

GI SLIDE DECK 2022

Selected abstracts from:

2022 ASCO® GI Cancers Symposium
20–22 January 2022



2022 ASCO® Annual Meeting
3–7 June 2022



Letter from ESDO

DEAR COLLEAGUES

It is our pleasure to present this ESDO slide set which has been designed to highlight and summarize key findings in digestive cancers from the major congresses in 2022. This slide set specifically focuses on the **2022 ASCO® GI Cancers Symposium** and **2022 ASCO® Annual Meeting** and is available in English and Japanese.

The area of clinical research in oncology is a challenging and ever changing environment. Within this environment, we all value access to scientific data and research which helps to educate and inspire further advancements in our roles as scientists, clinicians and educators. I hope you find this review of the latest developments in digestive cancers of benefit to you in your practice. If you would like to share your thoughts with us we would welcome your comments. Please send any correspondence to info@esdo.eu.

Finally, we are also very grateful to Lilly Oncology for their financial, administrative and logistical support in the realization of this activity.

Yours sincerely,

Eric Van Cutsem
Thomas Seufferlein
Côme Lepage

(ESDO Governing Board)

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Thomas Gruenberger

Jean-Luc Van Laethem
Ana-Maria Bucalau (Young Group)
Pieter-Jan Cuyle (Young Group)



european society of digestive oncology

ESDO Medical Oncology Slide Deck

Editors 2022

COLORECTAL CANCERS

| | |
|-------------------------|--|
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PANCREATIC CANCER AND HEPATOBILIARY TUMOURS

| | |
|---------------------------|---|
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| Prof Thomas Seufferlein | Clinic of Internal Medicine I, University of Ulm, Ulm, Germany |
| Dr Ann-Maria Bucalau | Digestive Oncology, Erasme University Hospital, Brussels, Belgium |



GASTRO-OESOPHAGEAL AND NEUROENDOCRINE TUMOURS

| | |
|----------------------|---|
| Prof Côme Lepage | University Hospital & INSERM, Dijon, France |
| Prof Tamara Matysiak | Hepato-Gastroenterology & Digestive Oncology, Institute of Digestive Diseases, Nantes, France |
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BIOMARKERS

| | |
|-------------------------|---|
| Prof Eric Van Cutsem | Digestive Oncology, University Hospitals, Leuven, Belgium |
| Prof Thomas Seufferlein | Clinic of Internal Medicine I, University of Ulm, Ulm, Germany |
| Dr Pieter-Jan Cuyle | Department of Digestive Oncology, Imelda General Hospital, Bonheiden, Belgium |



Glossary

| | | | | | |
|--------|--|---------------|---|----------|--|
| 1L | first-line | ETD | early treatment discontinuation | OR | odds ratio |
| 2L | second-line | FLOT | docetaxel + oxaliplatin + leucovorin + 5-flouraci | (m)OS | (median) overall survival |
| 5FU | 5-fluouracil | FOLFIRI | irinotecan + 5-fluouracil + folinic acid | PBO | placebo |
| ACT | adjuvant chemotherapy | (m)FOLFIRINOX | (modified) oxaliplatin + irinotecan+ leucovorin + | pCR | pathological complete response |
| AE | adverse event | [or mFFX] | 5-fluorouracil | PCR | polymerase chain reaction |
| ALT | alanine aminotransferase | (m)FOLFOX | (modified) leucovorin + 5-fluorouracil + oxaliplatin | PD | progressive disease |
| AST | aspartate aminotransferase | (m)FOLFOXIRI | (modified) oxaliplatin + irinotecan + 5-fluoruracil + | PDAC | pancreatic ductal adenocarcinoma |
| Atezo | atezolizumab | FU | folinic acid | PD-(L)1 | programmed death (-ligand) 1 |
| Bev | bevacizumab | GEJ | follow-up | Pembro | pembrolizumab |
| BID | twice daily | Gem | gastro-esophageal junction | (m)PFS | (median) progression-free survival |
| BCLC | Barcelona Clinic Liver Cancer | GGT | gemcitabine | Pos | positive |
| BOR | best overall response | GI | gamma-glutamyltransferase | PR | partial response |
| BSC | best supportive care | Gy | gastrointestinal | PS | performance status |
| CAPOX | capecitabine + oxaliplatin | HBV | Gray | PTR | primary tumor resection |
| Cetux | cetuximab | HCC | hepatitis B virus | PVE | portal vein embolization |
| CBR | clinical benefit rate | HR | hepatocellular carcinoma | q(2/3)4w | every (2/3/4) week(s) |
| CF | 5-fluorouracil + cisplatin | HRQoL | hazard ratio | QoL | quality of life |
| Chemo | chemotherapy | ID | health-related quality of life | R | randomized |
| CI | confidence interval | IP | identification | R0/1/x | resection 0, 1 x |
| Cis | cisplatin | ITT | irinotecan + cisplatin | RAS | rat sarcoma virus |
| CPS | combined positive score | KRAS | intent-to-treat | RECIST | Response Evaluation Criteria In Solid Tumors |
| CR | complete response | LDH | Ki-ras2 Kirsten rat sarcoma viral oncogene homolog | Ref | reference |
| CRC | colorectal cancer | Nimo | lactate dehydrogenase | RFS | recurrence-free survival |
| CRM | circumferential resection margin | mAb | nimotuzumab | RP2D | recommended phase 2 dose |
| CRT | chemoradiotherapy | MAPK | monoclonal antibody | RR | response rate |
| CT | chemotherapy | mCRC | mitogen-activated protein kinase | RT | radiotherapy |
| ctDNA | circulating tumor DNA | mo | metastatic colorectal cancer | SAE | serious adverse event |
| D | day | MRD | months | SD | stable disease |
| DCF | docetaxel + cisplatin + 5-fluorouracil | MRI | molecular residual disease | SoC | standard of care |
| DCR | disease control rate | MSI(-H) | magnetic resonance imaging | TACE | transarterial chemoembolization |
| (m)DDC | (median) duration of disease control | MSS | (high) microsatellite instability | TEAE | treatment-emergent adverse event |
| DFS | disease-free survival | NA | microsatellite stable | TFS | treatment-free survival |
| dMMR | deficient mismatch repair | Nal-IRI | not available | TRAE | treatment-related adverse event |
| (m)DoR | (median) duration of response | NE | liposomal irinotecan | TRG | tumor regression grade |
| Durv | durvalumab | Neg | not evaluable/estimable | (m)TPP | (median) time to progression |
| ECOG | Eastern Cooperative Oncology Group | Neo | negative | (m)TTR | (median) time to response |
| EFS | event-free survival | NGS | neoadjuvant | WBC | white blood cell |
| EGFR | epidermal growth factor receptor | NR | next generation sequencing | WHO | World Health Organization |
| EOD | early oxaliplatin discontinuation | ORR | not reached | WT | wild-type |
| EP | etoposide + cisplatin | | overall/objective response rate | yr | year |

Mechanism of action for new molecules

| Molecule | Mechanism of action | |
|-------------|--|---|
| Eryaspase | Asparaginase encapsulated in red blood cells | Induces the degradation of asparagine and glutamine involved in cancer cell growth and survival |
| Adagrasib | KRAS G12C inhibitor | Irreversibly and selectively binds KRAS G12C locking it in its inactive state with KRAS being a key mediator of the RAS/MAPK signaling |
| Sintilimab | Human IgG4 monoclonal antibody | Binds to the programmed cell death receptor, PD-1, which blocks the PD-1/PD-L1 pathway and reactivates T-cells to kill cancer cells |
| Nimotuzumab | Human anti-EGFR monoclonal antibody | Disrupts the interaction of EGFR with its ligand to block the EGFR signalling pathway, mediates antibody-dependent cell cytotoxicity, complement dependent-cytotoxicity and other immune effects, induce EGFR endocytosis and degradation |
| Dostarlimab | Human IgG4 monoclonal antibody | Binds to the programmed cell death receptor, PD-1, which blocks the PD-1/PD-L1 pathway and reactivates T-cells to kill cancer cells |

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CANCERS OF THE OESOPHAGUS AND STOMACH

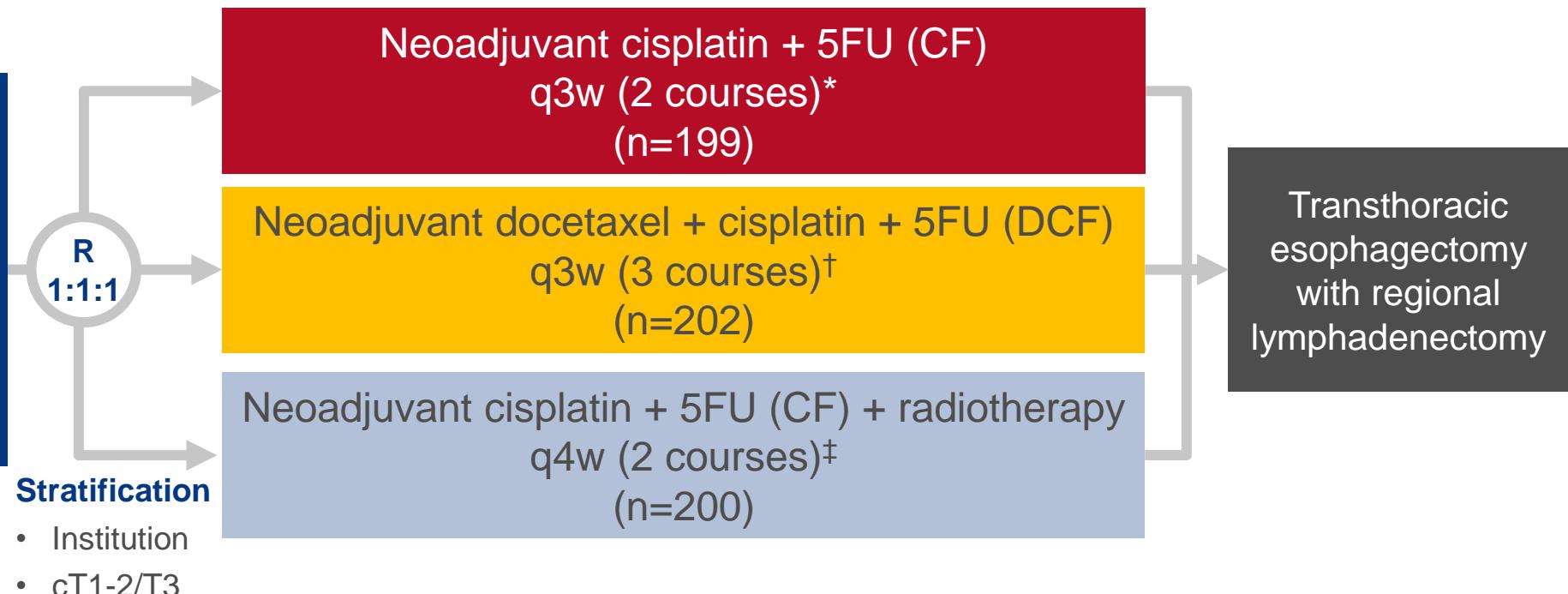
238: A randomized controlled phase III trial comparing two chemotherapy regimen and chemoradiotherapy regimen as neoadjuvant treatment for locally advanced esophageal cancer, JCOG1109 NExT study – Kato K, et al

Study objective

- To evaluate the efficacy and safety of neoadjuvant chemotherapy or chemoradiotherapy regimens in patients with locally advanced esophageal squamous cell carcinoma in Japanese centers in the JCOG1109 NExT study

Key patient inclusion criteria

- Locally advanced esophageal squamous cell cancer
 - cStage IB, II, III (nonT4)
 - R0 esophagectomy expected
 - ECOG PS 0–1
- (n=601)



PRIMARY ENDPOINT

- OS

SECONDARY ENDPOINTS

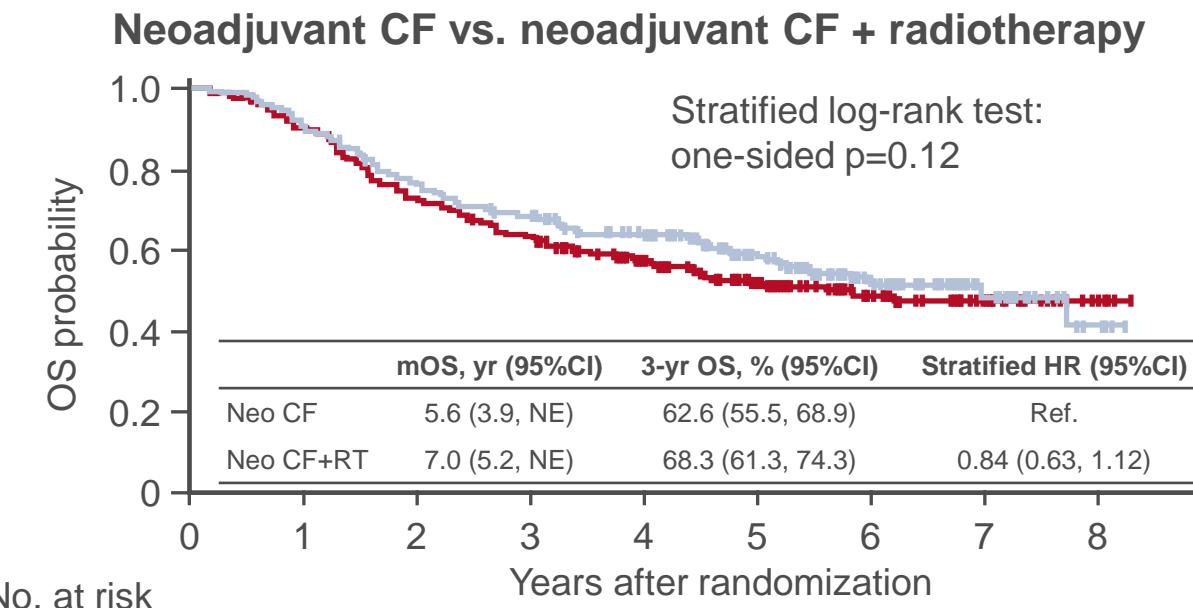
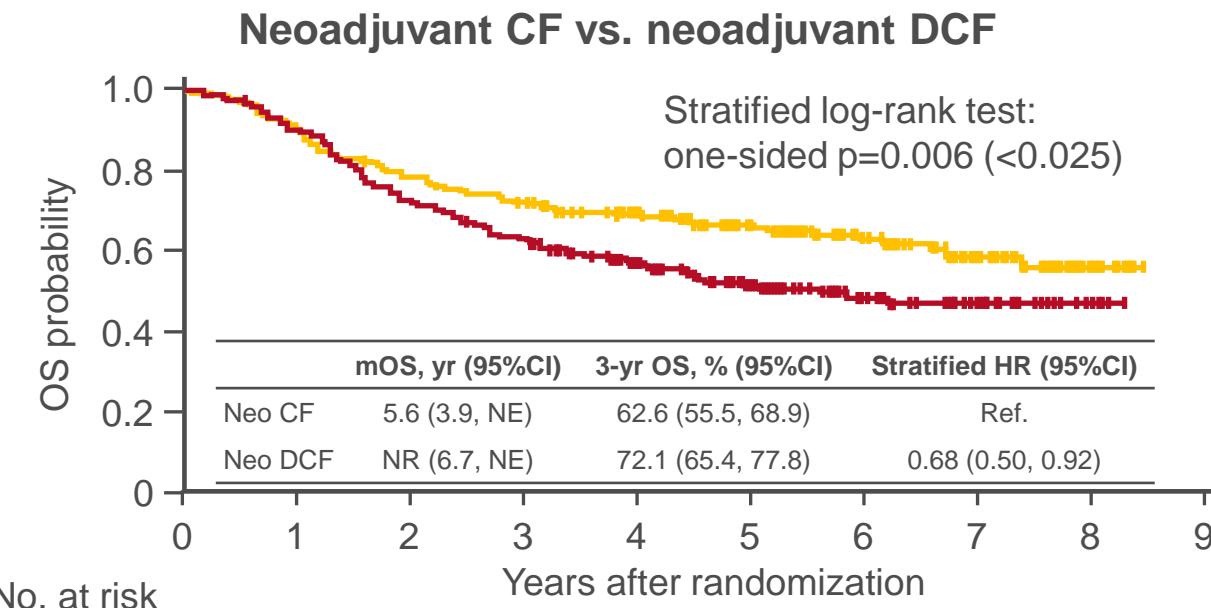
- PFS, R0 resection rate, RR, pCR, safety

*Cisplatin 80 mg/m² D1 + 5FU 800 mg/m² D1–5; †docetaxel 70 mg/m² D1 + cisplatin 70 mg/m² D1 + 5FU 750 mg/m² D1–5; ‡cisplatin 75 mg/m² D1 + 5FU 1000 mg/m² D1–4 + radiotherapy 41.4 Gy

238: A randomized controlled phase III trial comparing two chemotherapy regimen and chemoradiotherapy regimen as neoadjuvant treatment for locally advanced esophageal cancer, JCOG1109 NExT study – Kato K, et al

Key results

Overall survival



238: A randomized controlled phase III trial comparing two chemotherapy regimen and chemoradiotherapy regimen as neoadjuvant treatment for locally advanced esophageal cancer, JCOG1109 NExT study – Kato K, et al

Key results (cont.)

| | Neo CF (n=199) | Neo DCF (n=202) | Neo CF + RT (n=200) | Grade 3–4 AEs during neoadjuvant treatment occurring in ≥10%, % | Neo CF (n=193) | Neo DCF (n=196) | Neo CF + RT (n=191) |
|--------------------------|-------------------|--------------------|------------------------|---|-------------------|--------------------|------------------------|
| mPFS, yr (95%CI) | 2.7 (1.8, 4.8) | NR (5.2, NE) | 5.3 (3.4, NE) | | | | |
| HR (95%CI) | Ref | 0.67 (0.51, 0.88) | 0.77 (0.59, 1.01) | | | | |
| Surgical outcomes, n | 188 | 185 | 178 | | | | |
| R0, n (%) | 168 (90.3) | 173 (94.5) | 175 (98.9) | | | | |
| Underwent surgery, n | 186 | 183 | 177 | | | | |
| pCR, n (%) | 4 (2.2) | 34 (18.6) | 65 (36.7) | | | | |
| No residual tumor, n (%) | 4 (2.2) | 40 (21.9) | 77 (43.5) | | | | |
| Leukocytopenia | | | | 6.7 | 63.8 | 53.9 | |
| Neutropenia | | | | 23.4 | 85.2 | 44.5 | |
| Hyponatremia | | | | 6.2 | 26.0 | 11.0 | |
| Febrile neutropenia | | | | 1.0 | 16.3 | 4.7 | |
| Appetite loss | | | | 8.3 | 21.4 | 14.7 | |

