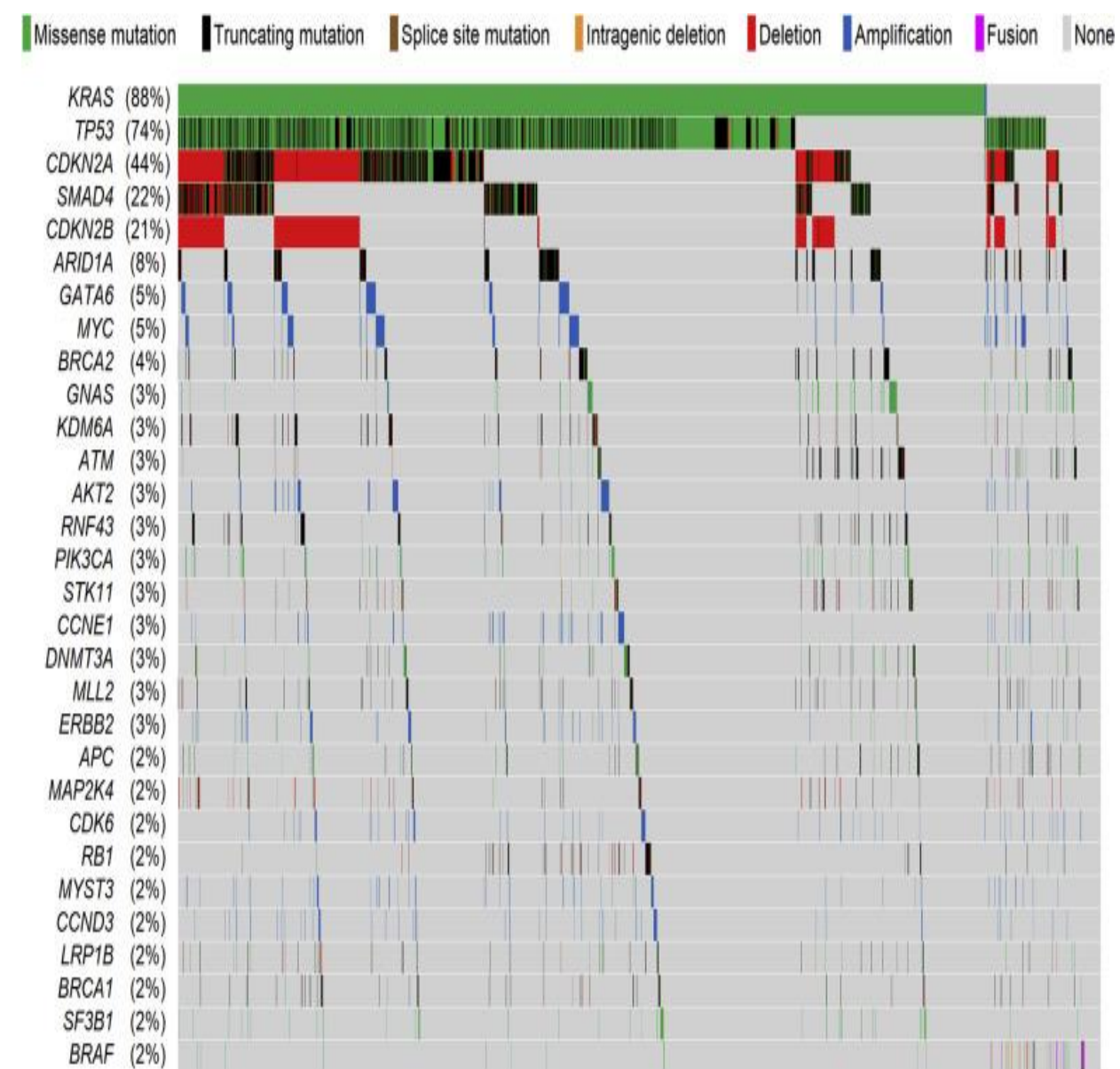
- **All patients** with pancreatic cancer should undergo comprehensive tumor genome testing. *NCCN, 03/2026*.
- Multiple RAS-targeting strategies, including mutant specific (G12C, G12D), pan-KRAS and multi-RAS ON inhibitors, have now shown clinical activity in pancreatic cancer.
- The next frontier is overcoming resistance through rational combination strategies.

The Old Road: Ponderous Progress in PDAC Drug Development

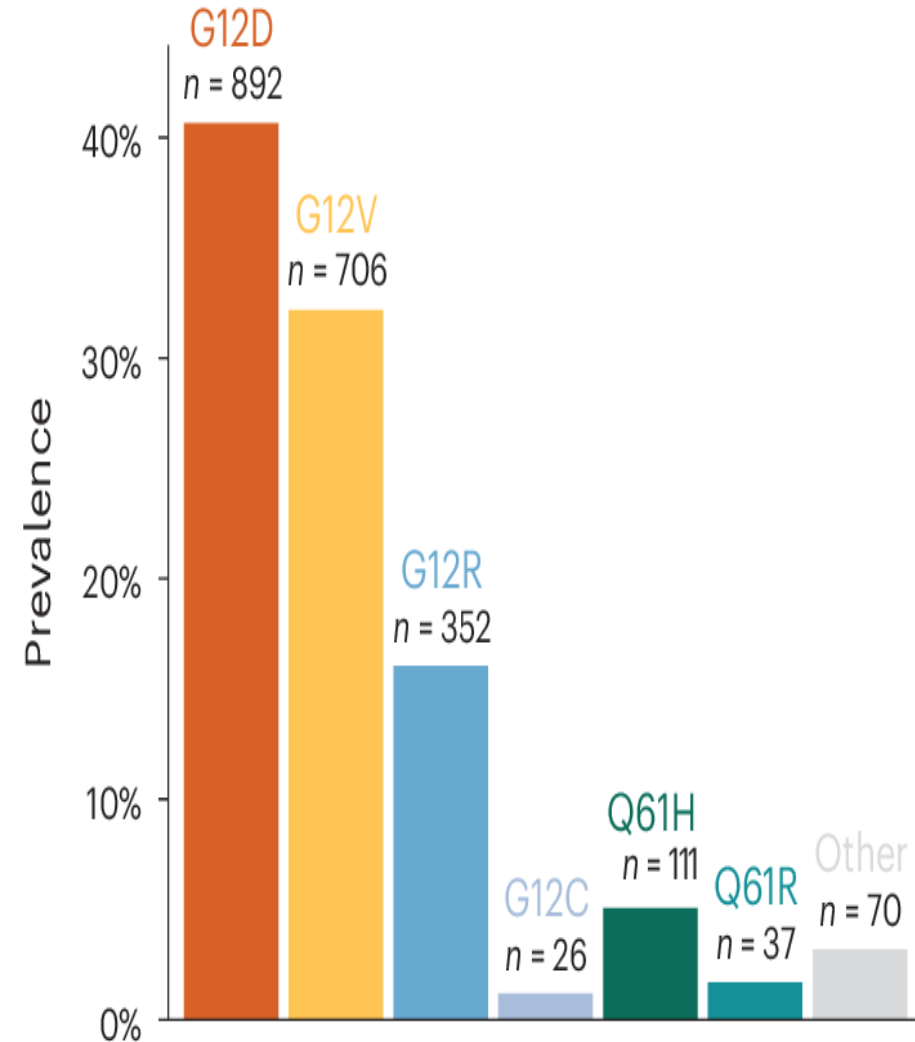


Failures shown are landmark phase III trials (+ sorafenib, sunitinib, marimastat, ganitumab, trametinib and others). Wins: PA.3 (2007), PRODIGE 4/ACCORD 11 (2011), MPACT (2013), POLO (2019), NAPOLI-3 (2023).

The most common alterations in pancreatic cancer are ‘undruggable’



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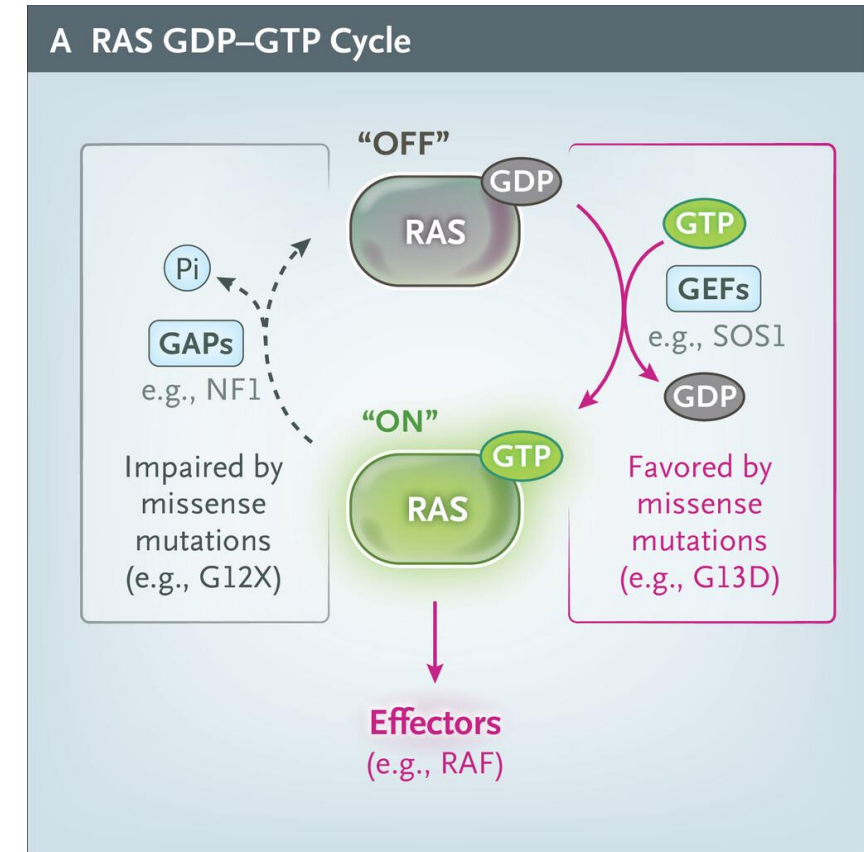


Singhi AD et al. *Gastroenterology* 2019;156:2242–2253.