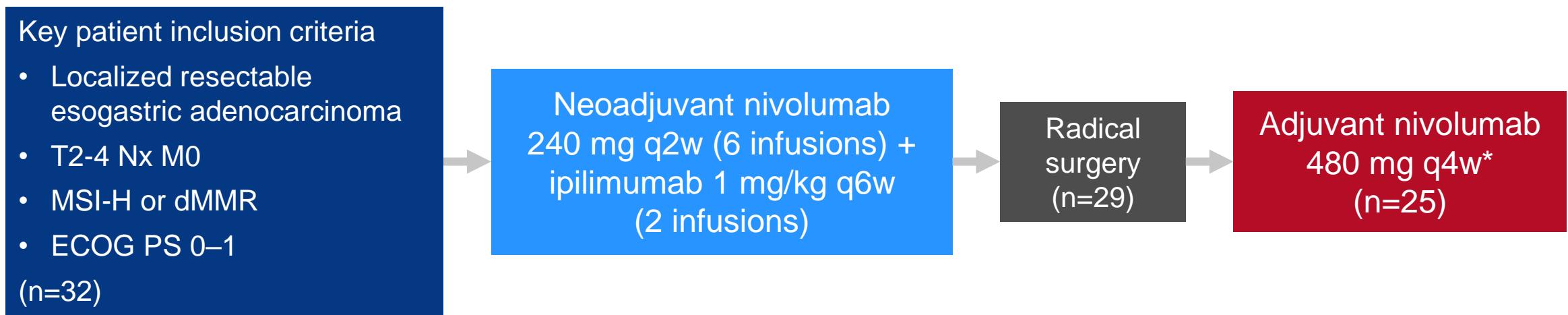
Conclusions

- In patients with locally advanced esophageal squamous cell carcinoma, neoadjuvant DCF, but not neoadjuvant CF + radiotherapy, significantly improved OS compared with neoadjuvant CF and had a manageable safety profile

244: Neoadjuvant nivolumab plus ipilimumab and adjuvant nivolumab in patients (pts) with localized microsatellite instability-high (MSI)/mismatch repair deficient (dMMR) oeso-gastric adenocarcinoma (OGA): The GERCOR NEONIPIGA phase II study – André T, et al

Study objective

- To evaluate the efficacy and safety of neoadjuvant nivolumab + ipilimumab and adjuvant nivolumab in patients with localized MSI-H or dMMR esogastric adenocarcinoma in French centers in the phase 2 GERCOR NEONIPIGA study



PRIMARY ENDPOINT

- pCR

SECONDARY ENDPOINTS

- EFS, OS, safety

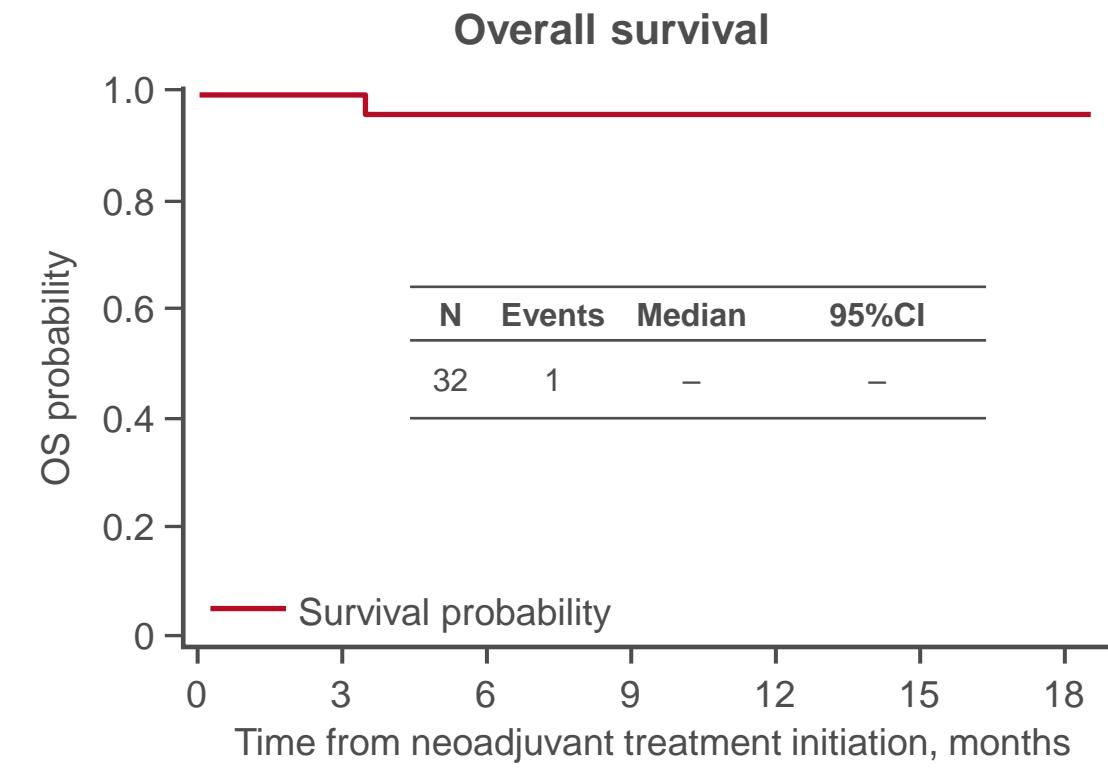
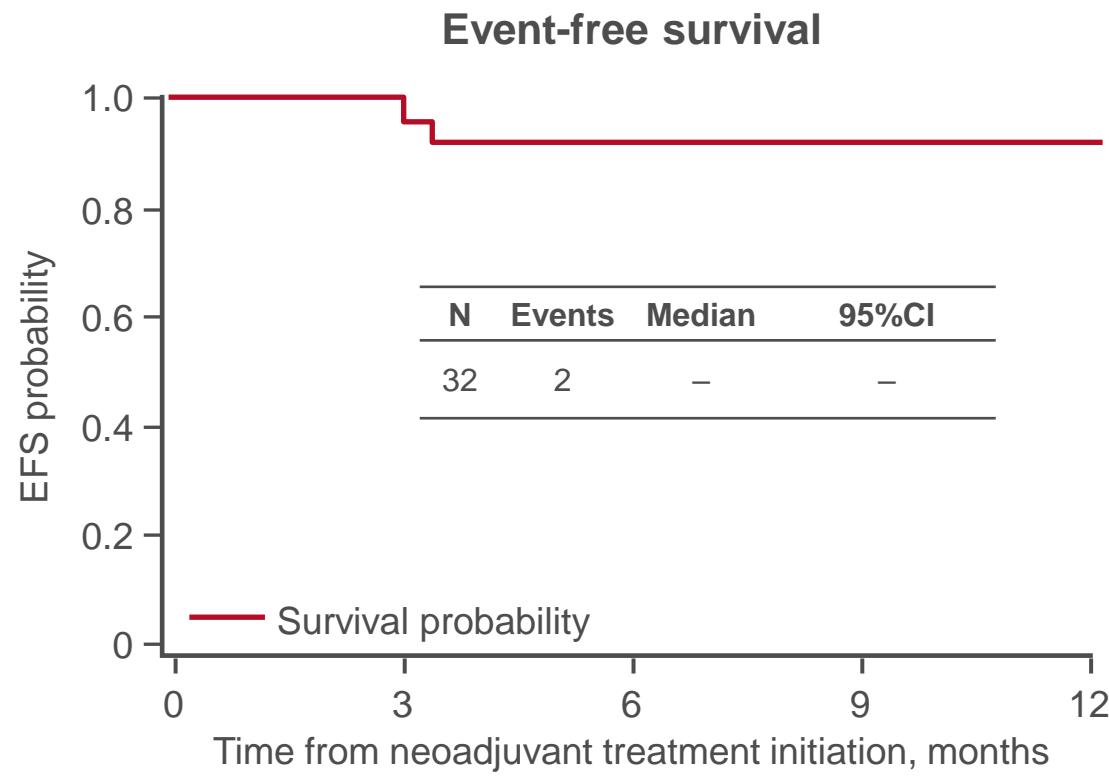
*Only patients with Becker tumor regression grade <3 received adjuvant nivolumab

André T, et al. J Clin Oncol 2022;40(suppl):abstr 244

244: Neoadjuvant nivolumab plus ipilimumab and adjuvant nivolumab in patients (pts) with localized microsatellite instability-high (MSI)/mismatch repair deficient (dMMR) oeso-gastric adenocarcinoma (OGA): The GERCOR NEONIPIGA phase II study – André T, et al

Key results

- pCR was achieved by 17 of 29 (58.6%) patients



244: Neoadjuvant nivolumab plus ipilimumab and adjuvant nivolumab in patients (pts) with localized microsatellite instability-high (MSI)/mismatch repair deficient (dMMR) oeso-gastric adenocarcinoma (OGA): The GERCOR NEONIPIGA phase II study – André T, et al

Key results (cont.)

| Grade 3–4 AEs during neoadjuvant therapy, n (%) | n=32 | Per and/or post-op complications, n (%) | n=29 |
|---|--------|---|-----------|
| Any TRAE | 8 (25) | Yes | 17 (58.5) |
| Led to discontinuation | 5 (16) | Fistula | 6 (27) |
| Colitis/ileitis | 2 (6) | Pancreatitis | 3 (14) |
| Hepatitis | 2 (6) | Ileus | 2 (9) |
| Decreased appetite | 2 (6) | Pneumonia | 2 (9) |
| Other | 2 (6) | Atrial fibrillation | 2 (9) |
| Diarrhea | 1 (3) | Death | 1 (4.5) |
| Adrenal insufficiency/hypophysitis | 1 (3) | Other | 6 (27) |
| Vomiting | 1 (3) | | |

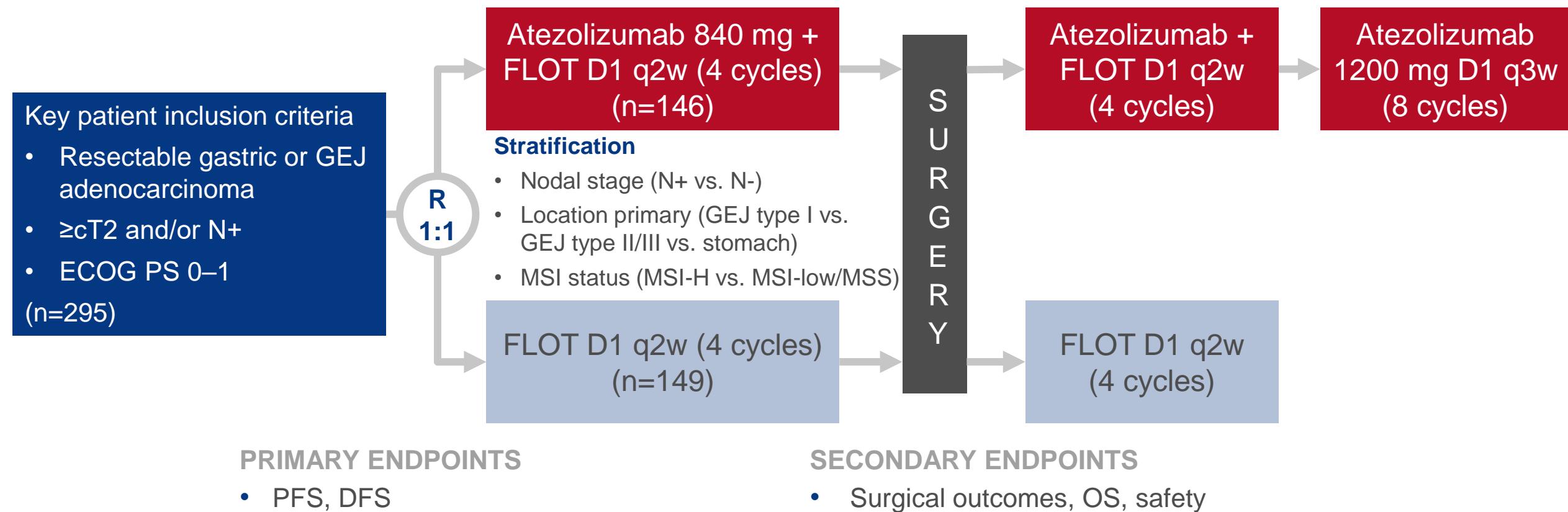
Conclusions

- In patients with MSI-H or dMMR esogastric adenocarcinoma, neoadjuvant nivolumab + ipilimumab followed by adjuvant nivolumab was associated with high pCR rates (58.6%) and there were no new safety concerns

4003: Surgical and pathological outcome, and pathological regression, in patients receiving perioperative atezolizumab in combination with FLOT chemotherapy versus FLOT alone for resectable esophagogastric adenocarcinoma: Interim results from DANTE, a randomized, multicenter, phase IIb trial of the FLOT-AIO German Gastric Cancer Group and Swiss SAKK – Al-Batran S-E, et al

Study objective

- To evaluate the efficacy and safety of atezolizumab + FLOT in patients with resectable esophagogastric adenocarcinoma in German and Swiss centers in the phase 2b DANTE study (interim analysis)



FLOT, docetaxel 50 mg/m² + oxaliplatin 85 mg/m² + leucovorin 200 mg/m² + 5FU 2600 mg/m² D1 IV

Al-Batran S-E, et al. J Clin Oncol 2022;40(suppl):abstr 4003

4003: Surgical and pathological outcome, and pathological regression, in patients receiving perioperative atezolizumab in combination with FLOT chemotherapy versus FLOT alone for resectable esophagogastric adenocarcinoma: Interim results from DANTE, a randomized, multicenter, phase IIb trial of the FLOT-AIO German Gastric Cancer Group and Swiss SAKK – Al-Batran S-E, et al

Key results

| AEs, n (%) | Atezolizumab + FLOT (n=144) | FLOT (n=148) | Surgical morbidity/ mortality, n (%) | Atezolizumab + FLOT (n=141) | FLOT (n=143) |
|---|--------------------------------|-----------------|---|--------------------------------|-----------------|
| Any grade 3–4 | 130 (90) | 125 (85) | Median hospitalization, days | 16 | 15 |
| Any grade 5 | 7 (5) | 8 (5) | Complications | 64 (45) | 60 (42) |
| SAE | 99 (69) | 98 (66) | Surgical | 25 (18) | 26 (18) |
| Treatment-related SAE | 60 (42) | 46 (31) | Medical | 35 (25) | 27 (19) |
| Treatment-related grade 3–4 | 51 (35) | 31 (21) | Both | 4 (3) | 7 (5) |
| Treatment-related led to death | 1 (<1) | 2 (1) | Re-operation | 14 (10) | 16 (11) |
| Surgical and margin-free resection, n (%) | Atezolizumab + FLOT (n=146) | FLOT (n=149) | Death in hospital | 4 (3) | 3 (2) |
| | | | Death 60 days | 4 (3) | 3 (2) |
| Resectional tumor surgery | 141 (97) | 143 (96) | | | |
| | | | | | |
| | | | | | |
| Margin-free (R0) resection Among those having surgery ITT | 135 (96) | 136 (95) | | | |
| | | | | | |
| | | | | | |
| Lymph nodes removed, median (25%, 75% quartile) | 30 (5–139) | 29 (11–81) | | | |

4003: Surgical and pathological outcome, and pathological regression, in patients receiving perioperative atezolizumab in combination with FLOT chemotherapy versus FLOT alone for resectable esophagogastric adenocarcinoma: Interim results from DANTE, a randomized, multicenter, phase IIb trial of the FLOT-AIO German Gastric Cancer Group and Swiss SAKK – Al-Batran S-E, et al

Key results

| Pathological regression*, n (%) | Local assessment | | | | | Central assessment | | | |
|------------------------------------|------------------|---------|--------------|---------|--------------|--------------------|--------------|---------|--|
| | TRG1a | | TRG1a/b | | TRG1a | | TRG1a/b | | |
| | Atezo + FLOT | FLOT | Atezo + FLOT | FLOT | Atezo + FLOT | FLOT | Atezo + FLOT | FLOT | |
| All patients (n=295; 146/149) | 35 (24) | 23 (15) | 71 (49) | 58 (39) | 37 (25) | 36 (24) | 72 (49) | 66 (44) | |
| PD-L1 CPS ≥1 (n=170; 82/88) | 20 (24) | 13 (15) | 42 (51) | 40 (46) | 21 (26) | 20 (23) | 43 (52) | 41 (47) | |
| PD-L1 CPS ≥5 (n=81; 40/41) | 11 (28) | 8 (20) | 22 (55) | 18 (44) | 13 (33) | 9 (22) | 21 (53) | 19 (46) | |
| PD-L1 CPS ≥10 (n=53; 27/26) | 9 (33) | 3 (12) | 18 (67) | 10 (39) | 11 (41) | 5 (19) | 19 (70) | 13 (50) | |
| MSI-H (n=23; 8/15) | 5 (63) | 4 (27) | 6 (75) | 7 (47) | 5 (63) | 4 (27) | 6 (75) | 7 (47) | |

Conclusions

- In patients with resectable esophagogastric adenocarcinoma, perioperative atezolizumab + FLOT improved downstaging and pathological regression, particularly in those with higher PD-L1 expression or MSI-H tumors and was generally well-tolerated

*Pathological complete and subtotal regression according to Becker criteria

Al-Batran S-E, et al. J Clin Oncol 2022;40(suppl):abstr 4003

CANCERS OF THE PANCREAS, SMALL BOWEL AND HEPATOBILIARY TRACT

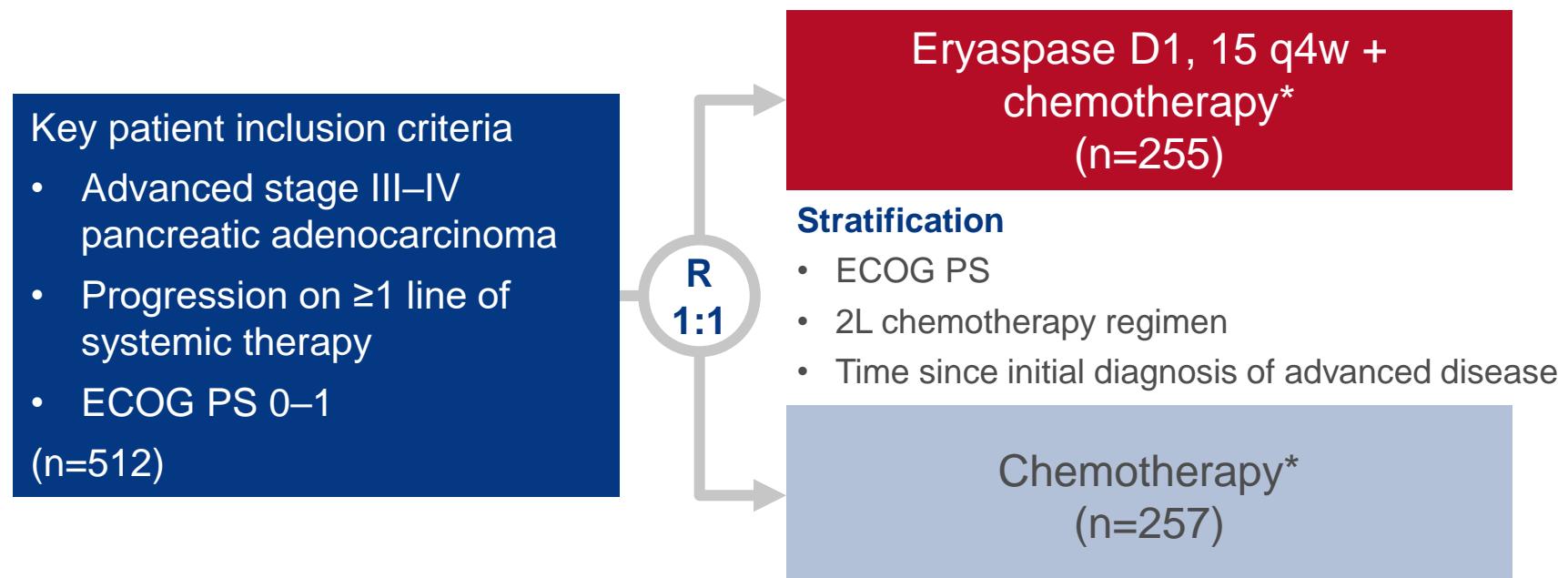
Cancers of the pancreas, small bowel and hepatobiliary tract

PANCREATIC CANCER

518: Trybeca-1: A randomized, phase 3 study of eryaspase in combination with chemotherapy versus chemotherapy alone as second-line treatment in patients with advanced pancreatic adenocarcinoma (NCT03665441) – Hammel P, et al

Study objective

- To evaluate the efficacy and safety of eryaspase combined with chemotherapy in previously treated patients with advanced pancreatic adenocarcinoma



PRIMARY ENDPOINT

- OS

SECONDARY ENDPOINTS

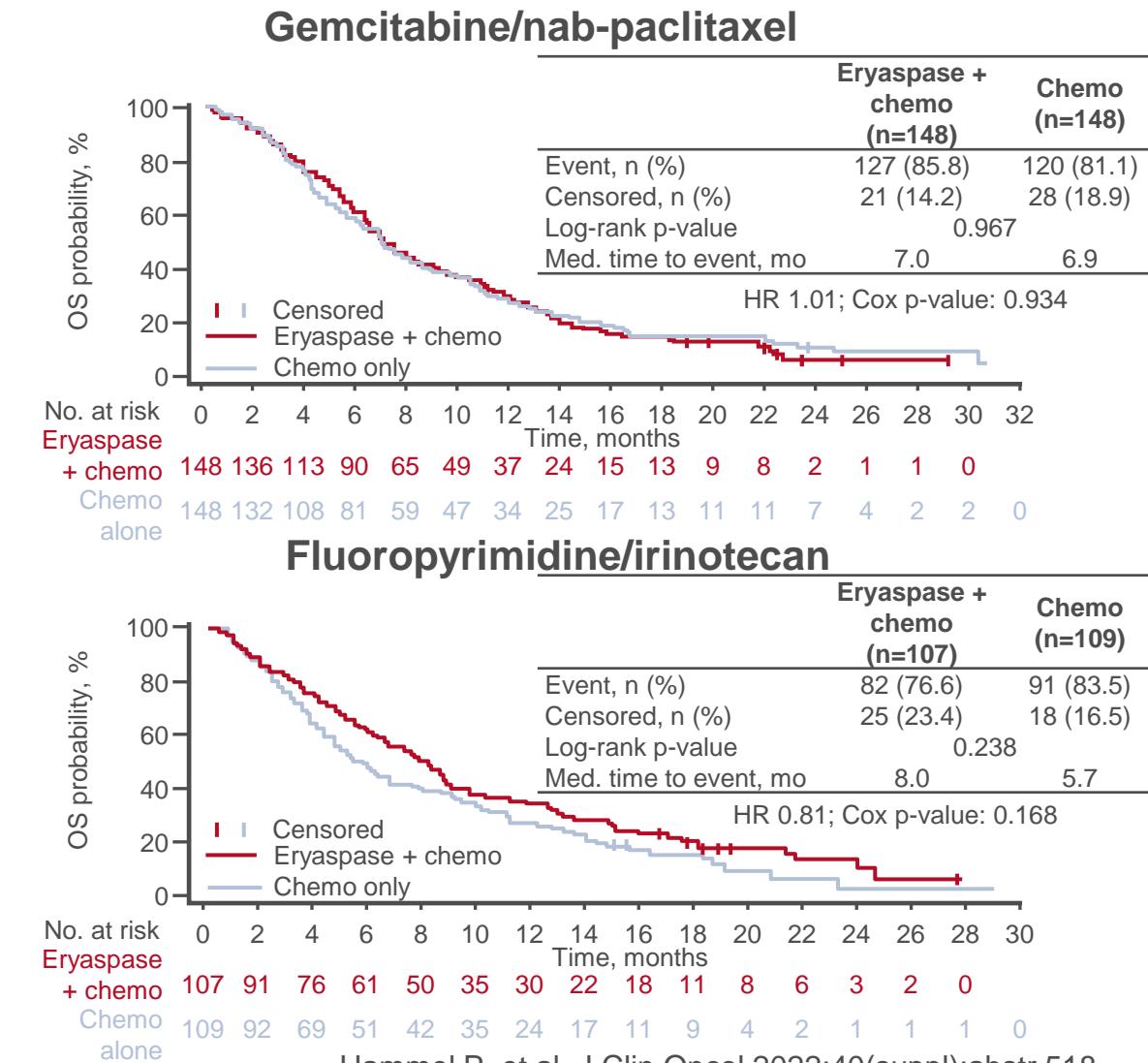
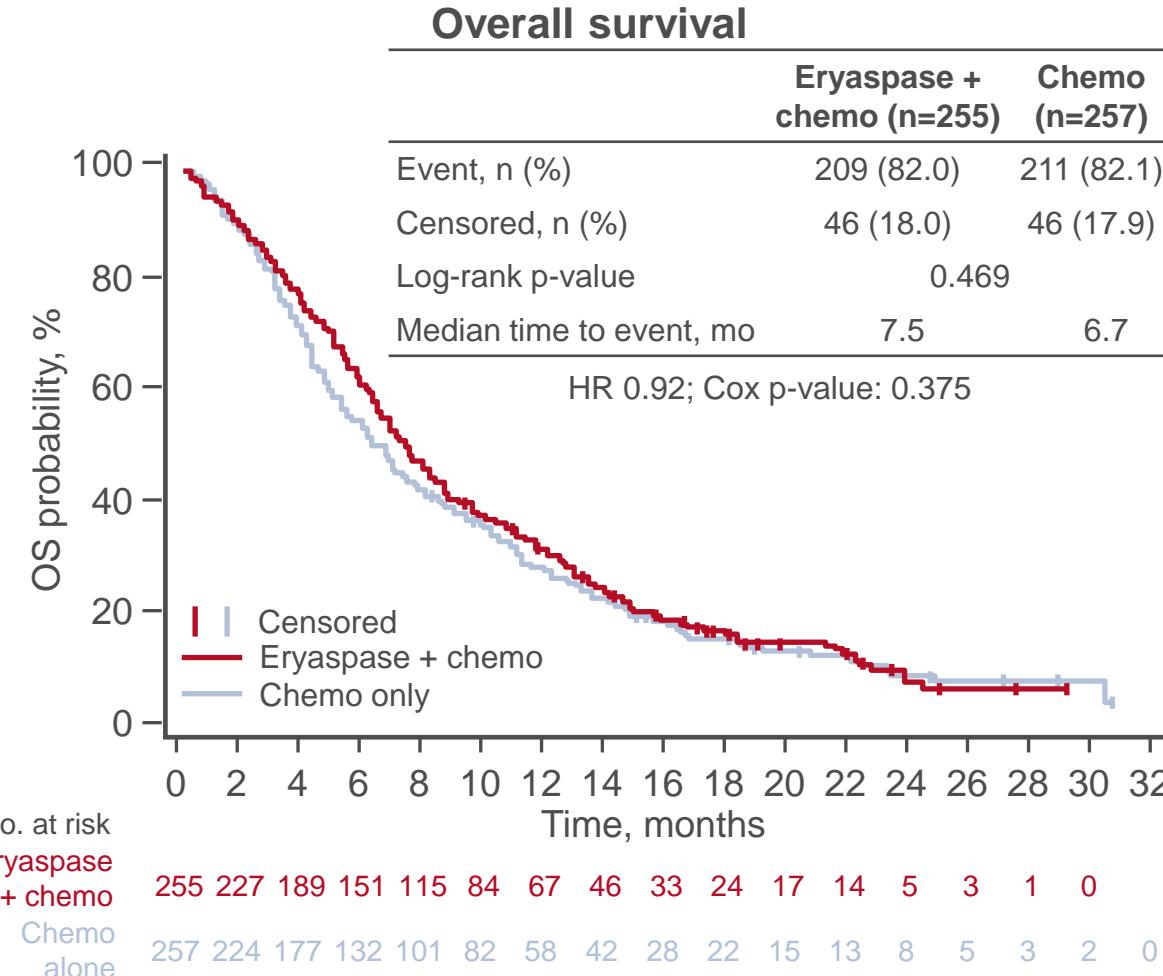
- PFS, ORR, DoR, DCR, QoL, safety

*Gemcitabine/nab-paclitaxel or irinotecan/5FU depending on first-line of therapy

Hammel P, et al. J Clin Oncol 2022;40(suppl):abstr 518

518: Trybeca-1: A randomized, phase 3 study of eryaspase in combination with chemotherapy versus chemotherapy alone as second-line treatment in patients with advanced pancreatic adenocarcinoma (NCT03665441) – Hammel P, et al

Key results



518: Trybeca-1: A randomized, phase 3 study of eryaspase in combination with chemotherapy versus chemotherapy alone as second-line treatment in patients with advanced pancreatic adenocarcinoma (NCT03665441) – Hammel P, et al

Key results (cont.)

| | Eryaspase + chemo (n=255) | Chemotherapy (n=257) |
|------------|------------------------------|-------------------------|
| BOR, n (%) | | |
| CR | 4 (1.6) | 1 (0.4) |
| PR | 37 (14.5) | 31 (12.1) |
| SD | 106 (41.6) | 94 (36.6) |
| PD | 77 (30.2) | 89 (34.6) |
| NE | 31 (12.2) | 42 (16.3) |
| DCR, n (%) | 147 (57.6) | 126 (49.0) |

| Grade 3–4 AEs, n (%) | Eryaspase + chemo (n=248) | Chemotherapy (n=246) |
|-----------------------|------------------------------|-------------------------|
| Neutropenia | 63 (25.4) | 50 (20.3) |
| Anemia | 43 (17.3) | 30 (12.2) |
| Asthenia | 42 (16.9) | 34 (13.8) |
| Thrombocytopenia | 28 (11.3) | 24 (9.8) |
| Diarrhea | 19 (7.7) | 17 (6.9) |
| Leukopenia | 16 (6.5) | 8 (3.3) |
| Peripheral neuropathy | 14 (5.6) | 10 (4.1) |
| Abdominal pain | 14 (5.6) | 9 (3.7) |
| GGT increased | 12 (4.8) | 8 (3.3) |

Conclusions

- In previously treated patients with advanced pancreatic adenocarcinoma, eryaspase + chemotherapy did not significantly improve OS compared with chemotherapy alone, although there was a trend for improvement in those who received eryaspase + fluoropyrimidine/irinotecan, and was generally well-tolerated

519: KRYSTAL-1: Updated activity and safety of adagrasib (MRTX849) in patients (Pts) with unresectable or metastatic pancreatic cancer (PDAC) and other gastrointestinal (GI) tumors harboring a KRASG12C mutation – Bekaii-Saab TS, et al

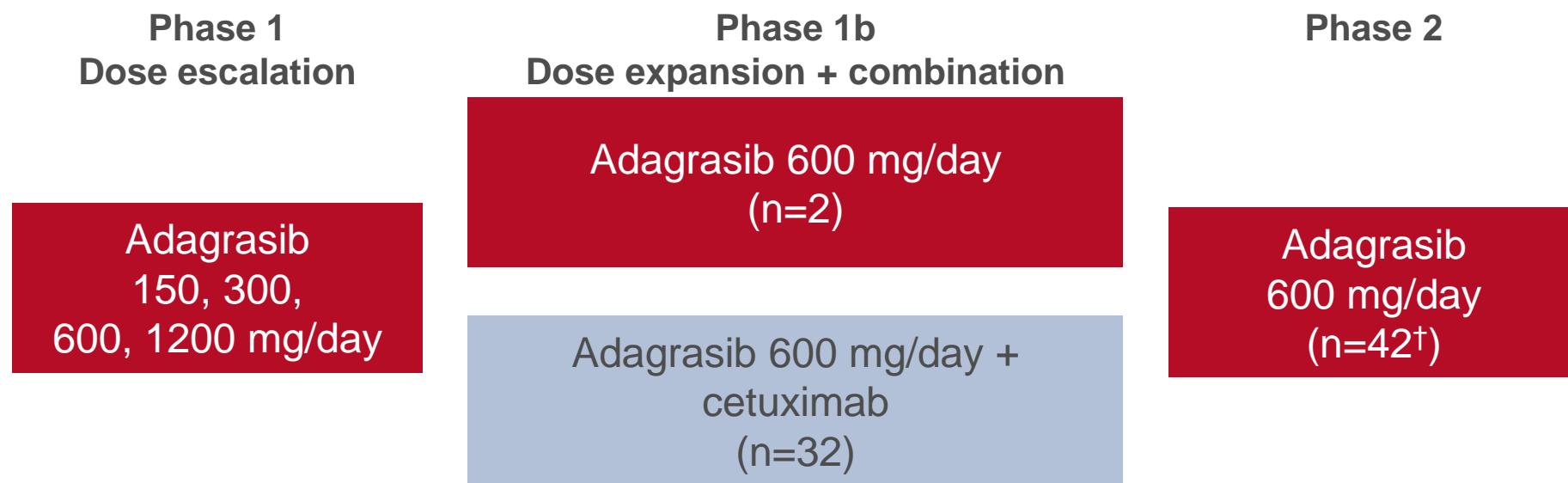
Study objective

- To evaluate the efficacy and safety of adagrasib in the cohort of previously treated patients with unresectable or metastatic solid tumors including pancreatic and other GI cancers (excluding CRC) and harboring a KRAS G12C mutation* in US centers in the phase 2 portion of the KRYSTAL-1 study

Key patient inclusion criteria

- Unresectable or metastatic pancreatic or other GI cancers (excluding CRC)
- KRAS G12C mutation
- No available treatment with curative intent or SoC

(n=565)



PRIMARY ENDPOINT

- Phase 1: RP2D, safety
- Phase 2: ORR (RECIST v1.1)

SECONDARY ENDPOINTS

- Phase 2: DoR, PFS, OS, safety

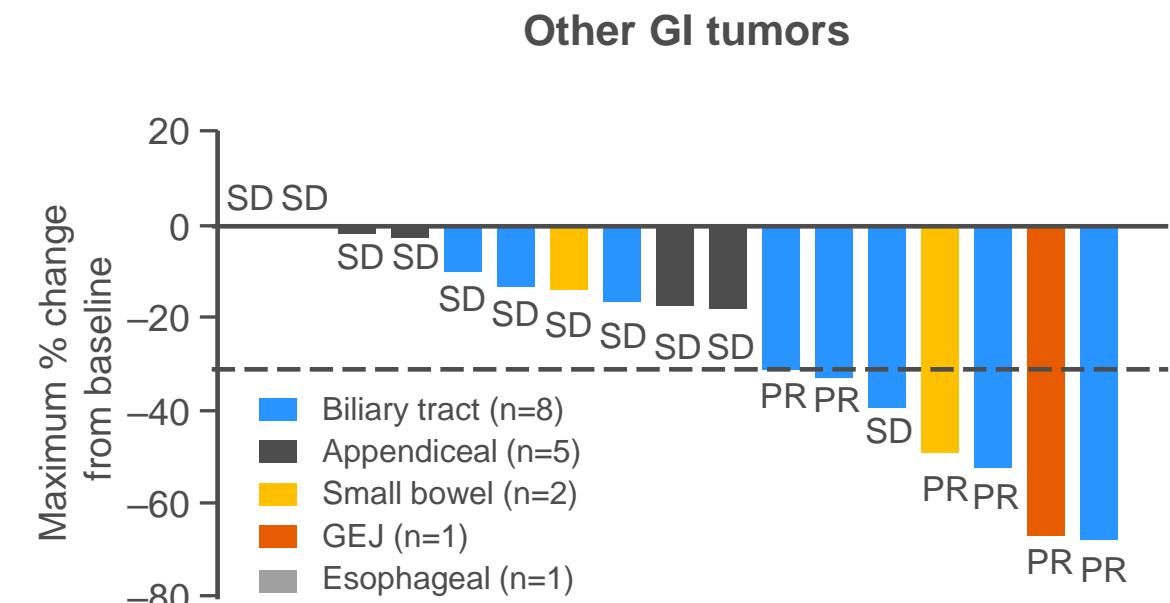
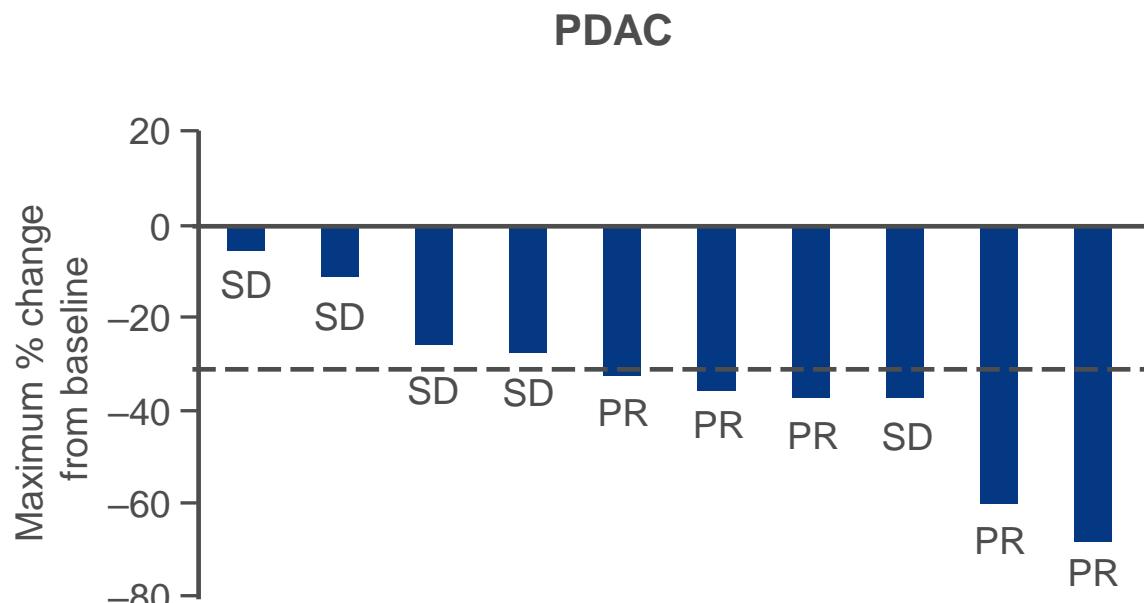
*KRAS mutations occur in ~90% of pancreatic cancer with ~2% being KRAS G12C mutations;

[†]PDAC, n=12 and other GI cancers, n=18

519: KRYSTAL-1: Updated activity and safety of adagrasib (MRTX849) in patients (Pts) with unresectable or metastatic pancreatic cancer (PDAC) and other gastrointestinal (GI) tumors harboring a KRASG12C mutation – Bekaii-Saab TS, et al

Key results

Best tumor change from baseline (evaluable patients)



519: KRYSTAL-1: Updated activity and safety of adagrasib (MRTX849) in patients (Pts) with unresectable or metastatic pancreatic cancer (PDAC) and other gastrointestinal (GI) tumors harboring a KRASG12C mutation – Bekaii-Saab TS, et al

Key results (cont.)

| | PDAC (n=10) | Other GI cancers (n=17) |
|----------------------|----------------|----------------------------|
| ORR, n (%) | 5 (50) | 6 (35) |
| BOR, n (%) | | |
| PR | 5 (50) | 6 (35) |
| SD | 5 (50) | 11 (65) |
| DCR, n (%) | 10 (100) | 17 (100) |
| mTTR, mo | 2.8 | 1.3 |
| mDoR, mo | 6.97 | 7.85 |
| mPFS, mo (95%CI) | 6.6 (1.0, 9.7) | 7.9 (6.9, 11.3) |
| Treatment ongoing, % | 50 | 65 |

| Grade 3 TRAEs, % | Overall (n=42) | Overall GI cancers (n=30) |
|------------------|-------------------|------------------------------|
| Any | 21 | 27 |
| Fatigue | 7 | 10 |
| QT prolongation | 5 | 7 |
| Nausea | 2 | 3 |
| AST increased | 2 | 3 |
| Anemia | 2 | 3 |
| ALT increased | 2 | 3 |