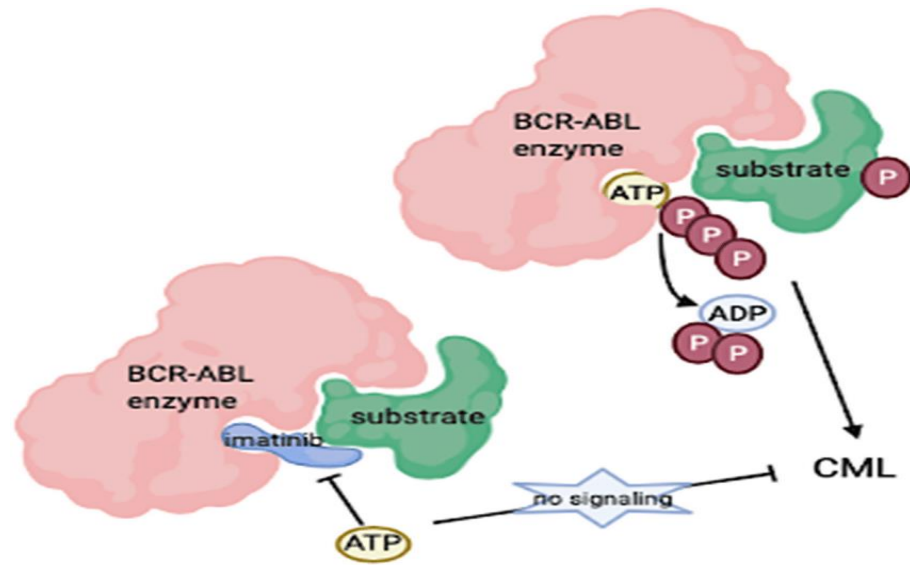
Varghese AM et al. *Nature Medicine* volume 31, pages 466–477 (2025)

Ras Biology

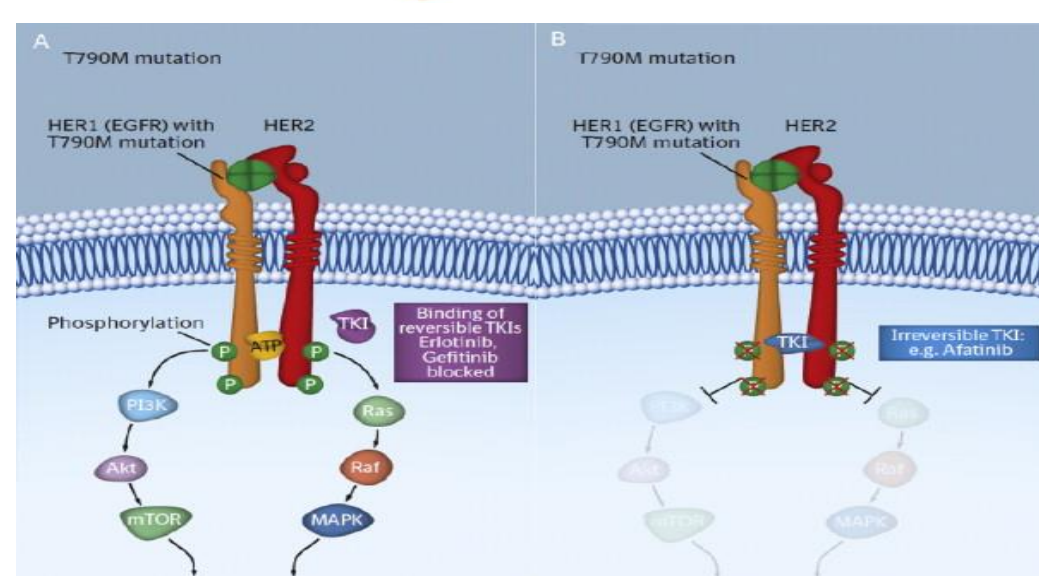
- Binary switch: Ras cycles between inactive GDP-bound and active GTP-bound states.
- Activation: GEFs (eg SOS) promote GDP→GTP exchange (On); GAPs + intrinsic GTPase trigger GTP→GDP hydrolysis (Off).
- Mutations: Oncogenic RAS impairs GAP binding and intrinsic GTPase activity, locking Ras in the active GTP (On) state
- This favors Ras-GTP accumulation and drives proliferation



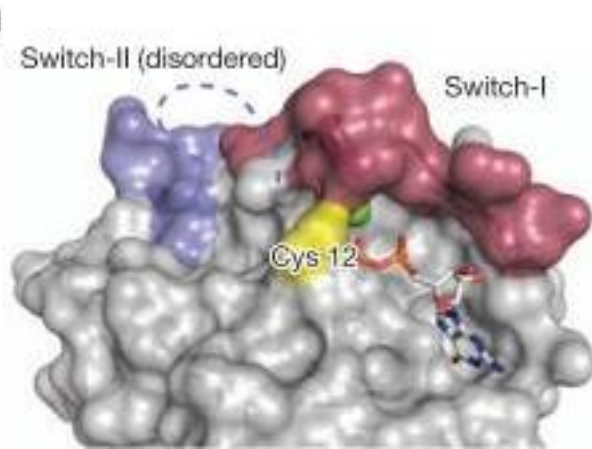
Targeting K-Ras in pancreatic cancer: in search of pockets



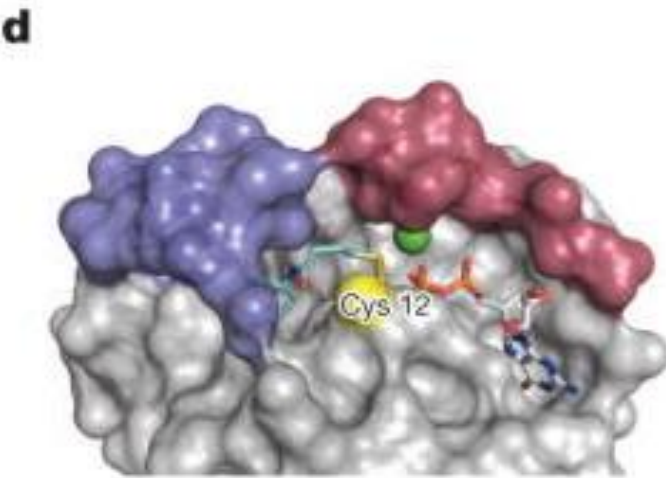
- GTP binding site is deep within the K-Ras protein
- This site is largely inaccessible to small molecule inhibitors
- K-Ras has significantly high affinity for GTP/GDP picomolar (10^{-12})
- Contrast to micromolar binding affinity for ATP with BCR/ABL or EGFR TK



Targeting K-Ras in pancreatic cancer: engineering pockets

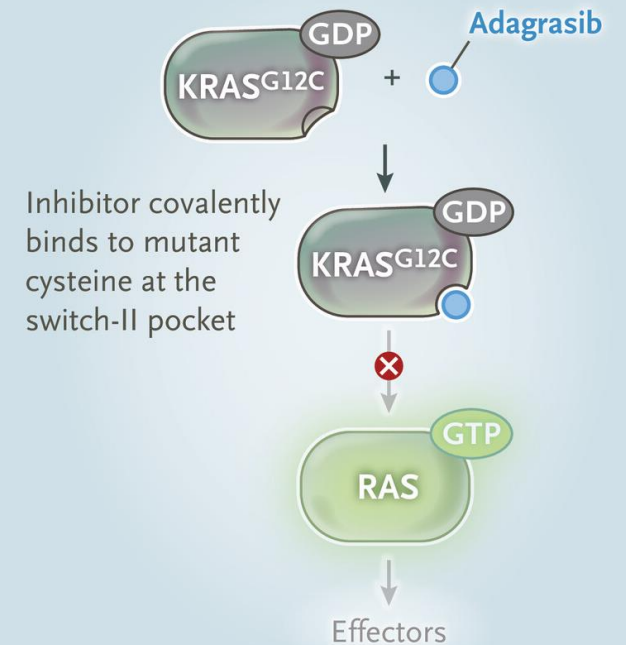


- K-Ras G12C mutation uncovers a switch pocket
- Small molecule sits in the pocket and distorts Kras-GDP (RAS-Off)
- This allows allosteric inhibition of Ras-GDP/GTP transition.
- Kras is now druggable!