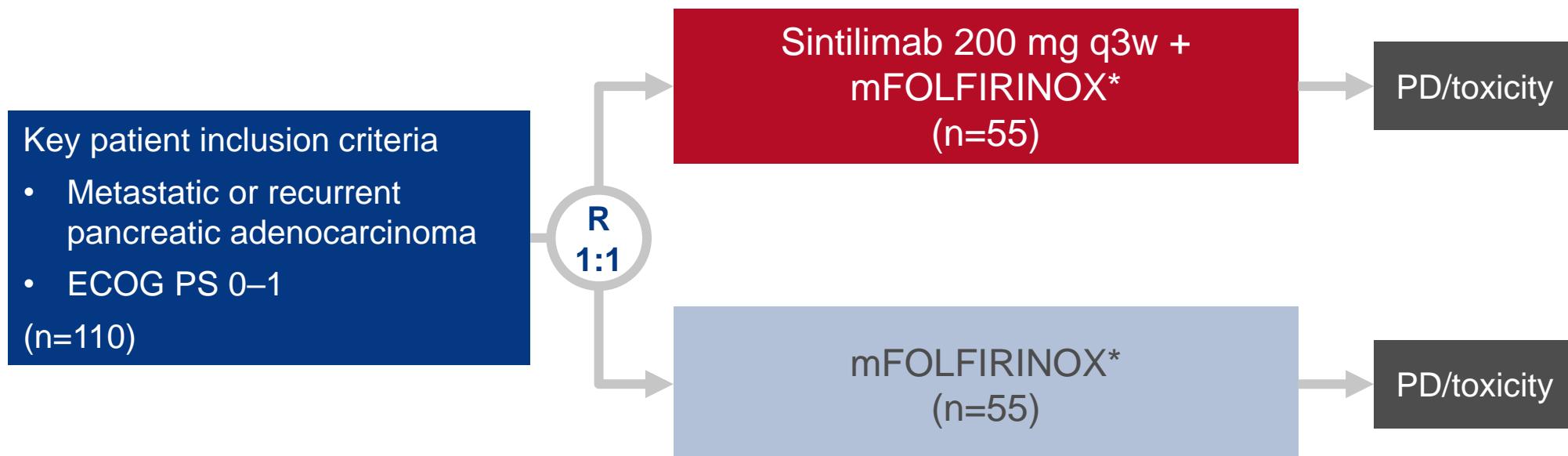
Conclusions

- In previously treated patients with PDAC or other GI cancers harboring KRAS G12C mutation, adagrasib showed promising clinical activity and was generally well-tolerated

560: Randomized phase III study of sintilimab in combination with modified FOLFIRINOX versus FOLFRINOX alone in patients with metastatic and recurrent pancreatic cancer in China: The CSIPD3 trial – Fu Q, et al

Study objective

- To evaluate the efficacy and safety of sintilimab combined mFOLFIRINOX in patients with metastatic and recurrent pancreatic cancer in Chinese centers in the CSIPD3 study



PRIMARY ENDPOINT

- OS

SECONDARY ENDPOINTS

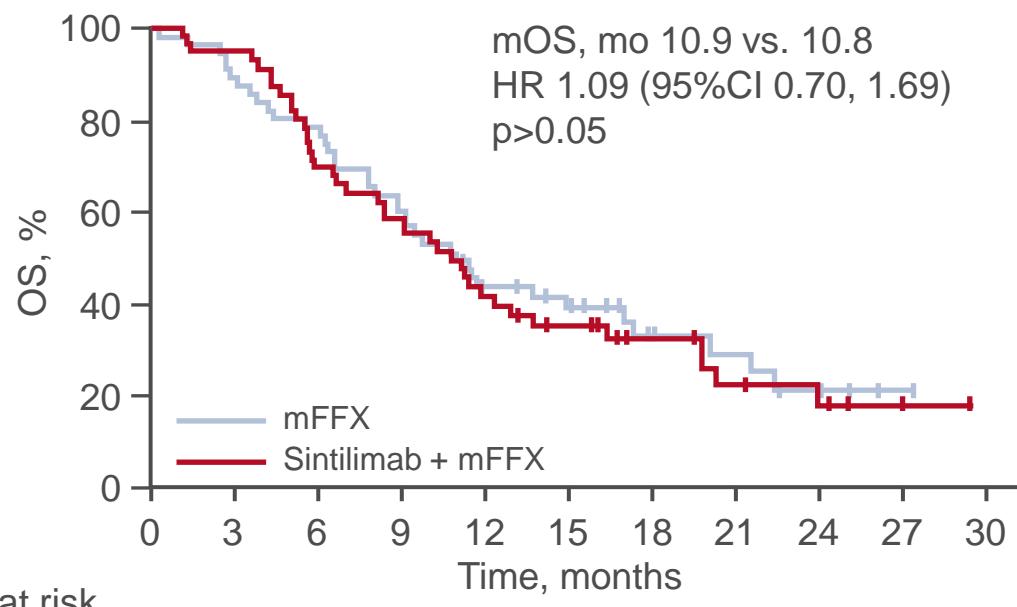
- PFS, ORR, DCR, safety

*Irinotecan 85 mg/m² + oxaliplatin 68 mg/m² followed by 5FU 2400 mg/m² q2w

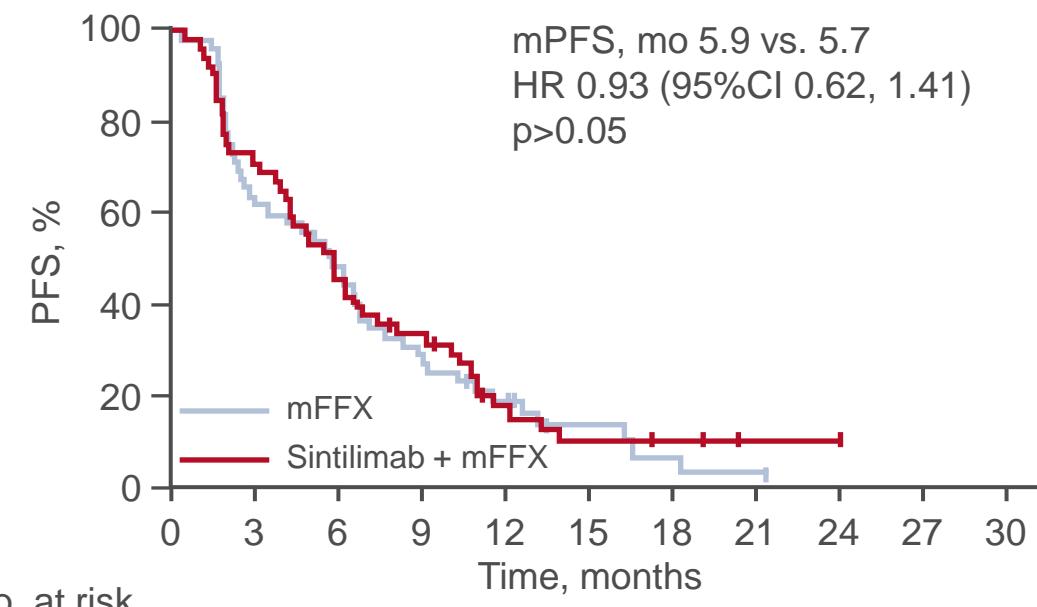
560: Randomized phase III study of sintilimab in combination with modified FOLFIRINOX versus FOLFRINOX alone in patients with metastatic and recurrent pancreatic cancer in China: The CSIPD3 trial – Fu Q, et al

Key results

Overall survival



Progression-free survival



| No. at risk | | | | | | | | | | | |
|-------------------|----|----|----|----|----|----|----|---|---|---|---|
| Sintilimab + mFFX | 55 | 53 | 39 | 32 | 22 | 16 | 11 | 7 | 5 | 2 | 0 |
| mFFX | 55 | 50 | 44 | 35 | 22 | 18 | 11 | 8 | 4 | 2 | 0 |

| No. at risk | | | | | | | | | | | |
|-------------------|----|----|----|----|----|---|---|---|---|---|---|
| Sintilimab + mFFX | 52 | 38 | 26 | 17 | 8 | 5 | 4 | 2 | 2 | 0 | 0 |
| mFFX | 53 | 33 | 26 | 16 | 10 | 5 | 3 | 2 | 1 | 0 | 0 |

560: Randomized phase III study of sintilimab in combination with modified FOLFIRINOX versus FOLFRINOX alone in patients with metastatic and recurrent pancreatic cancer in China: The CSIPD3 trial – Fu Q, et al

Key results (cont.)

| | Sintilimab + mFOLFIRINOX (n=55) | mFOLFIRINOX (n=55) | p-value |
|----------|---------------------------------|--------------------|---------|
| ORR, % | 50 | 23.9 | <0.05 |
| BOR, % | | | |
| CR | 1 | 0 | |
| PR | 21 | 11 | |
| SD | 15 | 22 | |
| PD | 7 | 13 | |
| NE | 11 | 9 | |
| DCR, % | 84.0 | 71.7 | >0.05 |
| mDoR, mo | 7.85 | 4.63 | >0.05 |

| AEs, n (%) | Sintilimab + mFOLFIRINOX (n=53) | mFOLFIRINOX (n=54) |
|----------------------------|---------------------------------|--------------------|
| TEAE | | |
| Grade ≥3 | 45 (84.9) | 40 (74.1) |
| Neutropenia | 31 (58.5) | 24 (44.4) |
| Thrombocytopenia | 9 (17.0) | 6 (11.1) |
| Anemia | 7 (13.2) | 7 (13.0) |
| Vomiting | 7 (13.2) | 6 (11.1) |
| Aminotransferase increased | 6 (11.3) | 3 (5.6) |
| Immune-mediated | | |
| Grade ≥3 | 3 (5.7) | - |
| Pulmonary | 3 (5.7) | - |

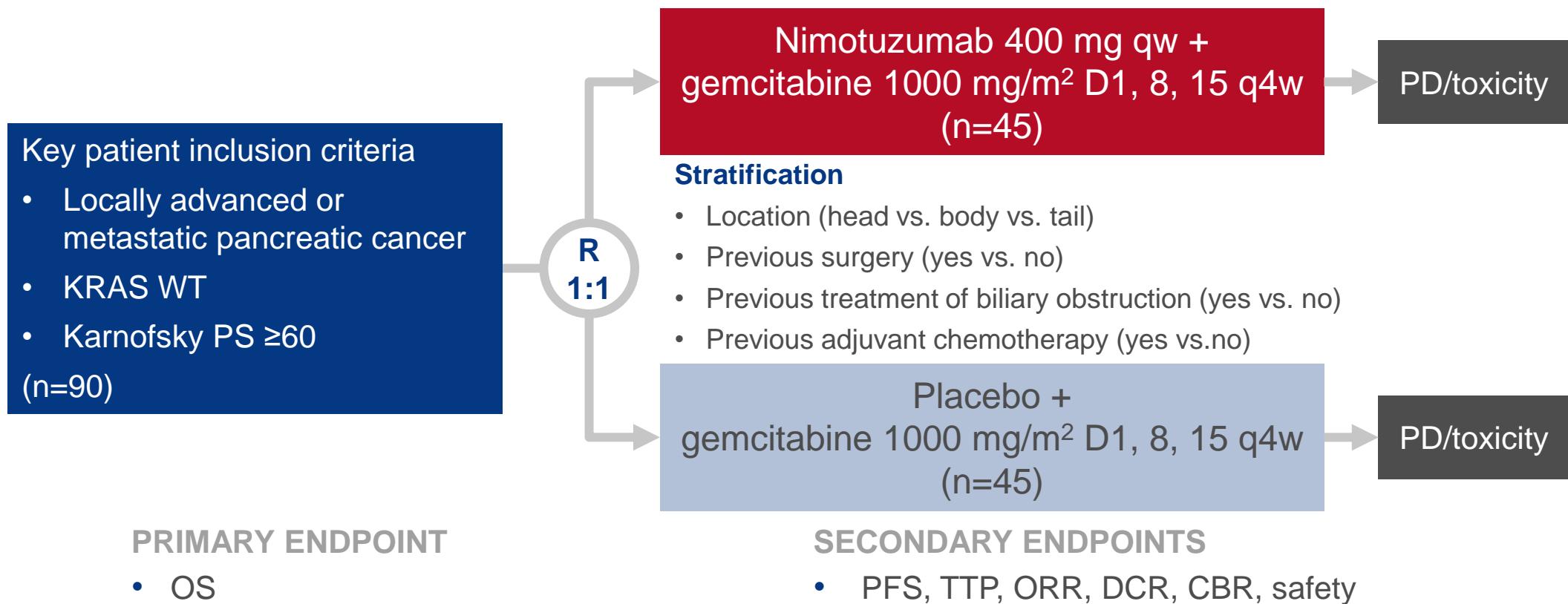
Conclusions

- In patients with metastatic and recurrent pancreatic cancer, sintilimab combined with mFOLFIRINOX demonstrated significant improvement in ORR, but not OS or PFS, and had a manageable safety profile

LBA4011: Nimotuzumab combined with gemcitabine versus gemcitabine in K-RAS wild-type locally advanced or metastatic pancreatic cancer: A prospective, randomized-controlled, double-blinded, multicenter, and phase III clinical trial – Qin S, et al

Study objective

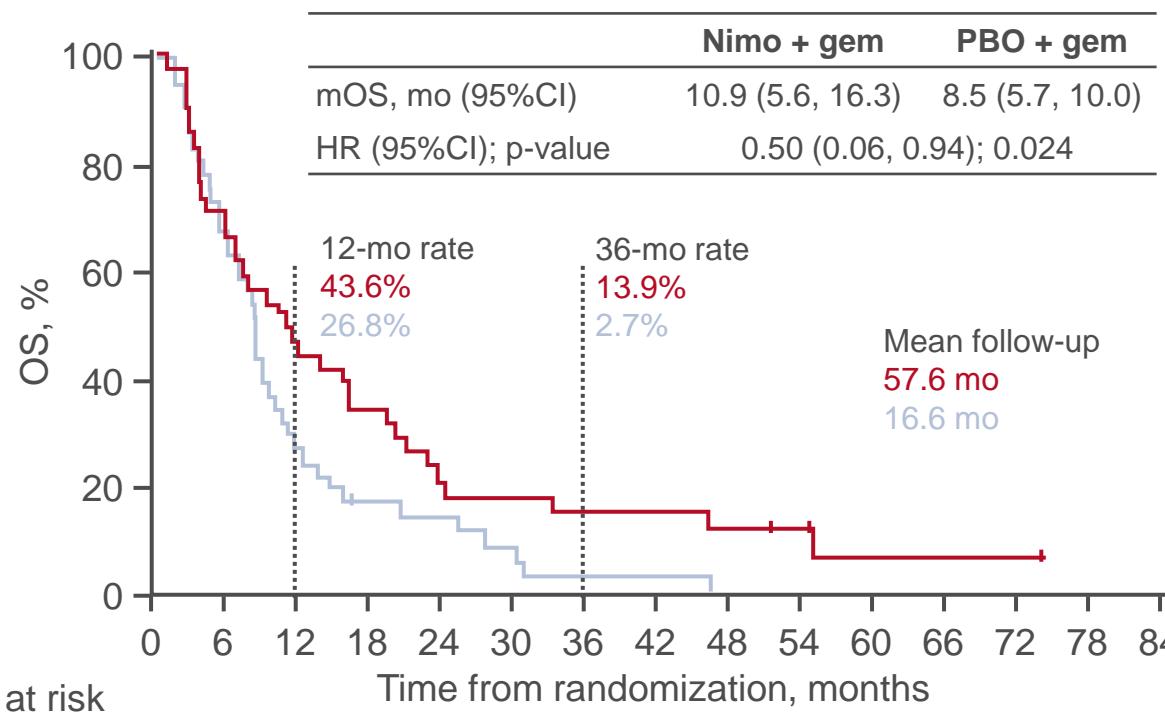
- To evaluate the efficacy and safety of nimotuzumab + gemcitabine in patients with KRAS WT locally advanced or metastatic pancreatic cancer in Chinese centers in the phase 3 NOTABLE study



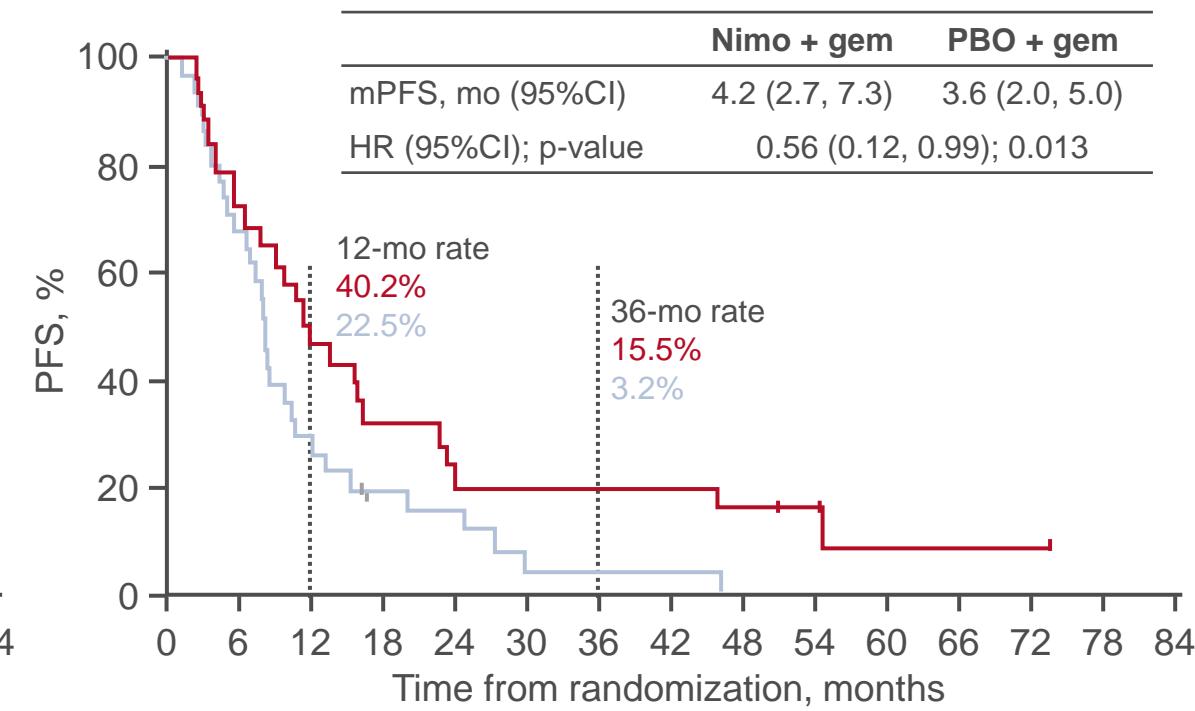
LBA4011: Nimotuzumab combined with gemcitabine versus gemcitabine in K-RAS wild-type locally advanced or metastatic pancreatic cancer: A prospective, randomized-controlled, double-blinded, multicenter, and phase III clinical trial – Qin S, et al

Key results

Overall survival



Progression-free survival



LBA4011: Nimotuzumab combined with gemcitabine versus gemcitabine in K-RAS wild-type locally advanced or metastatic pancreatic cancer: A prospective, randomized-controlled, double-blinded, multicenter, and phase III clinical trial – Qin S, et al

Key results

| | Nimotuzumab + gemcitabine | Placebo + gemcitabine | p-value |
|---------------------|---------------------------|-----------------------|---------|
| ORR, % | 7.3 | 9.8 | >0.05 |
| BOR, % | | | |
| CR | 0 | 0 | |
| PR | 3 | 4 | |
| SD | 26 | 22 | |
| PD | 9 | 14 | |
| NE | 3 | 1 | |
| DCR, % | 68.3 | 63.4 | 0.641 |
| CBR, % | 39.3 | 32.3 | 0.573 |
| mTTP, mo (95%CI) | 4.7 (2.7, 9.0) | 3.7 (2.0, 5.4) | >0.05 |
| HR (95%CI); p-value | 0.67 (0.39, 1.15); 0.137 | | |

| AEs, n (%) | Nimotuzumab + gemcitabine (n=45) | Placebo + gemcitabine (n=45) | p-value |
|--|----------------------------------|------------------------------|---------|
| Any | 31 (68.9) | 29 (64.4) | 0.655 |
| Serious | 1 (2.2) | 2 (4.4) | >0.999 |
| Led to dose reduction or discontinuation | 4 (8.9) | 6 (13.3) | 0.502 |
| Led to discontinuation | 2 (4.4) | 2 (4.4) | >0.999 |
| Led to death | 0 | 1 (2.2) | >0.999 |
| Led to withdrawal | 2 (4.4) | 1 (2.2) | >0.999 |

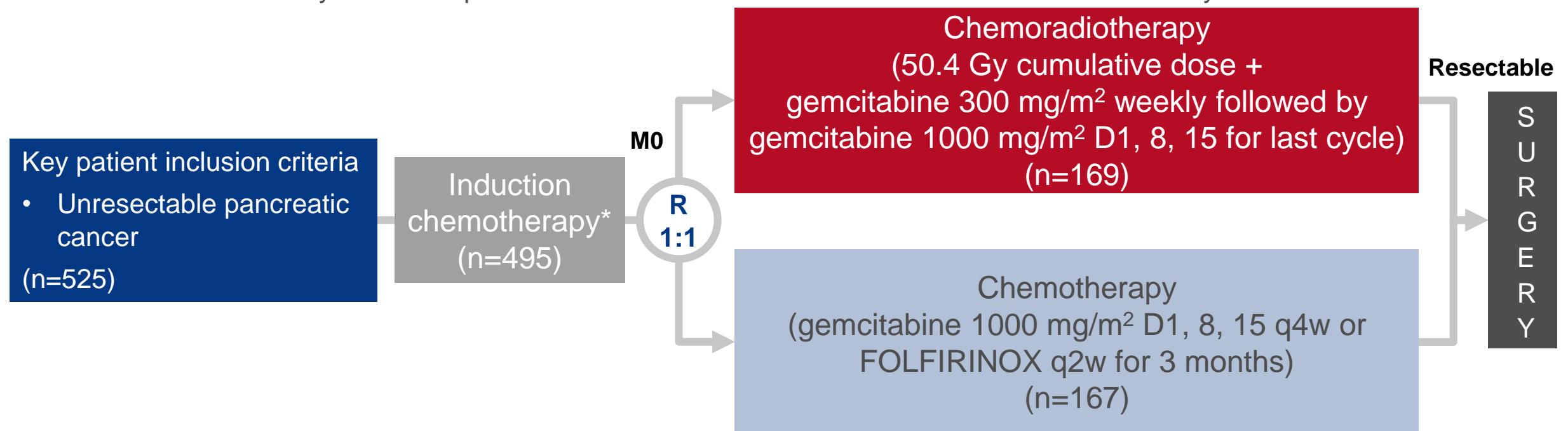
Conclusions

- In patients with locally advanced or metastatic KRAS WT pancreatic cancer, nimotuzumab + gemcitabine significantly improved survival compared with gemcitabine alone and was generally well-tolerated

4008: Randomized phase III trial of induction chemotherapy followed by chemoradiotherapy or chemotherapy alone for nonresectable locally advanced pancreatic cancer: First results of the CONKO-007 trial – Fietkau R, et al

Study objective

- To evaluate the efficacy and safety of induction chemotherapy followed by chemoradiotherapy in patients with unresectable locally advanced pancreatic cancer in German centers in the CONKO-007 study



PRIMARY ENDPOINT

- R0 resection rate

SECONDARY ENDPOINTS

- OS, DFS, safety

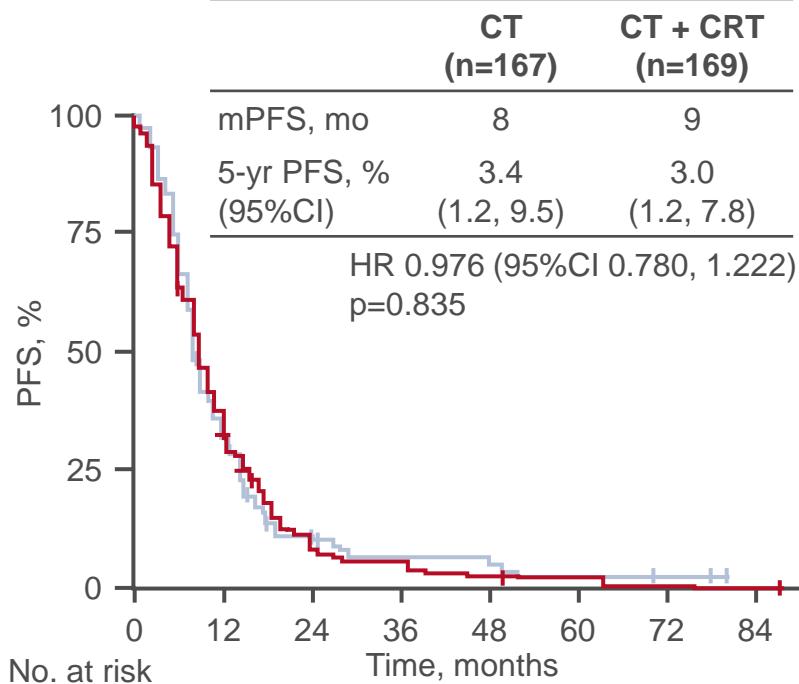
*Gemcitabine 1000 mg/m² D1, 8, 15 q4w (3 cycles) or FOLFIRINOX q2w (6 cycles)

Fietkau R, et al. J Clin Oncol 2022;40(suppl):abstr 4008

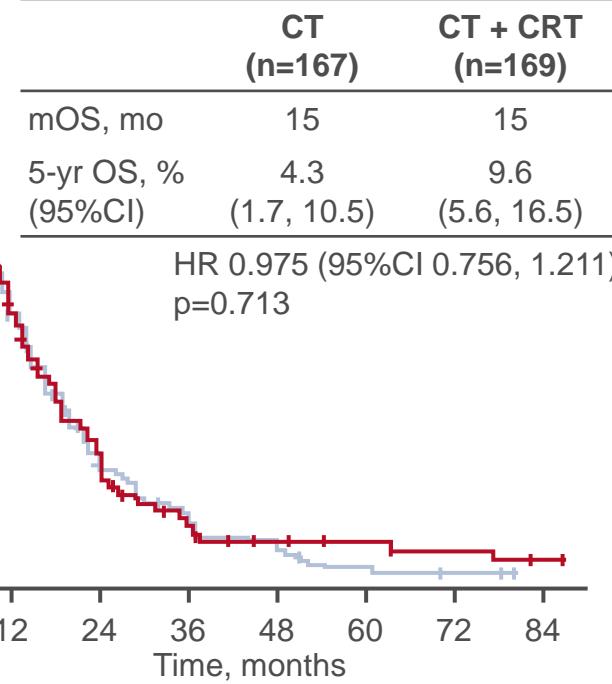
4008: Randomized phase III trial of induction chemotherapy followed by chemoradiotherapy or chemotherapy alone for nonresectable locally advanced pancreatic cancer: First results of the CONKO-007 trial – Fietkau R, et al

Key results

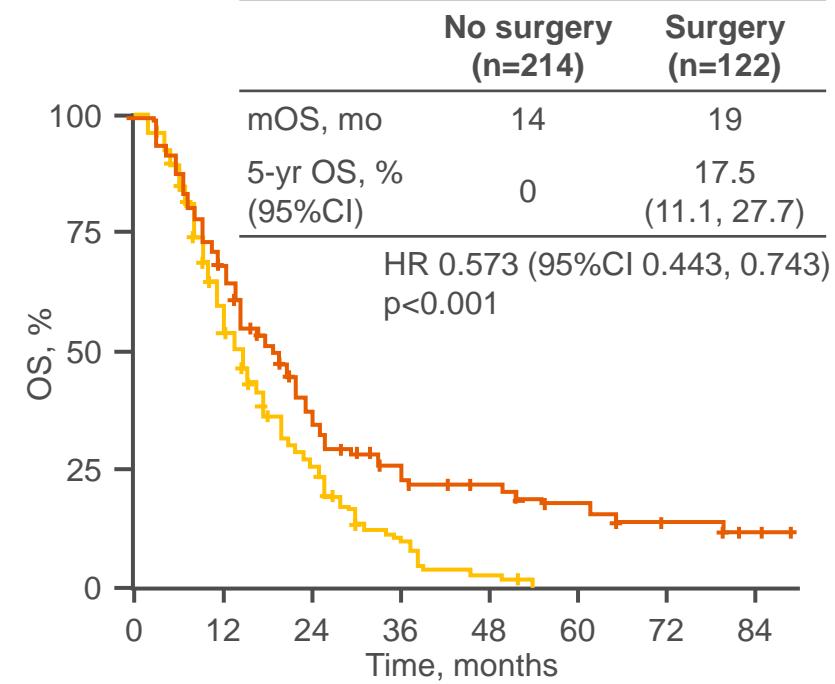
Progression-free survival



Overall survival



Overall survival according to surgery



| | CT | 167 | 16 | 6 | 6 | 3 | 2 | 0 |
|----------|---------|--------|---------|--------|--------|--------|--------|--------|
| | (2) | (7) | (11) | (14) | (14) | (14) | (15) | (17) |
| CT + CRT | 169 (0) | 63 (4) | 15 (10) | 9 (10) | 5 (10) | 3 (11) | 2 (11) | 1 (11) |

| | | | | | | | |
|---------|---------|---------|---------|---------|--------|--------|--------|
| 167 (2) | 96 (11) | 38 (20) | 17 (24) | 11 (24) | 4 (25) | 2 (26) | 0 (28) |
| 169 (0) | 105 (7) | 42 (18) | 18 (22) | 8 (25) | 6 (27) | 4 (28) | 2 (29) |

| | | | | | | | |
|--------------------|----------|---------|---------|---------|---------|--------|--------|
| No surgery (n=214) | 117 (16) | 44 (24) | 14 (28) | 4 (28) | 0 (29) | 0 (29) | 0 (29) |
| Surgery (n=122) | 86 (2) | 36 (14) | 21 (18) | 15 (21) | 10 (23) | 6 (25) | 2 (28) |

4008: Randomized phase III trial of induction chemotherapy followed by chemoradiotherapy or chemotherapy alone for nonresectable locally advanced pancreatic cancer: First results of the CONKO-007 trial – Fietkau R, et al

Key results

| | CRM- (n=44) | CRM+ (n=38) | R0 (n=73) | R1 (n=21) | Rx (n=242) | Not randomized (n=159) |
|--------------------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|---------------|---------------------------|
| mOS, mo | 36 | 18 | 26 | 17 | 16 | 9 |
| 5-yr OS, % (95%CI) | 35.9 (22.6, 57.0) | 9.0 (2.6, 31.7) | 27.3 (17.4, 42.8) | 8.0 (1.4, 45.0) | 0 | 0 |
| HR (95%CI); p-value vs CRM+ or R1 | 2.29 (1.36, 3.88); 0.002 | | 2.16 (1.25, 3.72); 0.006 | | | |
| vs Rx | 3.12 (2.03, 4.77); <0.001 | 1.36 (0.93, 1.99); 0.117 | 2.49 (1.79, 3.46); <0.001 | 1.15 (0.71, 1.87); 0.563 | | |
| vs not randomized | 5.20 (3.35, 8.06); <0.001 | | 4.16 (2.94, 5.89); <0.001 | | | |

Conclusions

- In patients with unresectable locally advanced pancreatic cancer, chemoradiotherapy after induction chemotherapy demonstrated significant improvement in R0 resection rate in the surgically treated group, but not in all randomized patients, compared with chemotherapy

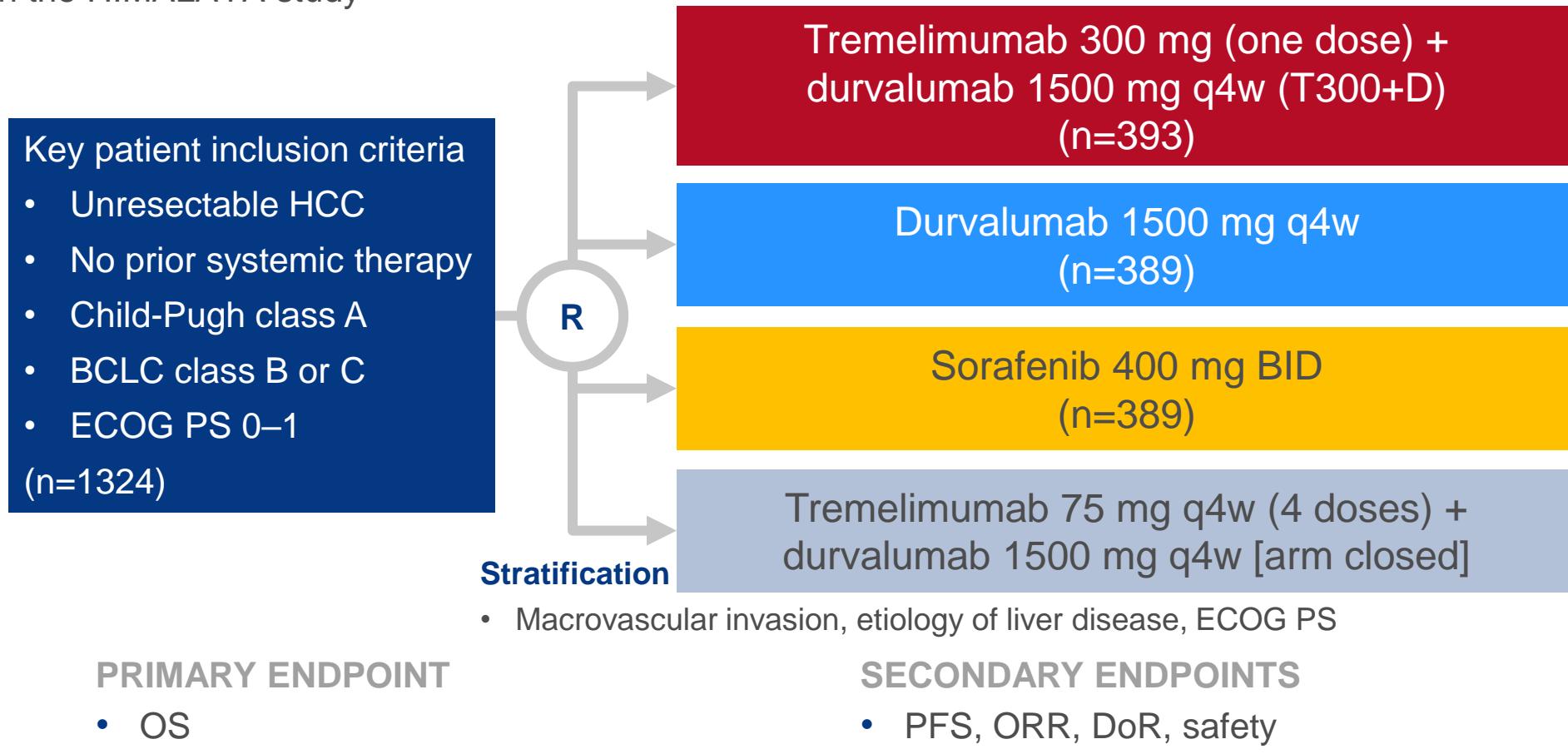
Cancers of the pancreas, small bowel and hepatobiliary tract

HEPATOCELLULAR CARCINOMA

379: Phase 3 randomized, open-label, multicenter study of tremelimumab (T) and durvalumab (D) as first-line therapy in patients (pts) with unresectable hepatocellular carcinoma (uHCC): HIMALAYA – Abou-Alfa GK, et al

Study objective

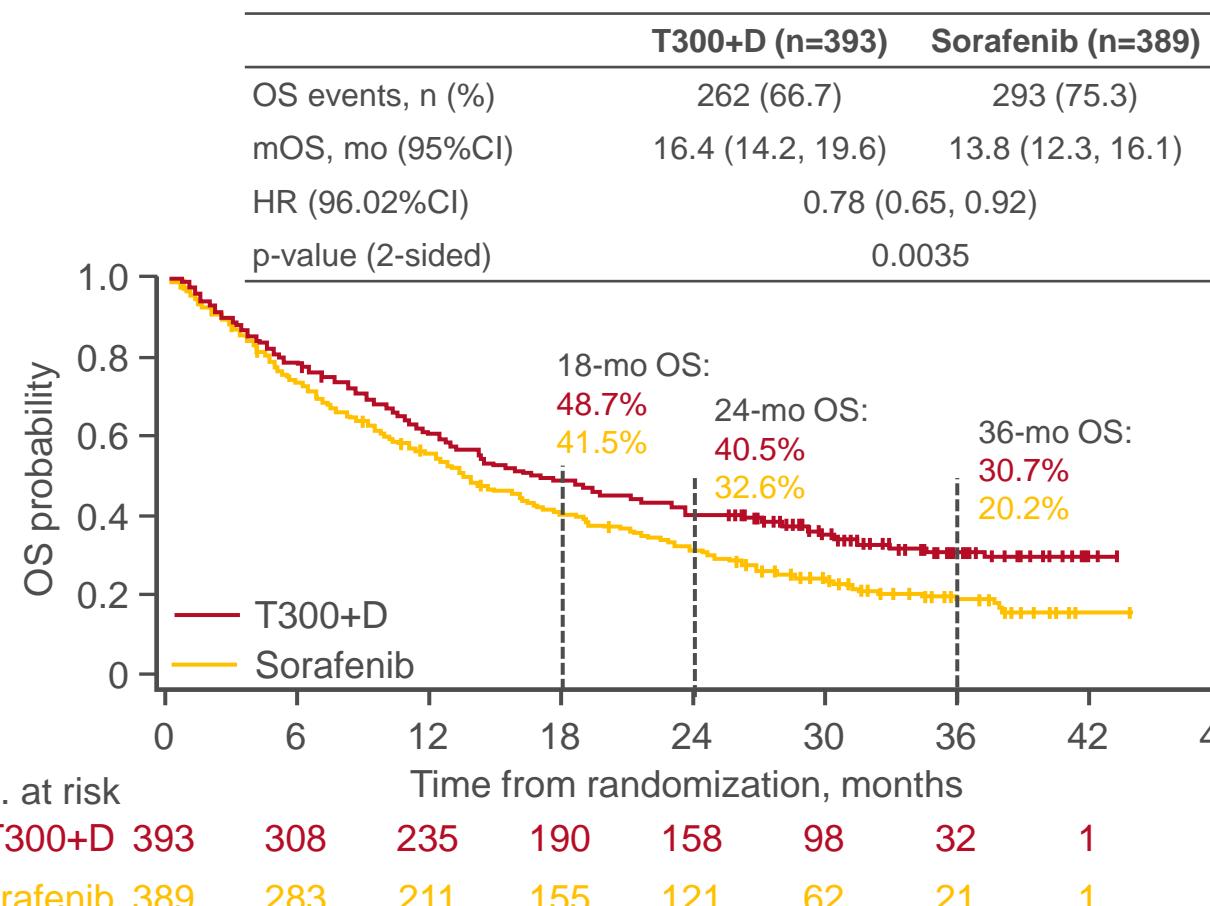
- To evaluate the efficacy and safety of 1L tremelimumab + durvalumab or durvalumab alone in patients with unresectable HCC in the HIMALAYA study