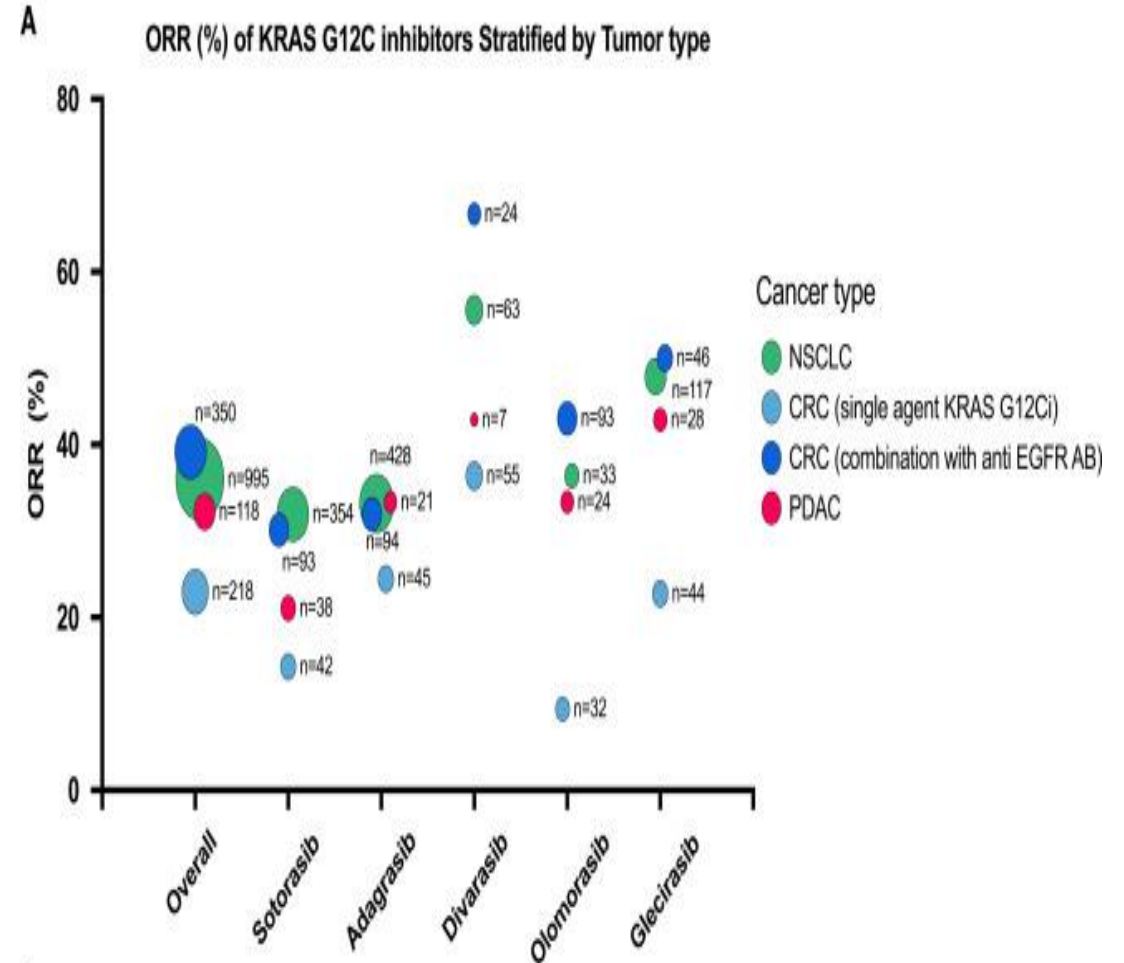
B RAS Inhibitors

RAS(OFF)
mutant-selective inhibitor



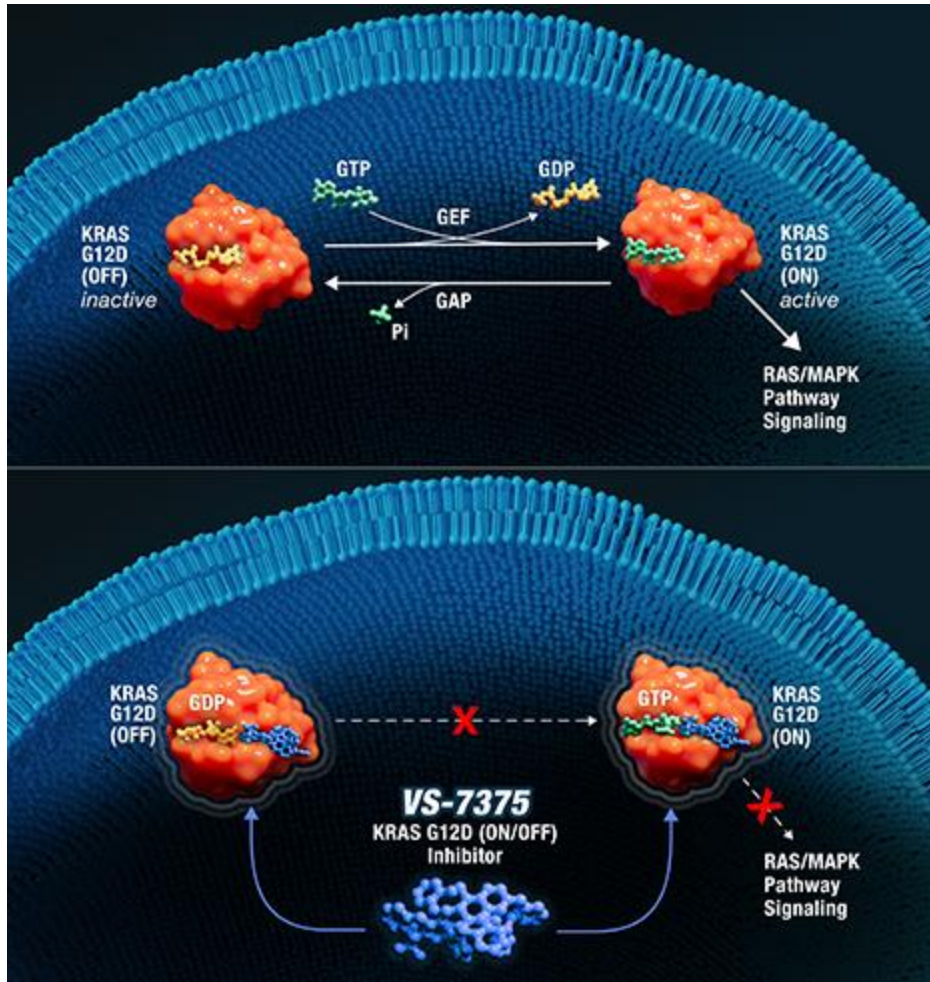
Ras-GDP inhibition: Limitations and Lesson Learned.

- K-Ras G12C is present in only 1-2% of PDAC
- Response in pancreatic cancer is not as durable or robust as it is in other cancers
- May need to be combined with EGFR blockade



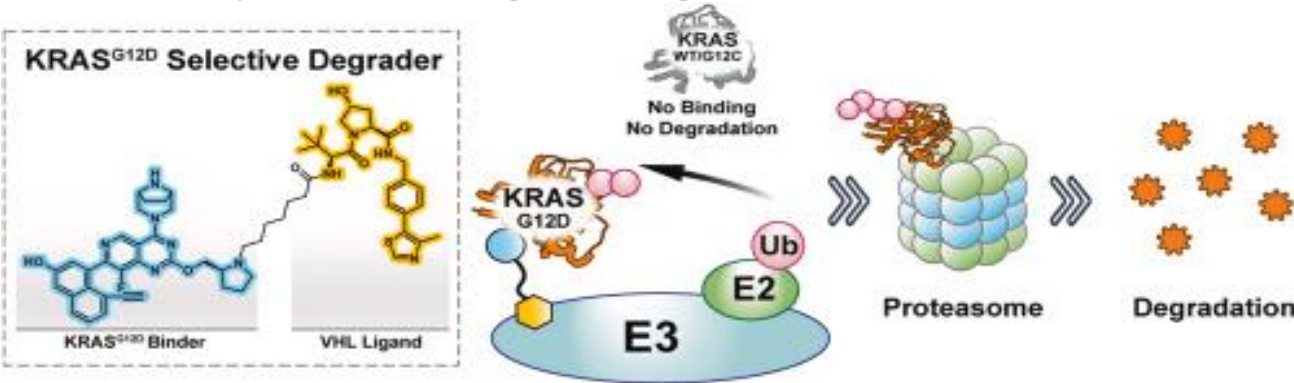
KRAS G12D ON/OFF Dual state inhibitors

Efficacy and Safety of GFH375 Monotherapy in Previously Treated Advanced KRAS G12D Mutant PDAC



- Phase I/II Study of GFH375/VS7375 in KRAS G12D PDAC
- 66 patients received 600mg QD dose.
- 68% had received at least 2 prior lines
- ORR: 41% (90% CI 30, 52%)
- Median PFS: 5.5 months (90% CI, 4.27-7.20)
- Median OS: NR months (median fu 5.65months)
- Grade 3 toxicities:31%
- Most common diarrhea, n&v, cytopenias.

Proteolysis Targeting Chimera (PROTAC) protein degrader: ASP3082

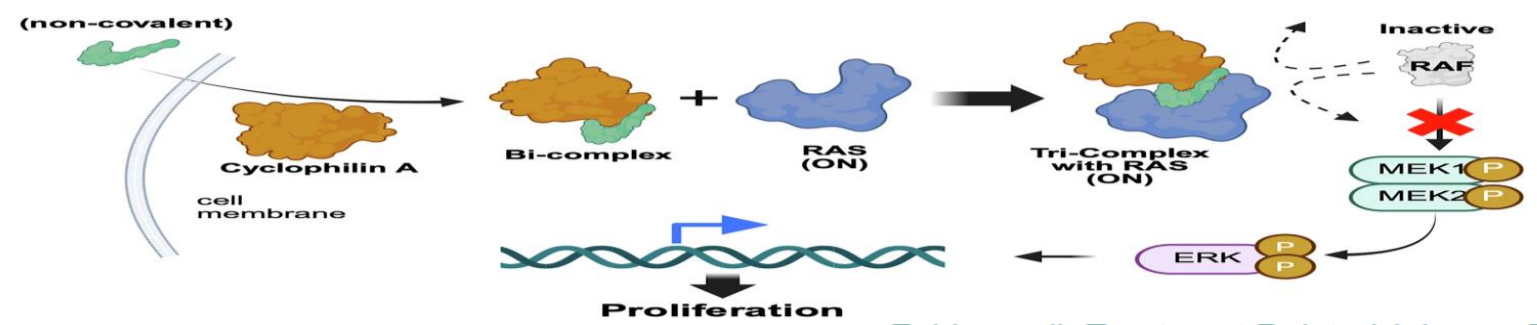


- Phase 1 Study of Setidegrasib (ASP3082) in KRAS G12D PDAC
- N=21. IV 600mg weekly
- Median two (range 1-5) previous treatments
- ORR was 24% (95% CI 8-47)
- Median PFS, 3 months (95% CI 1.4- 6.9)
- Median OS, 10.3 months (95% CI 4.2- 13.0)

Table 2. Adverse Events in Patients Who Received 600 mg of Setidegrasib Monotherapy.	
Event	Patients (N = 76)
Adverse events that emerged during treatment — no. (%)	
Any	76 (100)
Grade ≥3	32 (42)
Serious	25 (33)
Leading to treatment interruption	59 (78)
Leading to dose reduction	4 (5)
Leading to permanent discontinuation	2 (3)
Treatment-related adverse events — no. (%)	
Any	71 (93)
Grade ≥3	7 (9)
Alanine aminotransferase increased	2 (3)
Neutropenia*	2 (3)
Neutrophil count decreased	2 (3)
Iron deficiency anemia	1 (1)
Cholangitis*	1 (1)
Serious	4 (5)
Leading to treatment interruption	53 (70)
Infusion-related reactions	48 (63)
Noninfusion-related-reaction adverse events	8 (11)
Leading to dose reduction	4 (5)
Leading to permanent discontinuation	0
Occurring in ≥20% of patients	
Infusion-related reactions	61 (80)
Nausea	23 (30)
Infusion-related reactions	
Cycle — no./total no. (%)†	
Cycle 1, week 1	59/76 (78)
Cycle 1, week 2	10/62 (16)
Cycle 1, week 3	12/60 (20)
Cycle 2	20/65 (31)
Cycle 3	8/56 (14)
Cycle 4	8/54 (15)
Cycle 5	4/46 (9)
Cycle 6	2/40 (5)
Grade ≥3 — no. (%)	0
Occurring in ≥20% of patients — no. (%)	
Pruritus	23 (30)
Rash	23 (30)
Urticaria	19 (25)

* One patient had both neutropenia and cholangitis.
† Shown are the numbers of patients with at least one infusion-related reaction that emerged during the cycle and week divided by the number of patients.

Molecular Glue: KRAS G12D ON state Tri-complex Inhibitors



- Phase 1 Study of Zoldonrasib in KRAS G12D PDAC
- N= 104. PO1200mg QD dose.
- Median 2 (0-6) previous treatments
- ORR was 30% (95% CI 8-47).

Zoldonrasib Treatment Related Adverse Events (TRAEs)

Maximum severity of TRAEs	Grade 1	Grade 2	Grade 3	Any Grade
	All Patients Treated with Zoldonrasib (N = 179)			
TRAEs occurring in ≥10% of patients, n (%)				
Nausea	48 (27%)	5 (3%)	0	53 (30%)
Diarrhea	24 (13%)	5 (3%)	0	29 (16%)
Vomiting	20 (11%)	6 (3%)	0	26 (15%)
Other select TRAEs, n (%)				
ALT increased	12 (7%)	0	1 (1%)	13 (7%)
AST increased	10 (6%)	1 (1%)	0	11 (6%)
Rash ^a	11 (6%)	0	0	11 (6%)
Stomatitis	0	0	0	0
TRAEs leading to dose reduction, n (%)	5 (3%)	0	0	5 (3%)
TRAEs leading to treatment discontinuation, n (%)	0	0	0	0
	Patients Treated with Zoldonrasib 1200 mg Daily (1200 mg QD, N = 60 or 600 mg BID, N = 39)			
TRAEs occurring in ≥10% of patients, n (%)				
Nausea	23 (23%)	4 (4%)	0	27 (27%)
Diarrhea	16 (16%)	4 (4%)	0	20 (20%)
Vomiting	13 (13%)	2 (2%)	0	15 (15%)
Rash ^a	10 (10%)	0	0	10 (10%)
Other select TRAEs, n (%)				
ALT increased	5 (5%)	0	1 (1%)	6 (6%)
AST increased	3 (3%)	1 (1%)	0	4 (4%)
Stomatitis	0	0	0	0
TRAEs leading to dose reduction, n (%)	4 (4%)	0	0	4 (4%)
TRAEs leading to treatment discontinuation, n (%)	0	0	0	0

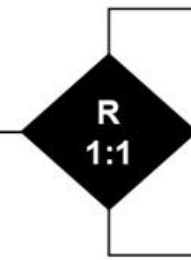
No treatment-related Grade 4 or 5 AEs or SAEs were reported

Daraxonrasib (RMC-6236) Multi-Selective Ras (ON) Inhibitor

Study Design

Key eligibility criteria:

- Adults with mPDAC
- One prior fluoropyrimidine- or gemcitabine-based regimen in the metastatic setting
- ECOG PS 0-1
- Documented tumor RAS mutational status^a by local testing



Daraxonrasib

300 mg, PO QD

Investigator's choice chemotherapy (1 of 4)

GnP, mFOLFIRINOX,
Nal-IRI + 5-FU/LV, FOLFOX

Dual primary endpoints

- OS and PFS^b (RAS G12 population)

Key secondary endpoints

- OS and PFS^b (overall population^c)
- ORR^b (RAS G12 and overall populations)
- TTD in PROs^d (RAS G12 and overall populations)

Stratification factors

- ECOG PS (0 vs 1)
- Metastatic disease at diagnosis (yes vs no)
- Liver metastases at baseline (yes vs no)
- Tumor RAS mutational status (RAS G12D/V vs other RAS G12 vs RAS G13 or Q61 mutation or no RAS mutation identified)

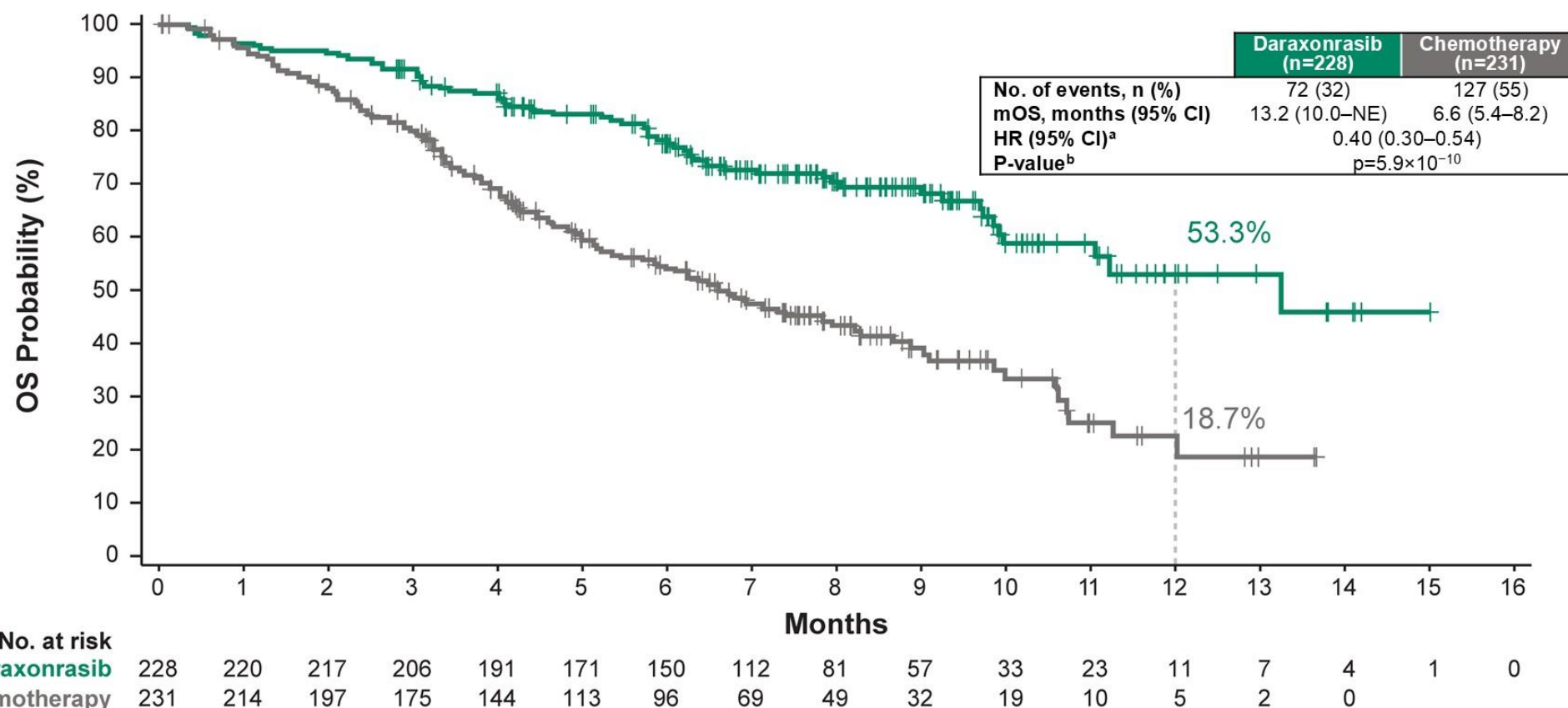
Global enrollment: 59 sites across 6 countries

NCT06625320.

5-FU, 5-fluorouracil; BICR, blinded independent central review; ECOG Eastern Cooperative Oncology Group; FOLFOX, leucovorin, 5-FU, and oxaliplatin; GnP, gemcitabine and nab-paclitaxel; LV, leucovorin; mFOLFIRINOX, modified 5-FU, irinotecan, leucovorin, and oxaliplatin; mPDAC, metastatic pancreatic adenocarcinoma; Nal-IRI, nanoliposomal irinotecan; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PO, oral administration; PRO, patient-reported outcome; PS, performance status; QD, once daily; RECIST, Response Evaluation Criteria in Solid Tumors; TTD, time to deterioration.

^aEither mutant, defined as nonsynonymous mutations in KRAS, NRAS, or HRAS at codons 12, 13, or 61 (G12, G13, or Q61), or no RAS mutation identified. ^bBy BICR per RECIST 1.1. ^cIncluding patients whose tumors harbor RAS G12, G13, or Q61 mutations, or had no RAS mutation identified. ^dTTD in symptom of pain and in global health status/quality of life.