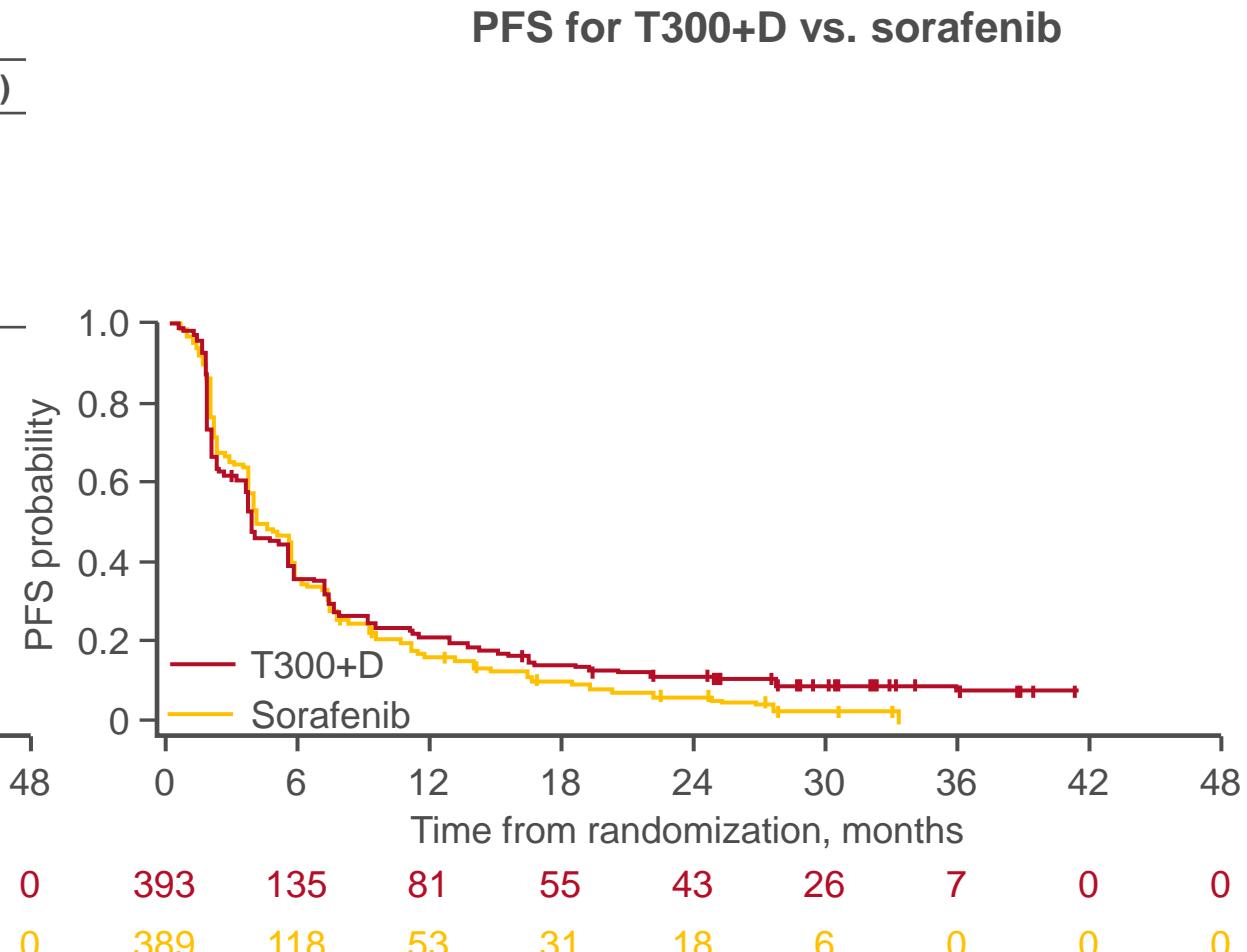
379: Phase 3 randomized, open-label, multicenter study of tremelimumab (T) and durvalumab (D) as first-line therapy in patients (pts) with unresectable hepatocellular carcinoma (uHCC): HIMALAYA – Abou-Alfa GK, et al

Key results

OS for T300+D vs. sorafenib



PFS for T300+D vs. sorafenib



379: Phase 3 randomized, open-label, multicenter study of tremelimumab (T) and durvalumab (D) as first-line therapy in patients (pts) with unresectable hepatocellular carcinoma (uHCC): HIMALAYA – Abou-Alfa GK, et al

Key results (cont.)

| | T300+D (n=393) | Durvalumab (n=389) | Sorafenib (n=389) |
|-------------------------------------|---------------------|-----------------------|------------------------|
| ORR, n (%) | 79 (20.1) | 66 (17.0) | 20 (5.1) |
| BOR, n (%) | | | |
| CR | 12 (3.1) | 6 (1.5) | 0 |
| PR | 67 (17.0) | 60 (15.4) | 20 (5.1) |
| SD | 157 (39.9) | 147 (37.8) | 216 (55.5) |
| PD | 157 (39.9) | 176 (45.2) | 153 (39.3) |
| DCR, % | 60.1 | 54.8 | 60.7 |
| mDoR, mo (25th, 75th percentile) | 22.34 (8.54, NR) | 16.82 (7.43, NR) | 18.43 (6.51, 25.99) |
| mTTR, mo (95%CI) | 2.17 (1.84, 3.98) | 2.09 (1.87, 3.98) | 3.78 (1.89, 8.44) |
| mOS, mo (95%CI) | | 16.6 (14.1, 19.1) | 13.8 (12.3, 16.1) |
| HR (95.67%CI) | | 0.86 (0.73, 1.03) | |

| TRAEs, n (%) | T300+D (n=388) | Durvalumab (n=388) | Sorafenib (n=374) |
|------------------------|-------------------|-----------------------|----------------------|
| Any | 294 (75.8) | 202 (52.1) | 317 (84.8) |
| Grade 3–4 | 100 (25.8) | 50 (12.9) | 138 (36.9) |
| Serious | 68 (17.5) | 32 (8.2) | 35 (9.4) |
| Led to discontinuation | 32 (8.2) | 16 (4.1) | 41 (11.0) |
| Led to death | 9 (2.3) | 0 | 3 (0.8) |

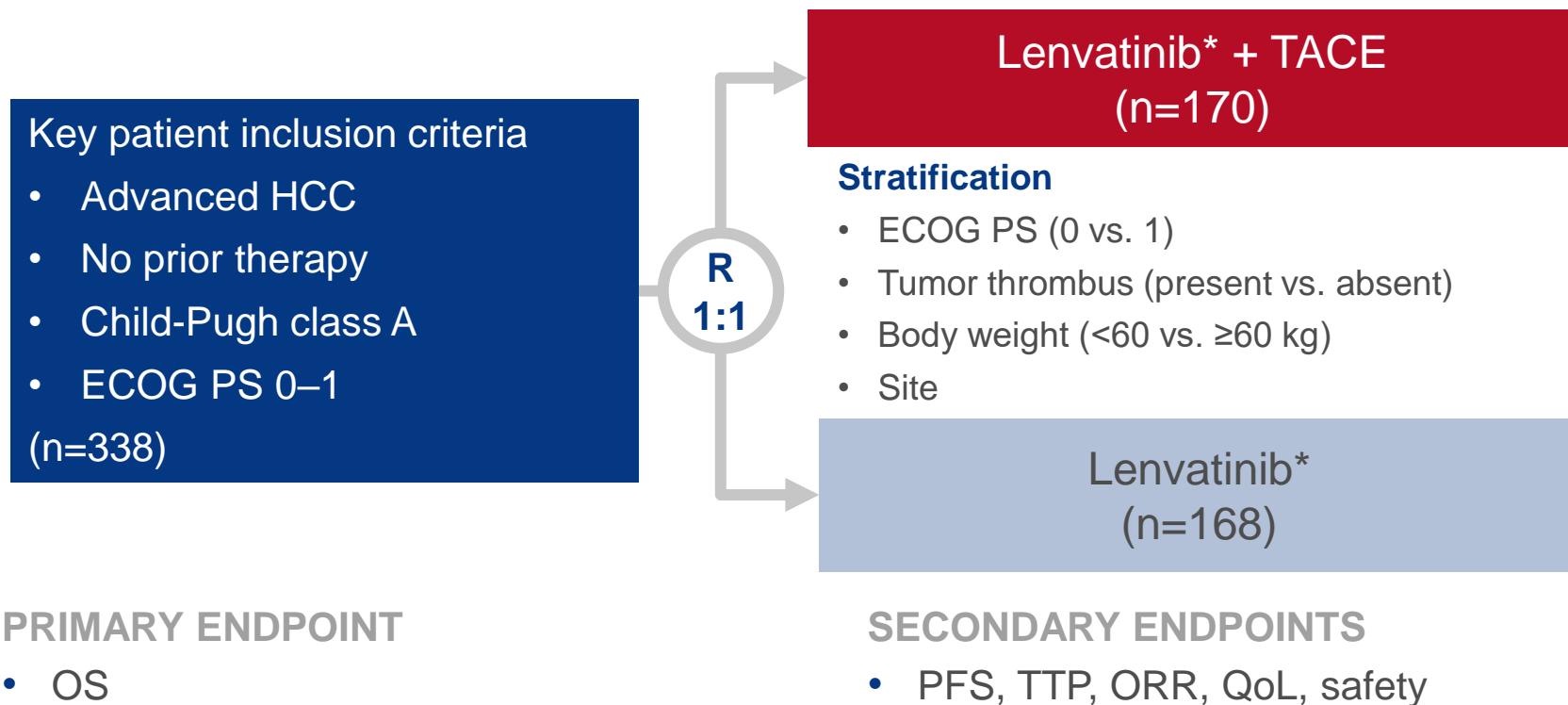
Conclusions

- In treatment-naïve patients with unresectable HCC, tremelimumab (priming dose) + durvalumab demonstrated a significant improvement in OS compared with sorafenib and had a manageable safety profile

380: Lenvatinib combined with transarterial chemoembolization as first-line treatment of advanced hepatocellular carcinoma: A phase 3, multicenter, randomized controlled trial – Peng Z, et al

Study objective

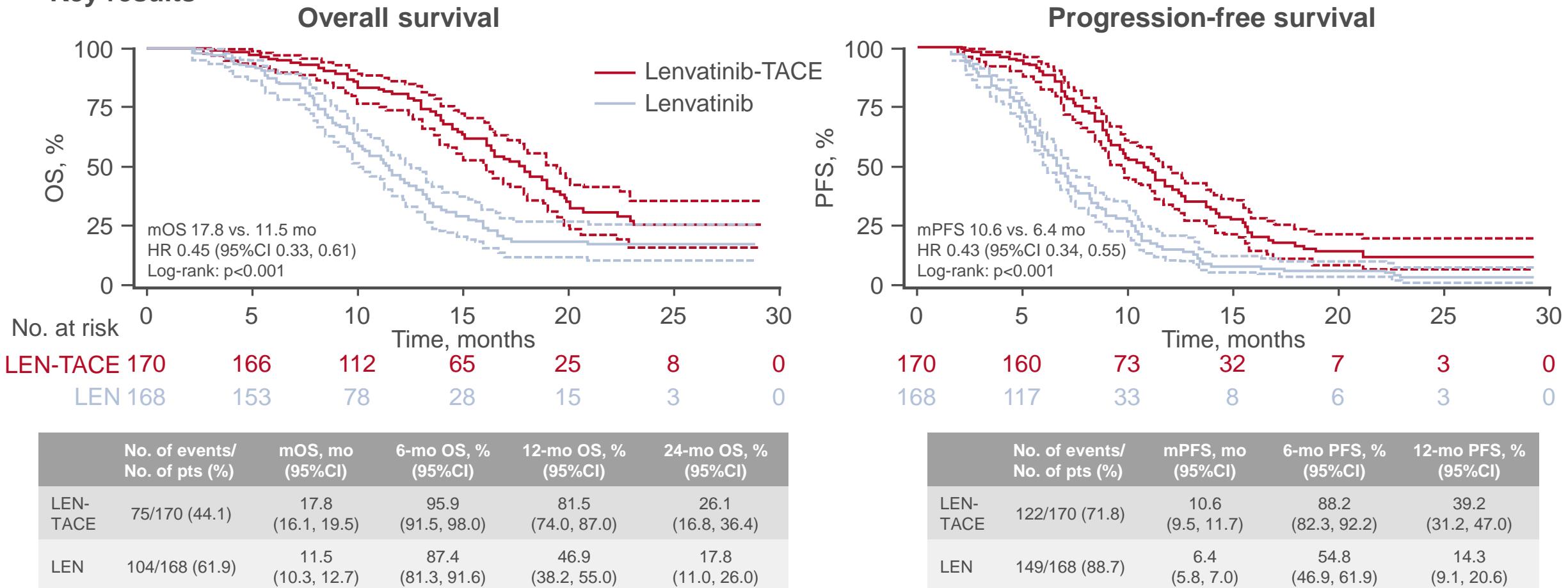
- To evaluate the efficacy and safety of 1L lenvatinib combined with TACE in patients with advanced HCC in the LAUNCH study



*Initial dose 12 mg/day for patients weighing ≥60 kg and 8 mg/day for patients weighing <60 kg

380: Lenvatinib combined with transarterial chemoembolization as first-line treatment of advanced hepatocellular carcinoma: A phase 3, multicenter, randomized controlled trial – Peng Z, et al

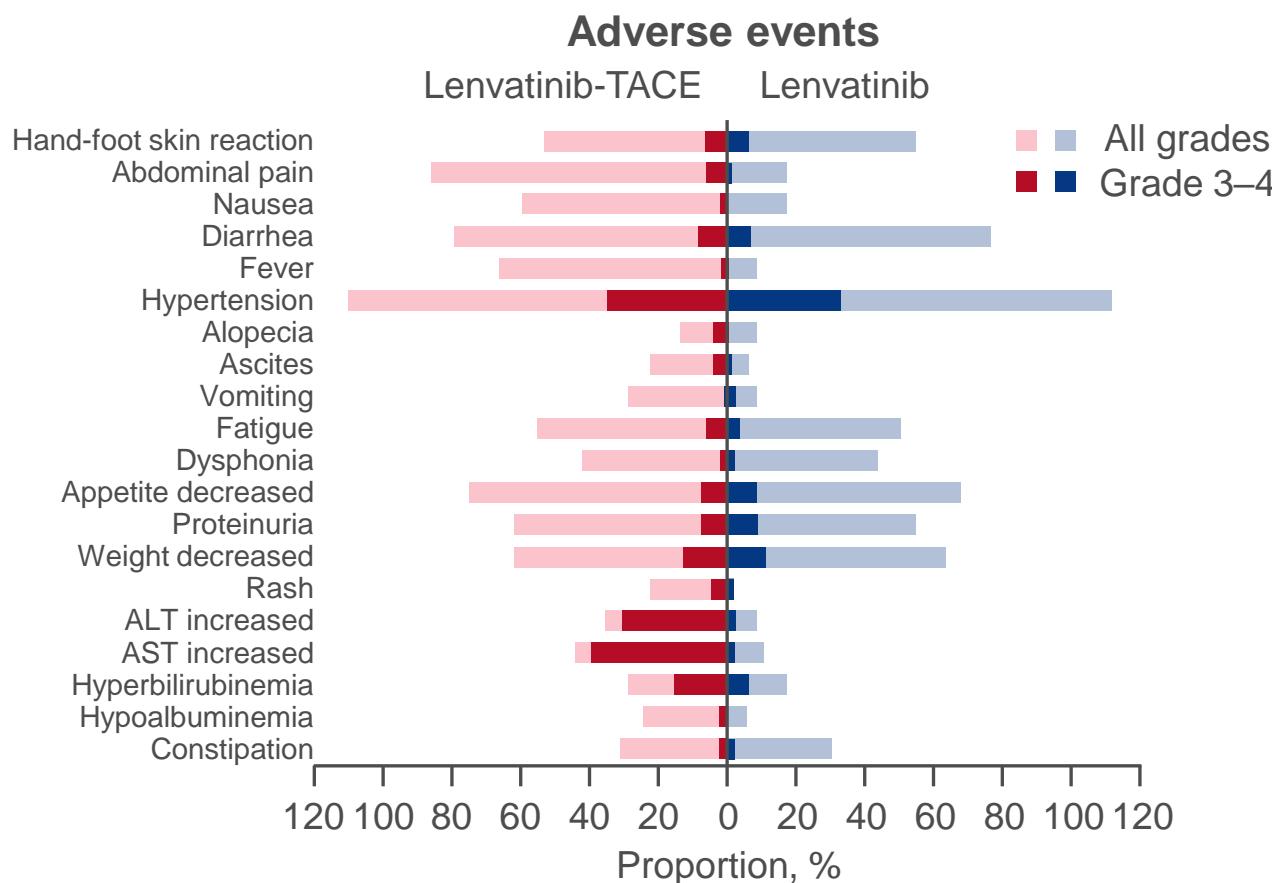
Key results



380: Lenvatinib combined with transarterial chemoembolization as first-line treatment of advanced hepatocellular carcinoma: A phase 3, multicenter, randomized controlled trial – Peng Z, et al

Key results (cont.)

| | Lenvatinib + TACE (n=170) | Lenvatinib (n=168) | p-value |
|------------|------------------------------|-----------------------|---------|
| ORR, n (%) | 78 (45.9) | 35 (20.8) | <0.001 |
| BOR, n (%) | | | |
| CR | 1 (0.6) | 1 (0.6) | 0.993 |
| PR | 77 (45.3) | 34 (20.2) | <0.001 |
| SD | 79 (46.5) | 87 (51.8) | 0.328 |
| PD | 13 (7.6) | 46 (27.4) | <0.001 |
| DCR, n (%) | 157 (92.4) | 122 (72.6) | <0.001 |



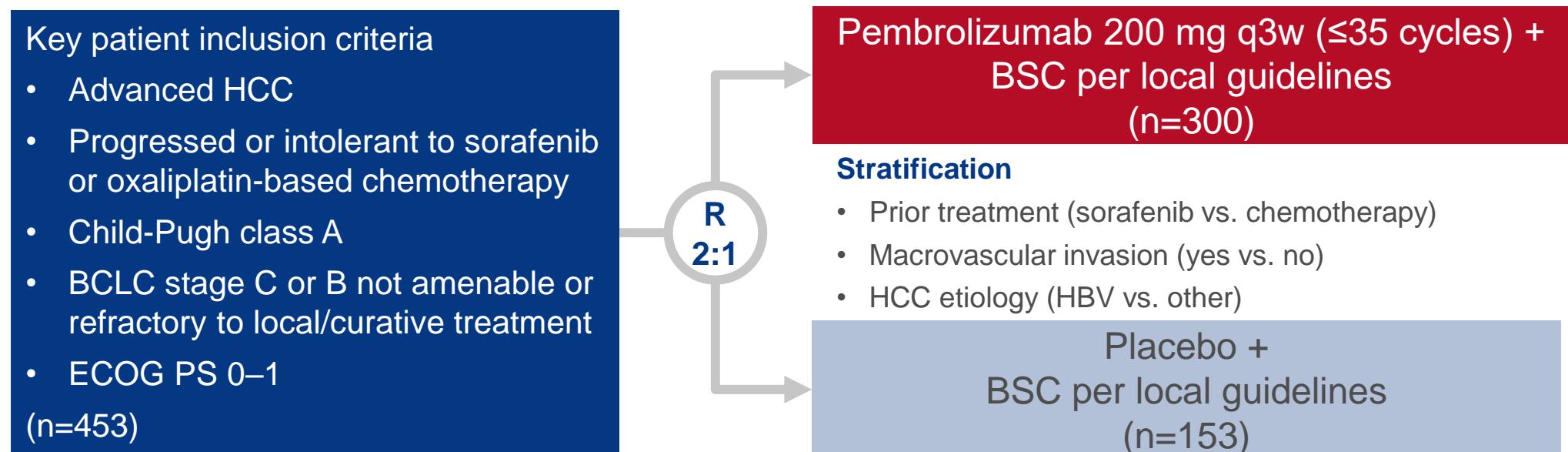
Conclusions

- In treatment naïve patients with advanced HCC, lenvatinib + TACE was feasible and demonstrated improvements in outcomes as well as an acceptable safety profile

383: Pembrolizumab plus best supportive care versus placebo plus best supportive care as second-line therapy in patients in Asia with advanced hepatocellular carcinoma (HCC): Phase 3 KEYNOTE-394 study – Qin S, et al

Study objective

- To evaluate the efficacy and safety of pembrolizumab + BSC in patients with advanced HCC in Asian centers in the KEYNOTE-394 study



PRIMARY ENDPOINT

- OS

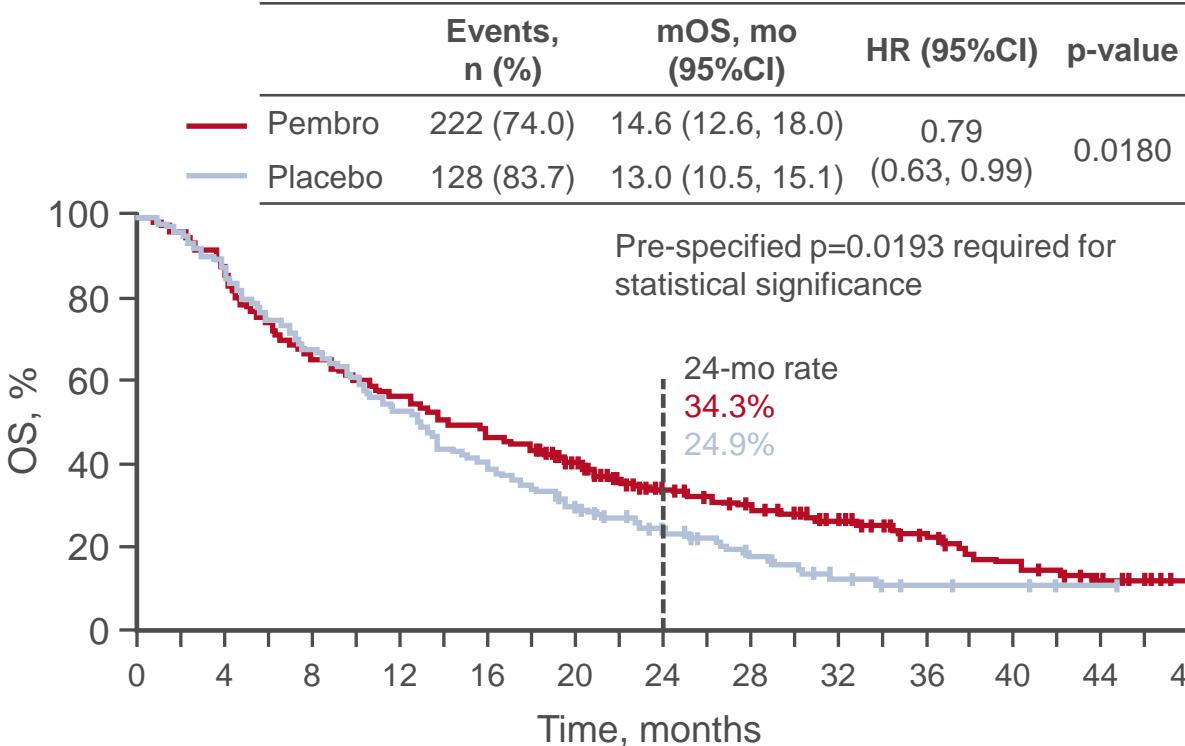
SECONDARY ENDPOINTS

- PFS, ORR, DoR, DCR, TTP, safety

383: Pembrolizumab plus best supportive care versus placebo plus best supportive care as second-line therapy in patients in Asia with advanced hepatocellular carcinoma (HCC): Phase 3 KEYNOTE-394 study – Qin S, et al

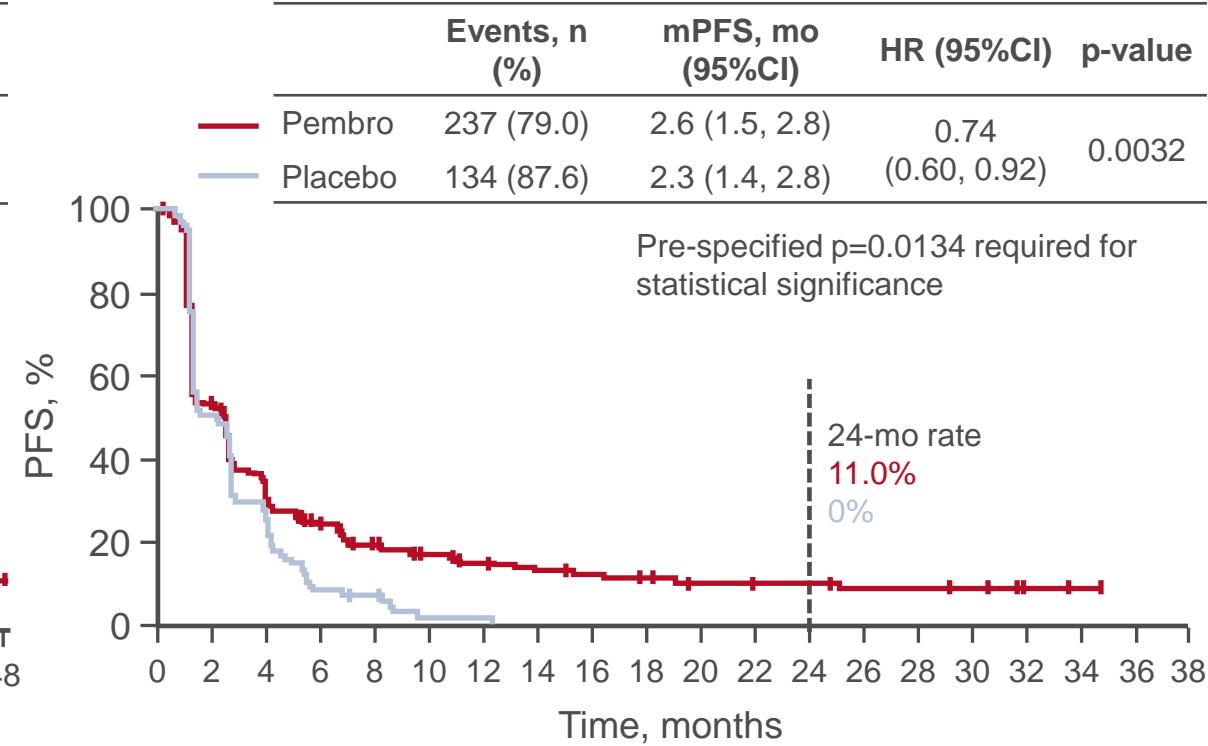
Key results

Overall survival



| No. at risk | |
|-------------|--|
| Pembro | 300 290 260 225 199 185 171 154 143 134 115 90 78 69 61 53 39 32 24 16 14 11 7 4 0 0 |
| Placebo | 153 148 135 116 104 94 81 67 62 54 44 37 31 25 19 16 9 6 5 3 3 1 1 0 0 0 |

Progression-free survival



| | | | | | | | | | | | | | | | | | | | |
|-----|-----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|
| 300 | 149 | 97 | 62 | 44 | 31 | 26 | 21 | 19 | 16 | 12 | 11 | 11 | 7 | 7 | 6 | 3 | 1 | 0 | 0 |
| 153 | 72 | 35 | 8 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

383: Pembrolizumab plus best supportive care versus placebo plus best supportive care as second-line therapy in patients in Asia with advanced hepatocellular carcinoma (HCC): Phase 3 KEYNOTE-394 study – Qin S, et al

Key results (cont.)

| | Pembrolizumab (n=300) | Placebo (n=153) |
|------------------|--------------------------|--------------------|
| ORR, % (95%CI) | 12.7 (9.1, 17.0) | 1.3 (0.2, 4.6) |
| BOR, n (%) | | |
| CR | 6 (2.0) | 1 (0.7) |
| PR | 32 (10.7) | 1 (0.7) |
| SD | 115 (38.3) | 70 (45.8) |
| Sustained SD | 26 (8.7) | 8 (5.2) |
| PD | 129 (43.0) | 72 (47.1) |
| NE | 10 (3.3) | 1 (0.7) |
| NA | 8 (2.7) | 8 (5.2) |
| mDoR, mo (range) | 23.9 (2.8–32.0+) | 5.6 (3.0+–5.6) |

| AEs, n (%) | Pembrolizumab (n=299) | Placebo (n=153) |
|------------------------|--------------------------|--------------------|
| TRAE | 200 (66.9) | 76 (49.7) |
| Grade 3–5 | 43 (14.4) | 9 (5.9) |
| Led to discontinuation | 12 (4.0) | 1 (0.7) |
| Led to death | 3 (1.0) | 0 |
| Immune-mediated | 54 (18.1) | 16 (10.5) |
| Grade 3–5 | 9 (3.0) | 0 |
| Led to discontinuation | 5 (1.7) | 0 |
| Led to death | 1 (0.3) | 0 |
| Hepatitis | 5 (1.7) | 0 |

Conclusions

- In previously treated patients with advanced HCC, pembrolizumab + BSC demonstrated significant improvement in outcomes and had a manageable safety profile

Cancers of the pancreas, small bowel and hepatobiliary tract

BILIARY TRACT CANCER

378: A phase 3 randomized, double-blind, placebo-controlled study of durvalumab in combination with gemcitabine plus cisplatin (GemCis) in patients (pts) with advanced biliary tract cancer (BTC): TOPAZ-1 – Oh D-Y, et al

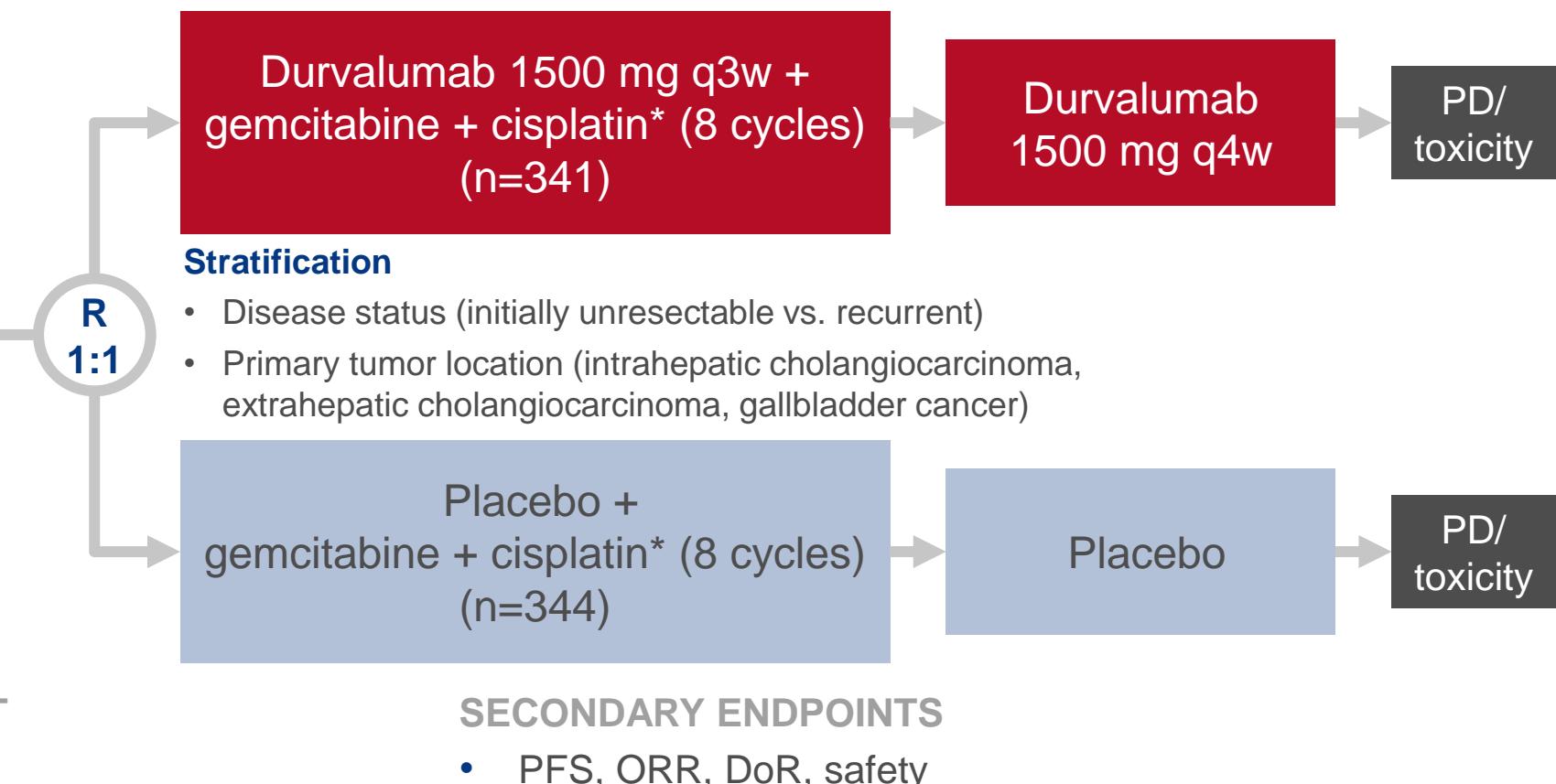
Study objective

- To evaluate the efficacy and safety of durvalumab + gemcitabine + cisplatin in patients with advanced biliary tract cancer in the TOPAZ-1 study

Key patient inclusion criteria

- Locally advanced or metastatic biliary tract cancer
- Treatment naïve if unresectable or metastatic at initial diagnosis
- ECOG PS 0–1

(n=685)

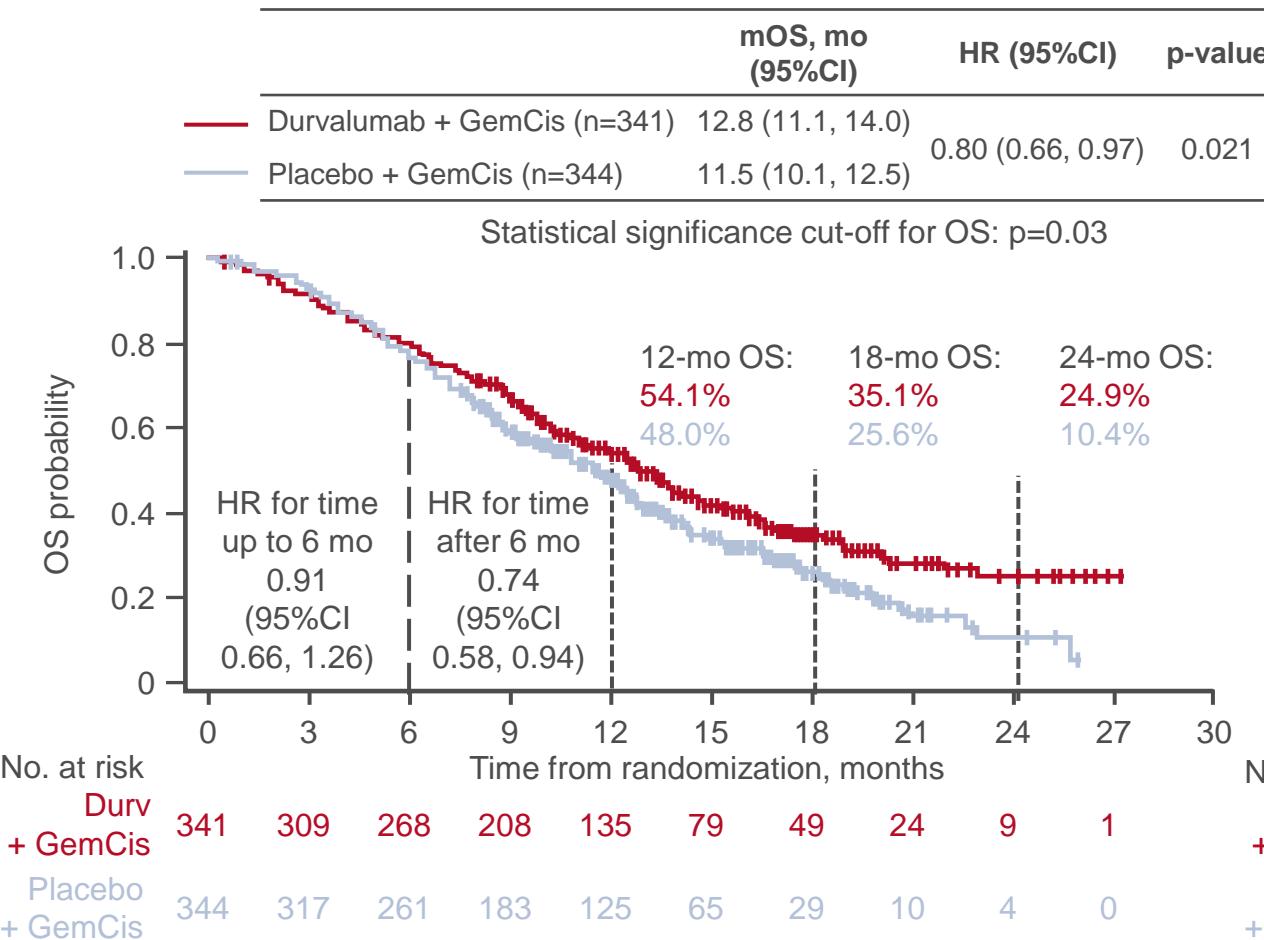


*Gemcitabine 1000 mg/m² + cisplatin 25 mg/m² D1, 8 q3w

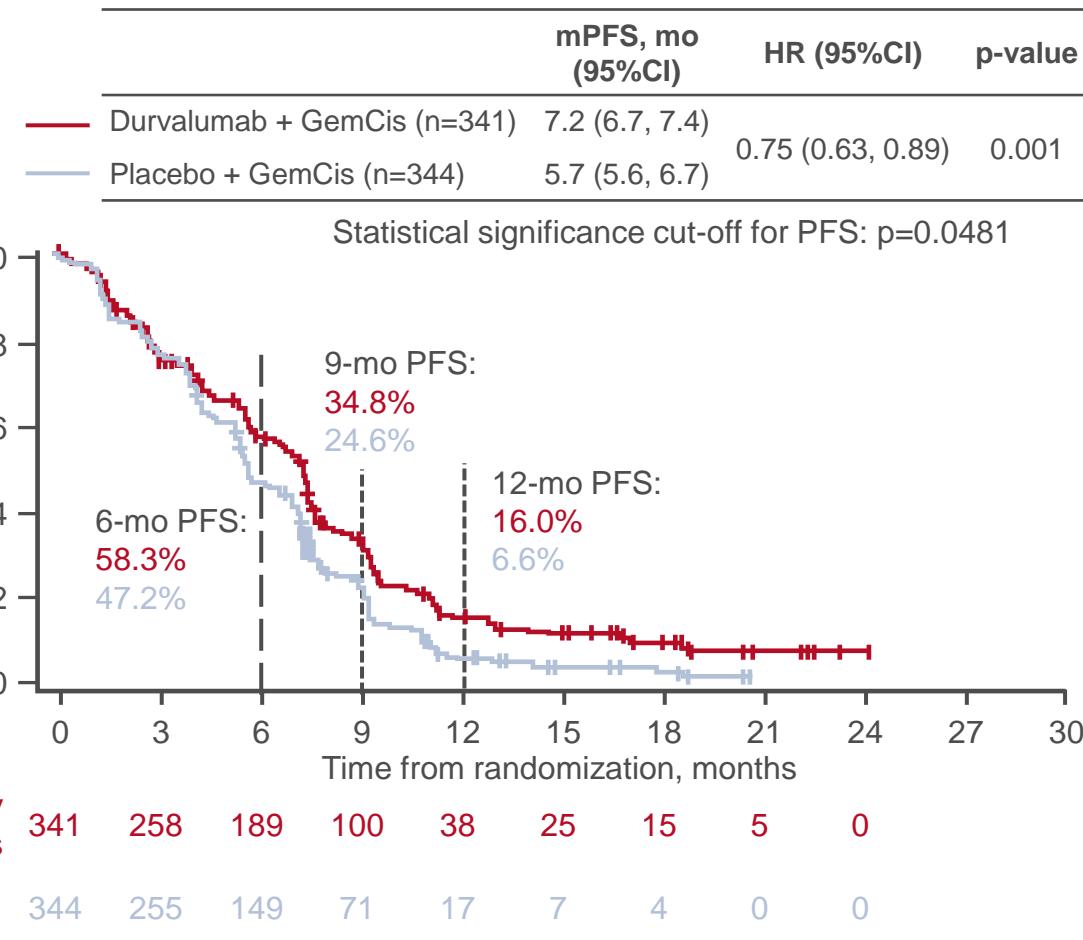
378: A phase 3 randomized, double-blind, placebo-controlled study of durvalumab in combination with gemcitabine plus cisplatin (GemCis) in patients (pts) with advanced biliary tract cancer (BTC): TOPAZ-1 – Oh D-Y, et al