Primary Endpoint: Overall Survival in the RAS G12 Population

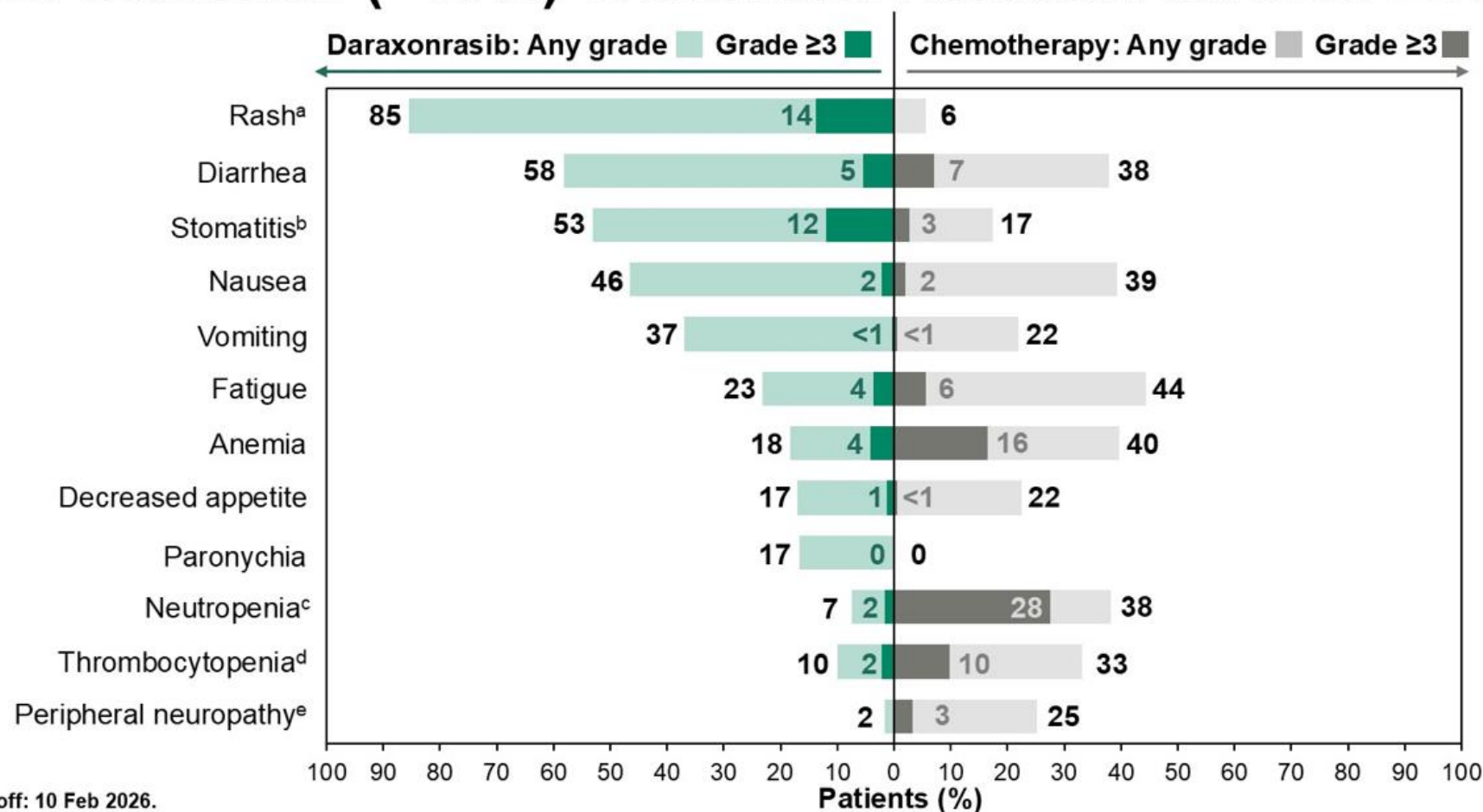


Data cutoff: 10 Feb 2026. Median (range) follow-up time was 8.5 (3.2–15.9) months.

m, median; NE, not estimable; OS, overall survival.

^aHRs and 95% CIs were based on the stratified Cox model with Efron's method of tie handling. ^bP-values were calculated using the stratified log-rank test.

Most Common (>15%) Treatment-Related Adverse Events



Data cutoff: 10 Feb 2026.

PT, preferred term.

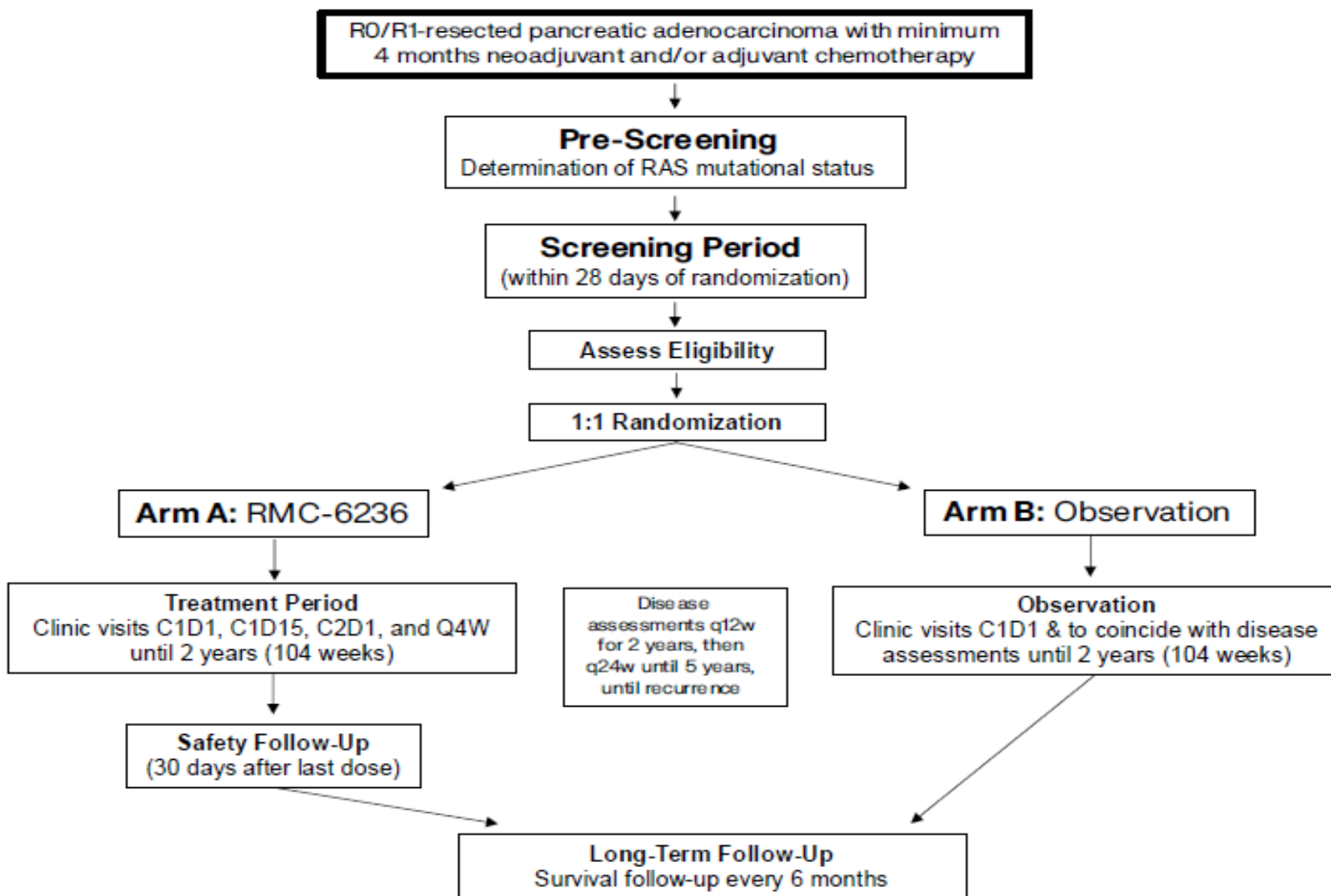
^aIncludes PTs of acne, butterfly rash, dermatitis, dermatitis acneiform, eczema, hand dermatitis, rash, rash erythematous, rash macular, rash maculo-papular, rash papular, rash pruritic, and skin ulcer. ^bIncludes PTs of aphthous ulcer, mucosal inflammation, mucosal ulceration, and stomatitis. ^cIncludes PTs of febrile neutropenia, leukopenia, neutropenia, neutrophil count decreased, and white blood cell count decreased. ^dIncludes PTs of platelet count decreased and thrombocytopenia.

^eIncludes PTs of neuralgia, neuropathy peripheral, peripheral motor neuropathy, peripheral sensory neuropathy, and polyneuropathy.

RASolute 304: Adjuvant Daraxonrasib vs observation in resected PDAC.



Figure 1: RMC-6236-304 Study Schema



Open and enrolling at Winship.

RAS targeting agents: selectivity and tolerability.

A

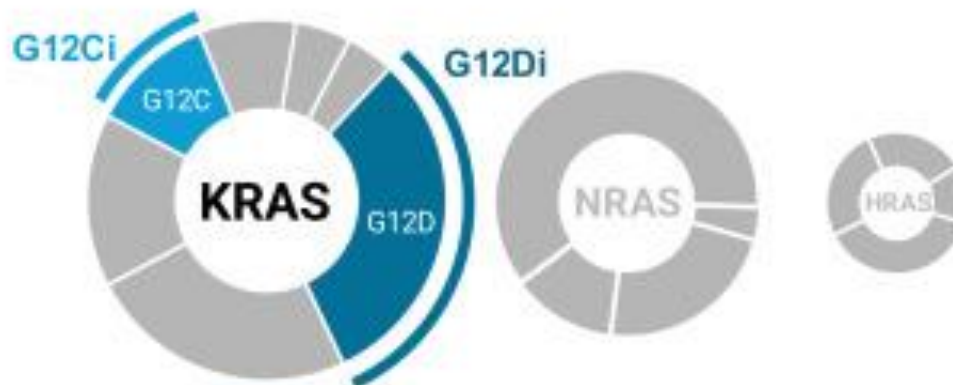
Mutant selective KRAS inhibitors

Hits

- only one specific KRAS mutant

Spares

- other KRAS mutants
- wild-type KRAS, NRAS, and HRAS



Isoform selective KRAS inhibitors

Hits

- wild-type and multiple KRAS mutants

Spares

- wild-type NRAS, and HRAS



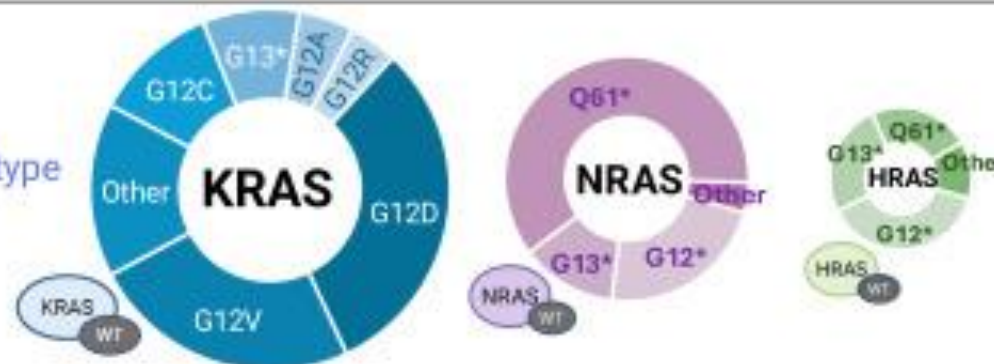
Pan RAS inhibitors

Hits

- all KRAS, NRAS and HRAS mutants and wild-type

Spares

- None



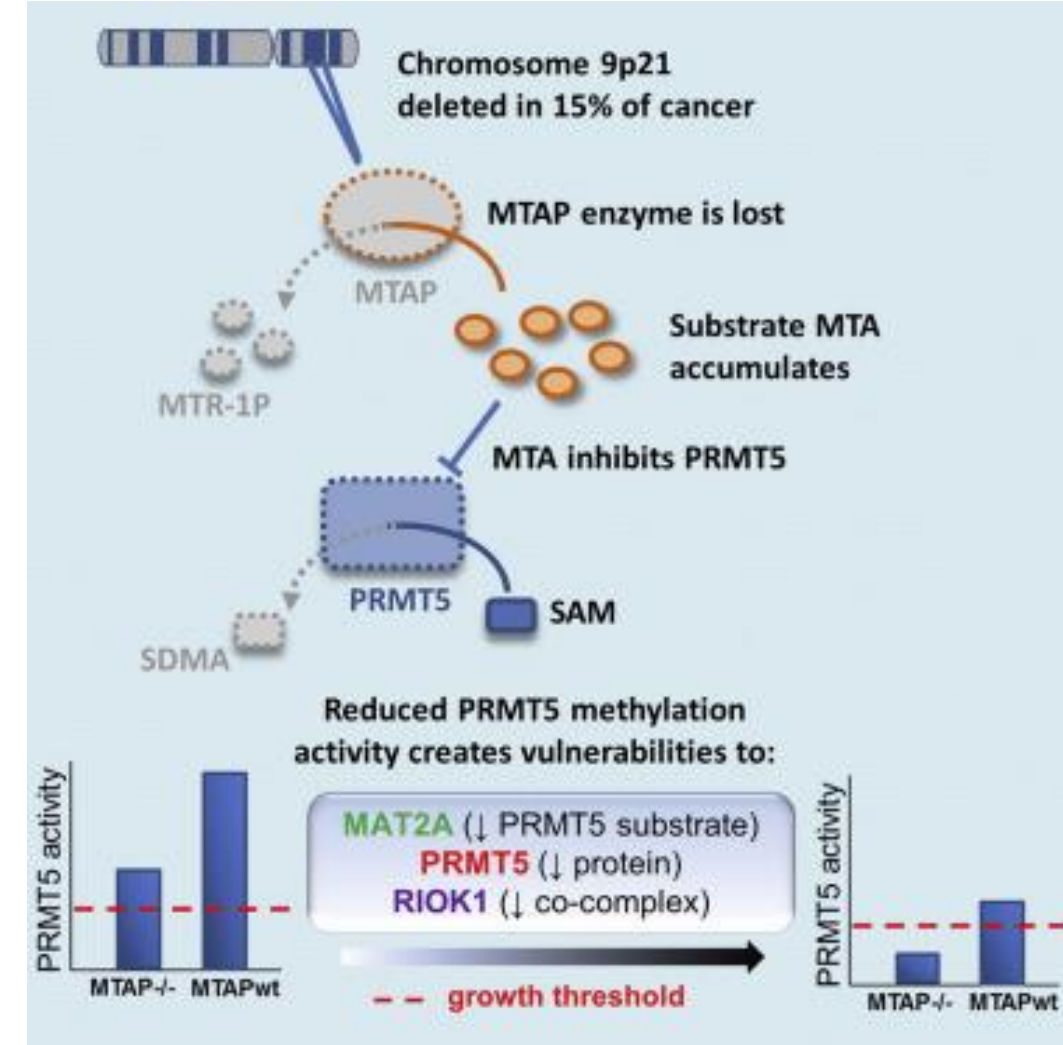
Sotorasib
Zoldonrasib
ASP3082
INC161734

BI3706674
AMG410

Daraxonrasib

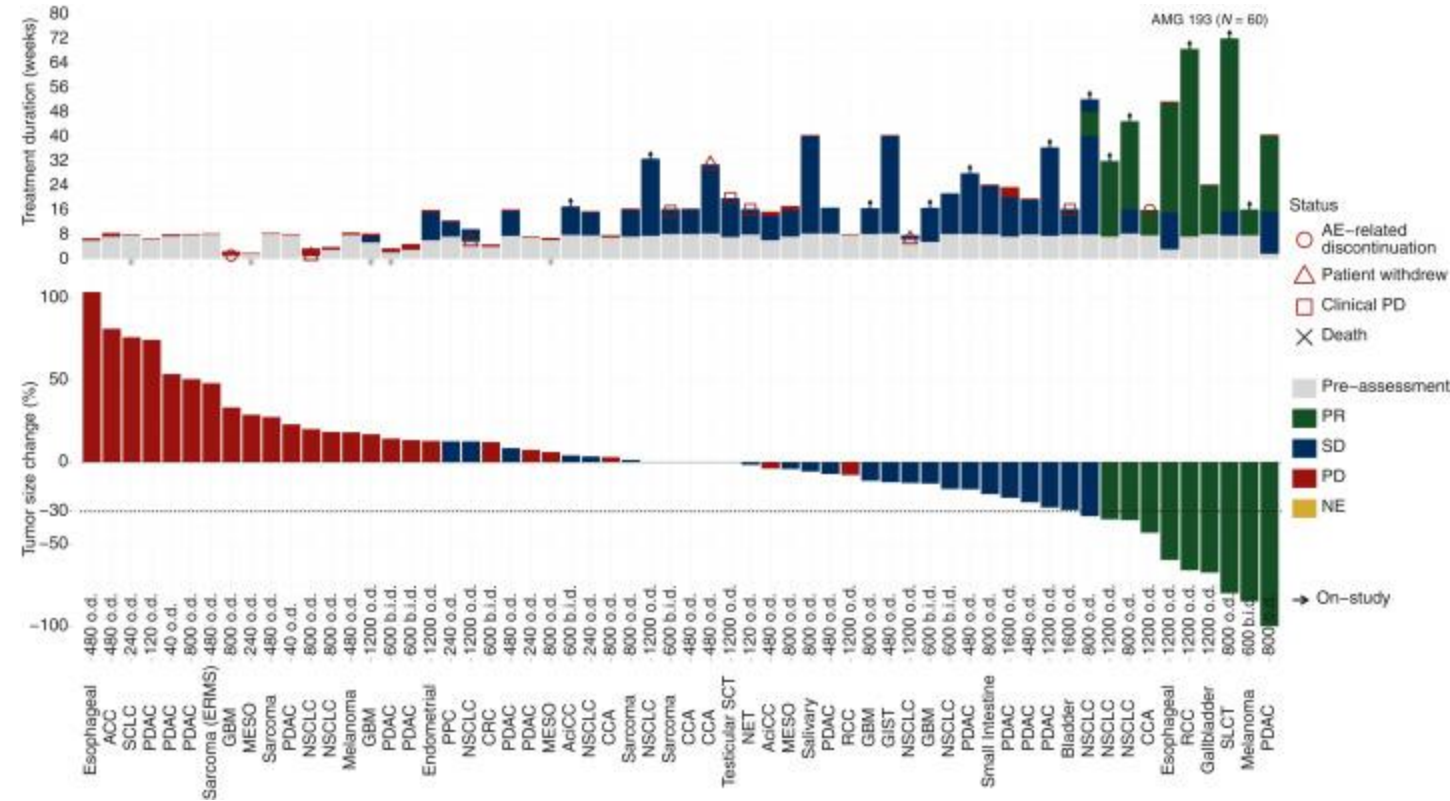
Other targets: Methylthioadenosine phosphorylase (MTAP) loss

- MTAP gene is adjacent to CDKN2A on # 9p21
- Co-deleted in ~35% of PDAC.
- Without MTAP, MTA accumulates and partially inhibits PRMT5 (an arginine methyltransferase).
- MTAP-deleted cells are dependent on residual PRMT5 activity — a synthetic-lethal vulnerability.
- MTA-cooperative PRMT5 inhibition a biomarker-selected, druggable target.



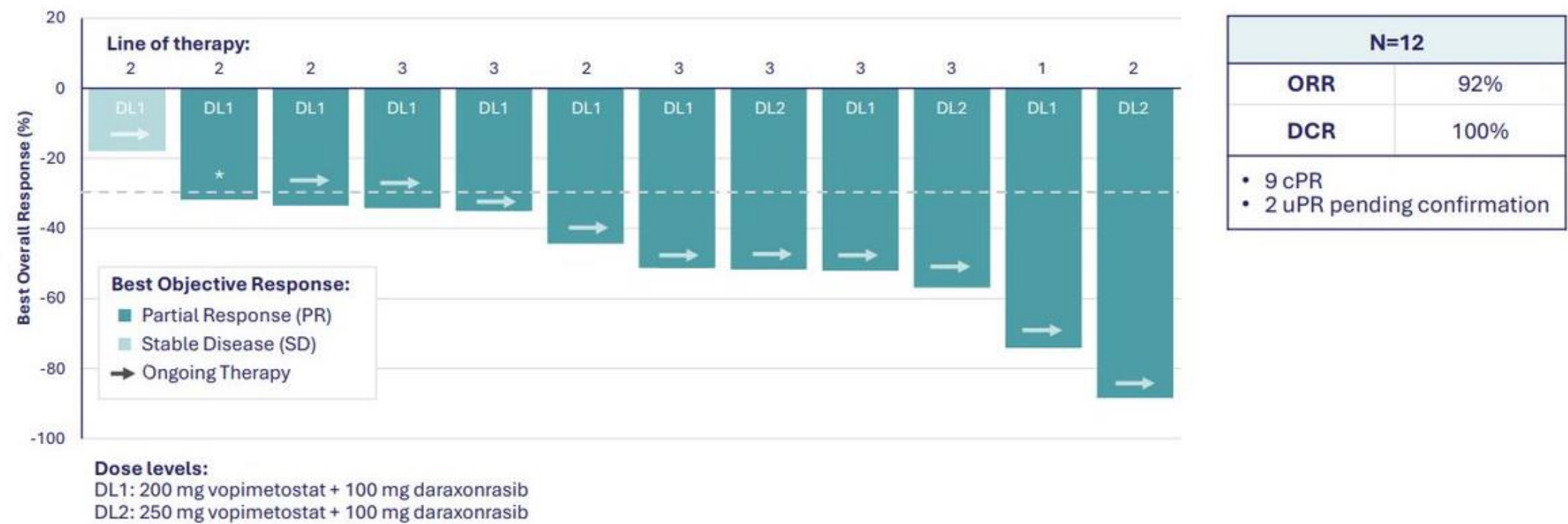
First-in-human study of AMG 193, an MTA-cooperative PRMT5 inhibitor, in patients with MTAP-deleted solid tumors: results from phase I dose exploration

- 80 patients with MTAP deleted tumors
- 19 patients (24%) PDAC
- ORR was 21.4%
- Median duration of response was 8.3 months
- Grade 3 or higher AE in 13.8%
- Grade 3 or higher cytopenias >10%

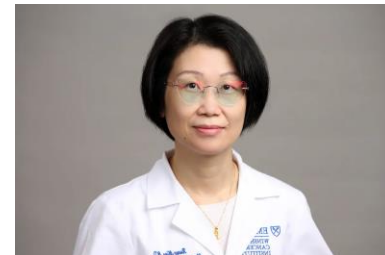


Targeting MTAP-deleted/KRAS mutant cancers using the combination of PRMT5 inhibitor and RAS (ON) inhibitor

Daraxonrasib 100mg QD + Vopimetostat 200mg/250mg QD



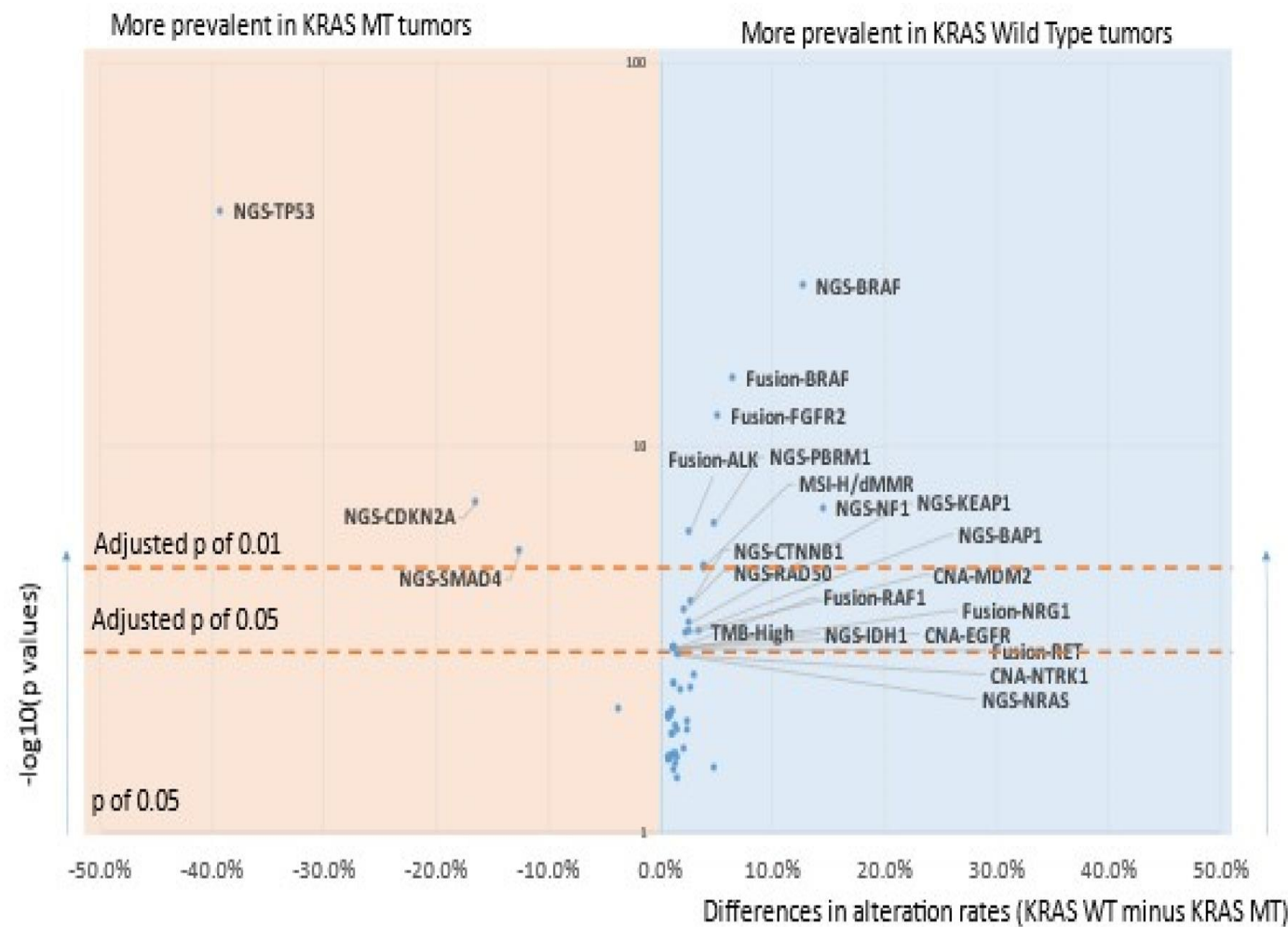
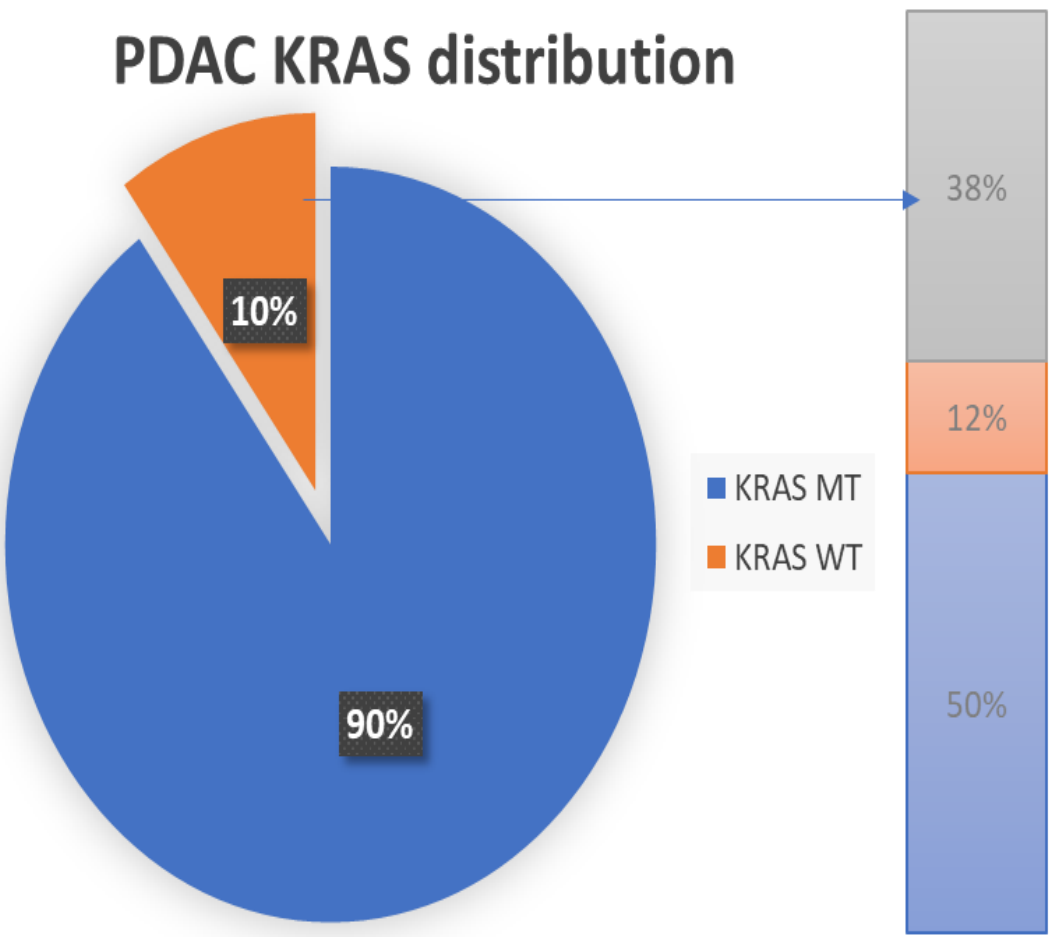
Data extract 28 May 2026. Dashed line indicates threshold for PR (-30%). Objective response rate per RECIST v1.1 includes patients who received first dose of the study drug at least 14 weeks prior to the data extract to allow for 2 post-baseline scans. Median duration of follow-up 6.8 months (3.3 - 9.7). *Patient discontinued due to non-compliance. Disease control rate (DCR) defined as fraction of patients with overall response of SD, PR, or CR at the time of the first scheduled scan. PDAC, pancreatic ductal adenocarcinoma; ORR, objective response rate; DCR, disease control rate; 2/3L, second/third line.



MountainTAP-30: A Study Comparing Navlimetostat (BMS-986504) in Combination With Nab-paclitaxel and Gemcitabine Versus Placebo in Combination With Nab-paclitaxel and Gemcitabine in Participants With Untreated Metastatic Pancreatic Ductal Adenocarcinoma With Homozygous MTAP Deletion

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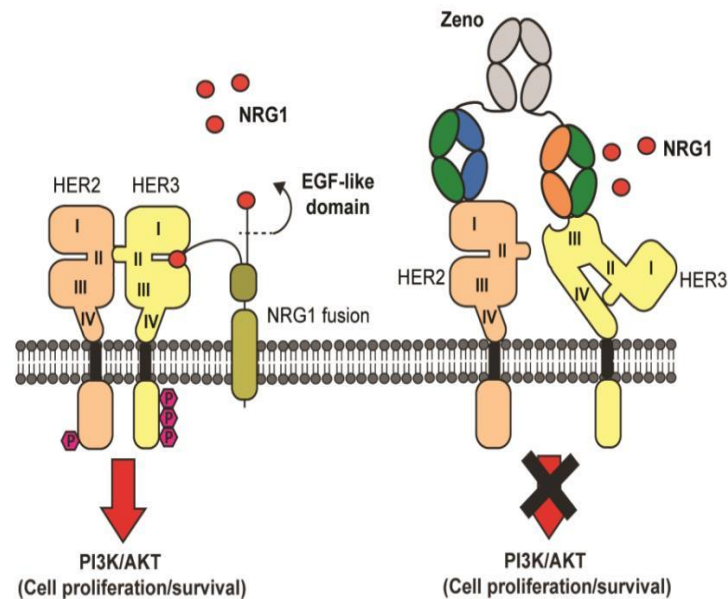
Therapeutic opportunities in KRAS WT PDAC



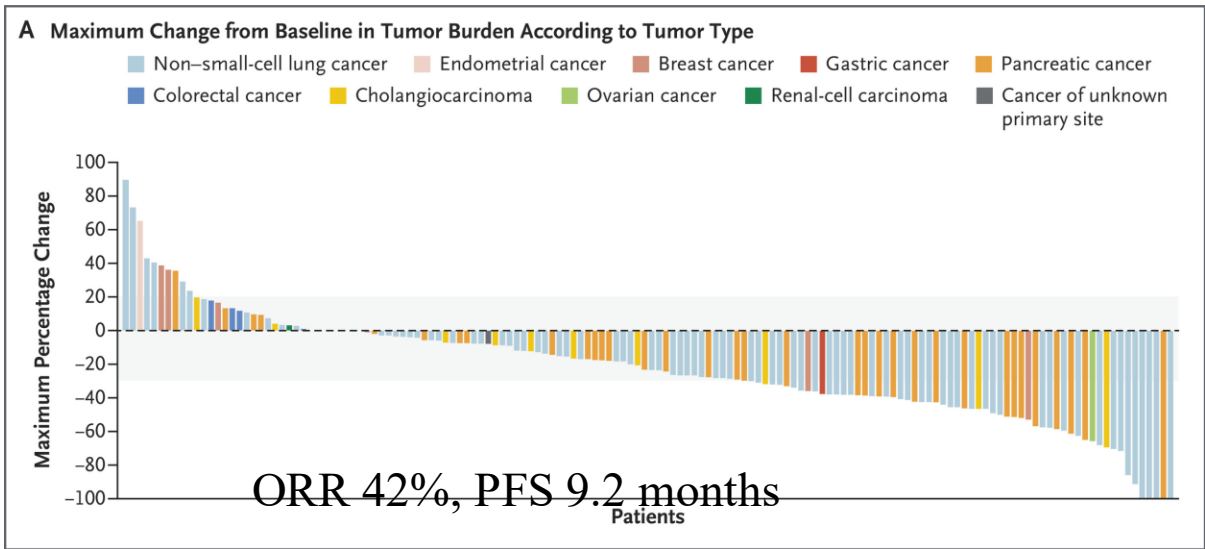
■ Others ■ Kinase fusion ■ MAPK pathway alterations

Efficacy of Zenocutuzumab in NRG1 Fusion-Positive Cancer

Phase 2 eNRGy study

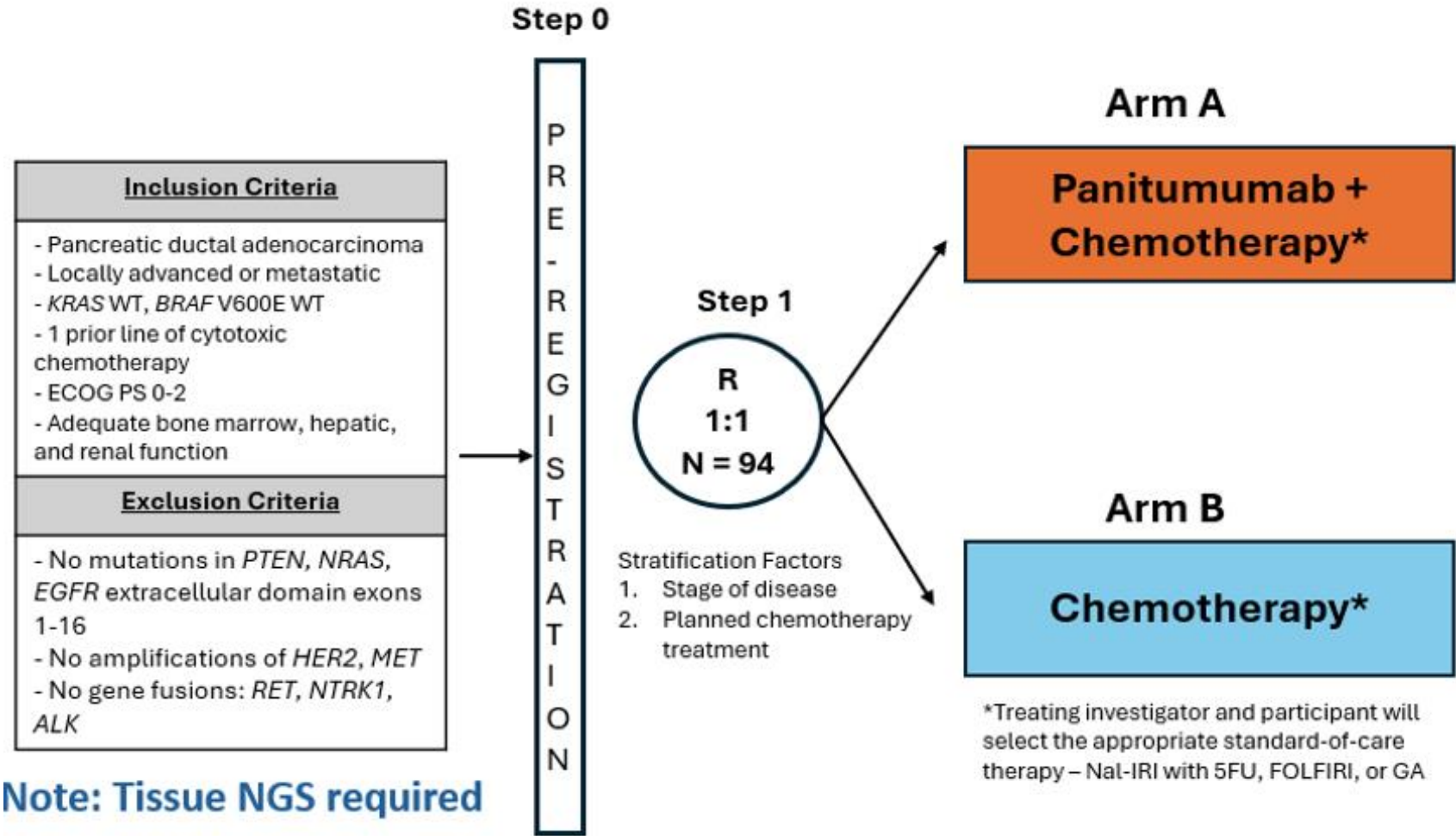


- Neuregulin 1 (NRG1) fusion is present in 0.5% to 1% of PDAC
- NRG1 binds HER3 and activates proliferation via HER2 heterodimerization
- Zenocutuzumab is a bispecific antibody against HER2 and HER3



Tumor Type	Investigator Assessment			Blinded Independent Central Review		
	Overall Response†		Median Duration of Response (Range)‡	Overall Response†		Median Duration of Response (Range)‡
	no./total no.	% (95% CI)		no./total no.	% (95% CI)	
All NRG1 fusion-positive tumor types§	47/158	30 (23 to 37)	11.1 (1.7+ to 29.5+)	50/160	31 (24 to 39)	11.5 (1.9+ to 29.5+)
Non-small-cell lung cancer	27/93	29 (20 to 39)	12.7 (1.8+ to 29.5+)	29/94	31 (22 to 41)	13.4 (1.9+ to 29.5+)
Pancreatic cancer	15/36	42 (25 to 59)	7.4 (2.1+ to 20.7)	16/36	44 (28 to 62)	9.1 (1.9+ to 16.6)
Cholangiocarcinoma	2/10	20 (2 to 56)	9.2 (7.4 to 11.1)	2/10	20 (2 to 56)	8.3 (3.7 to 12.9)
Breast cancer	1/7¶	14	1.7+	0/8	0	NA
Colorectal cancer	0/6	0	NA	1/6¶	17	11.7
Cancer of unknown primary site	0/2	0	NA	0/2	0	NA
Endometrial cancer	0/1	0	NA	0/1	0	NA
Gastric cancer	1/1¶	100	1.9+	1/1¶	100	1.9+
Ovarian cancer	1/1¶	100	12.8	1/1¶	100	12.8+
Renal-cell carcinoma	0/1	0	NA	0/1	0	NA

SWOG S2433: Randomized Phase III Study of Second-Line Chemotherapy with or without Panitumumab for Locally Advanced or Metastatic KRAS Wild Type PDAC



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Key Takeaway Points

- **All patients** with pancreatic cancer should undergo comprehensive tumor genomic testing. *NCCN, 03/2026*.
- Multiple RAS-targeting strategies, including mutant specific (G12C, G12D), pan-KRAS and multi-RAS ON inhibitors, have now shown clinical activity in pancreatic cancer.
- The next frontier is overcoming resistance through rational combination strategies, such as with EGFR directed therapy, PRMT5, and ICI.