Key results

Overall survival



Progression-free survival



378: A phase 3 randomized, double-blind, placebo-controlled study of durvalumab in combination with gemcitabine plus cisplatin (GemCis) in patients (pts) with advanced biliary tract cancer (BTC): TOPAZ-1 – Oh D-Y, et al

Key results (cont.)

| | Durvalumab + GemCis (n=341) | Placebo + GemCis (n=343) |
|--------------------------|--------------------------------|-----------------------------|
| ORR, n (%) | 91 (26.7) | 64 (18.7) |
| OR (95%CI); p-value | 1.60 (1.11, 2.31); 0.011 | |
| BOR, n (%) | | |
| CR | 7 (2.1) | 2 (0.6) |
| PR | 84 (24.6) | 62 (18.1) |
| DCR, n (%) | 291 (85.3) | 274 (82.6) |
| | n=91 | n=64 |
| mDoR, mo (1, 3 quartile) | 6.4 (4.6, 17.2) | 6.2 (3.8, 9.0) |
| mTTR, mo (1, 3 quartile) | 1.6 (1.3, 3.0) | 2.7 (1.4, 4.1) |

| TRAEs, n (%) | Durvalumab + GemCis (n=338) | Placebo + GemCis (n=342) |
|------------------------|--------------------------------|-----------------------------|
| Any | 314 (92.9) | 308 (90.1) |
| Grade 3–4 | 212 (62.7) | 222 (64.9) |
| Serious | 53 (15.7) | 59 (17.3) |
| Led to discontinuation | 30 (8.9) | 39 (11.4) |
| Led to death | 2 (0.6) | 1 (0.3) |

Conclusions

- In patients with advanced biliary tract cancer, 1L durvalumab + gemcitabine + cisplatin demonstrated a significant improvement in survival compared with gemcitabine + cisplatin with an acceptable safety profile

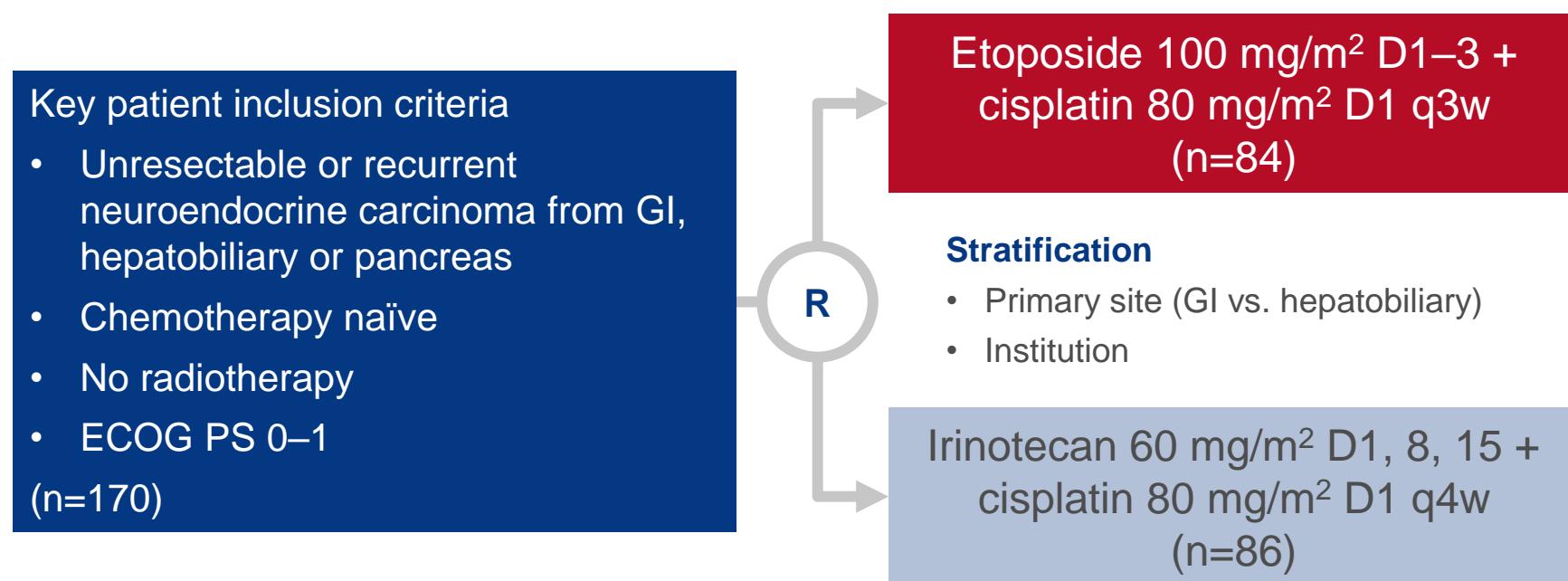
Cancers of the pancreas, small bowel and hepatobiliary tract

NEUROENDOCRINE TUMOUR

501: Randomized phase III study of etoposide plus cisplatin versus irinotecan plus cisplatin in advanced neuroendocrine carcinoma of the digestive system: A Japan Clinical Oncology Group study (JCOG1213) – Morizane C, et al

Study objective

- To evaluate the efficacy and safety of etoposide + cisplatin vs. irinotecan + cisplatin in patients with neuroendocrine carcinoma of the digestive system in Japanese centers in the JCOG1213 study



PRIMARY ENDPOINT

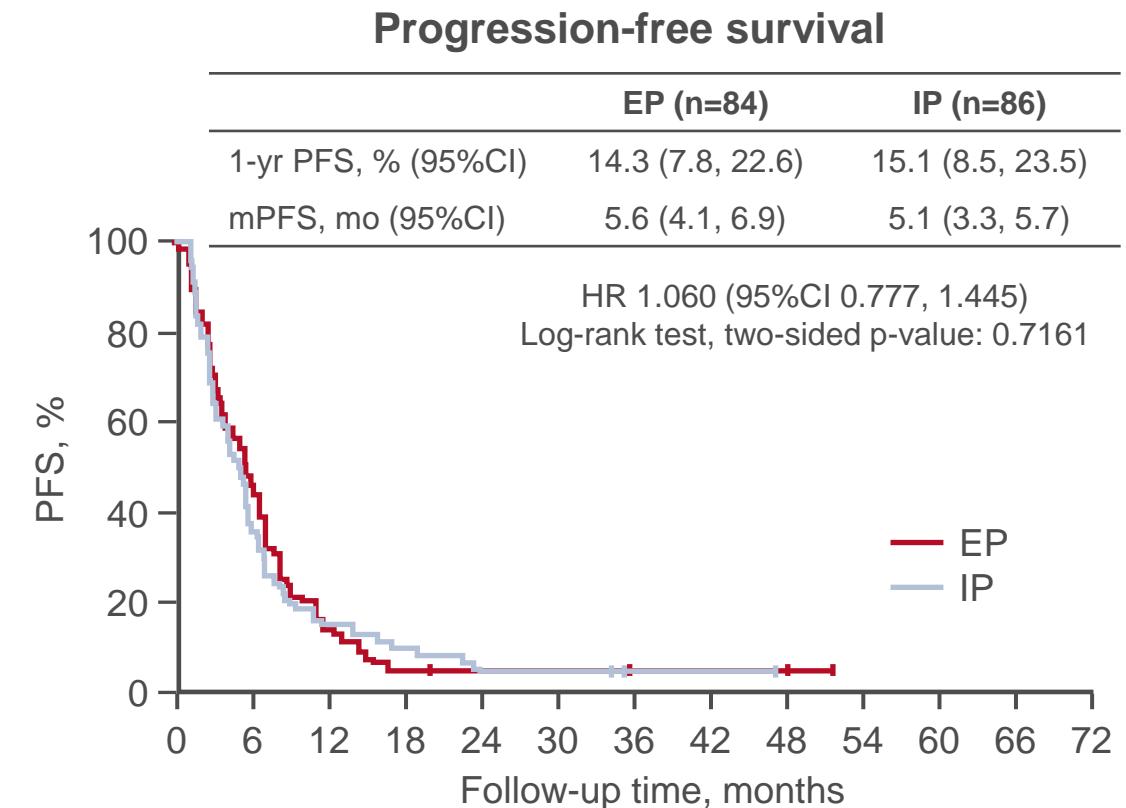
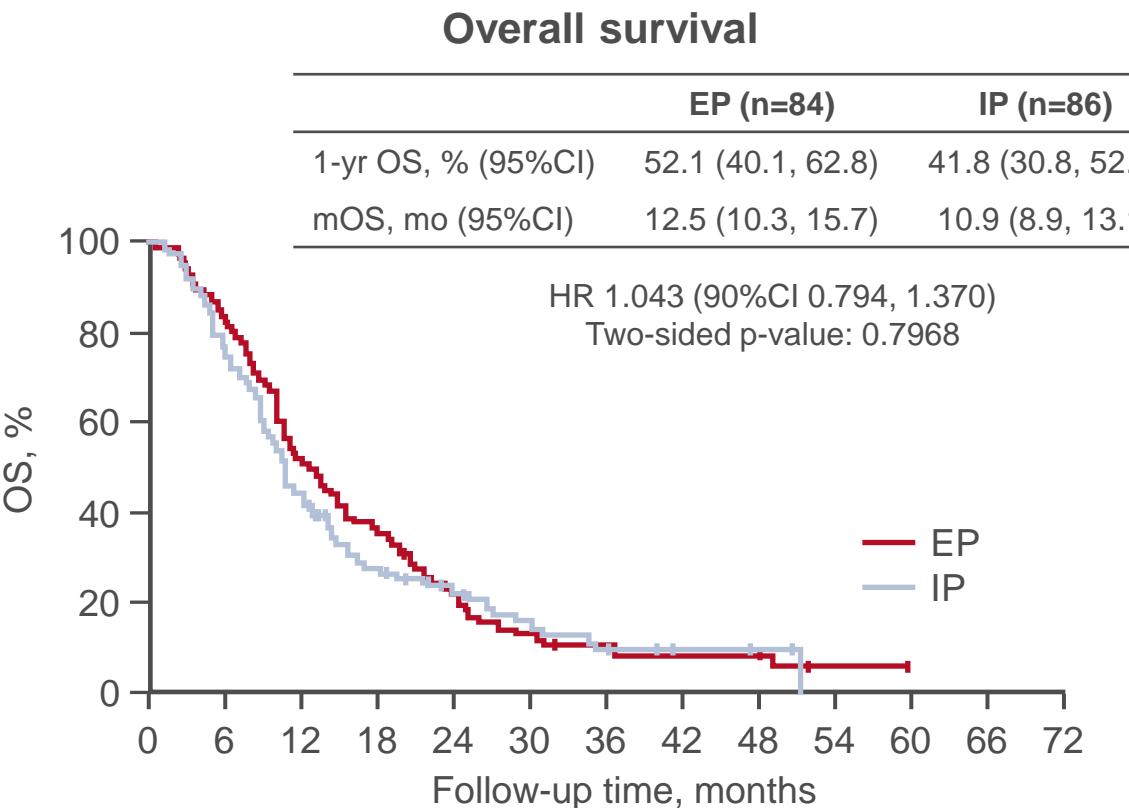
- OS

SECONDARY ENDPOINTS

- PFS, RR, safety

501: Randomized phase III study of etoposide plus cisplatin versus irinotecan plus cisplatin in advanced neuroendocrine carcinoma of the digestive system: A Japan Clinical Oncology Group study (JCOG1213) – Morizane C, et al

Key results



501: Randomized phase III study of etoposide plus cisplatin versus irinotecan plus cisplatin in advanced neuroendocrine carcinoma of the digestive system: A Japan Clinical Oncology Group study (JCOG1213) – Morizane C, et al

Key results (cont.)

| | Etoposide + cisplatin (n=77) | Irinotecan + cisplatin (n=80) |
|----------------|---------------------------------|----------------------------------|
| ORR, % (95%CI) | 54.5 (42.8, 65.9) | 52.5 (41.0, 63.8) |
| BOR, n (%) | | |
| CR | 0 | 1 (1.3) |
| PR | 42 (54.5) | 41 (51.3) |
| SD | 24 (31.2) | 25 (31.3) |
| PD | 10 (13.0) | 12 (15.0) |
| NE | 1 (1.3) | 1 (1.3) |

| Grade 3–4 AEs occurring in ≥10%, % | Etoposide + cisplatin (n=82) | Irinotecan + cisplatin (n=82) |
|------------------------------------|------------------------------|-------------------------------|
| Neutrophil count decreased | 91.5 | 53.7 |
| WBC count decreased | 61.0 | 30.5 |
| Febrile neutropenia | 26.8 | 12.2 |
| Anemia | 25.6 | 17.1 |
| Anorexia | 13.4 | 15.9 |
| ALT increased | 13.4 | 9.8 |
| Hyponatremia | 13.4 | 8.5 |
| Platelet count decreased | 12.2 | 3.7 |
| Fatigue | 11.0 | 8.5 |

Conclusions

- In patients with advanced neuroendocrine carcinoma of the digestive system, neither of the regimens could prove superiority. Both cisplatin-etoposide or cisplatin-irinotecan combinations remain the standard 1L chemotherapy options

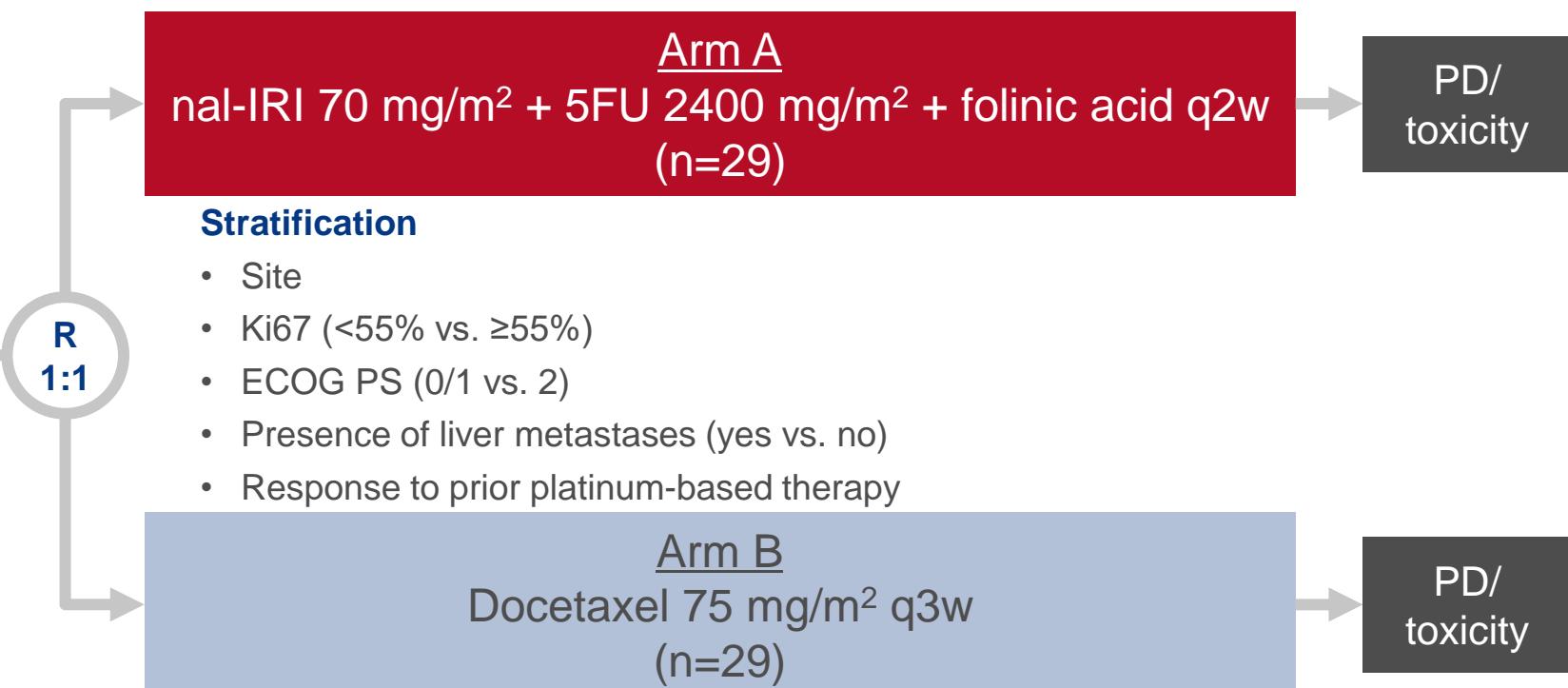
4005: NET-02: A multicenter, randomized, phase II trial of liposomal irinotecan (nal-IRI) and 5-fluorouracil (5-FU)/folinic acid or docetaxel as second-line therapy in patients (pts) with progressive poorly differentiated extra-pulmonary neuroendocrine carcinoma (PD-EP-NEC) – McNamara MG, et al

Study objective

- To evaluate the efficacy and safety of 2L liposomal irinotecan (nal-IRI) + 5FU or docetaxel in patients with progressive poorly differentiated extra-pulmonary neuroendocrine carcinoma in UK centers in the phase 2 NET-02 study

Key patient inclusion criteria

- Poorly differentiated extra-pulmonary neuroendocrine carcinoma
 - Disease progression or discontinuation due to intolerance of prior 1L platinum-based chemotherapy
 - Ki67 >20%
 - ECOG PS 0–2
- (n=58)



PRIMARY ENDPOINT

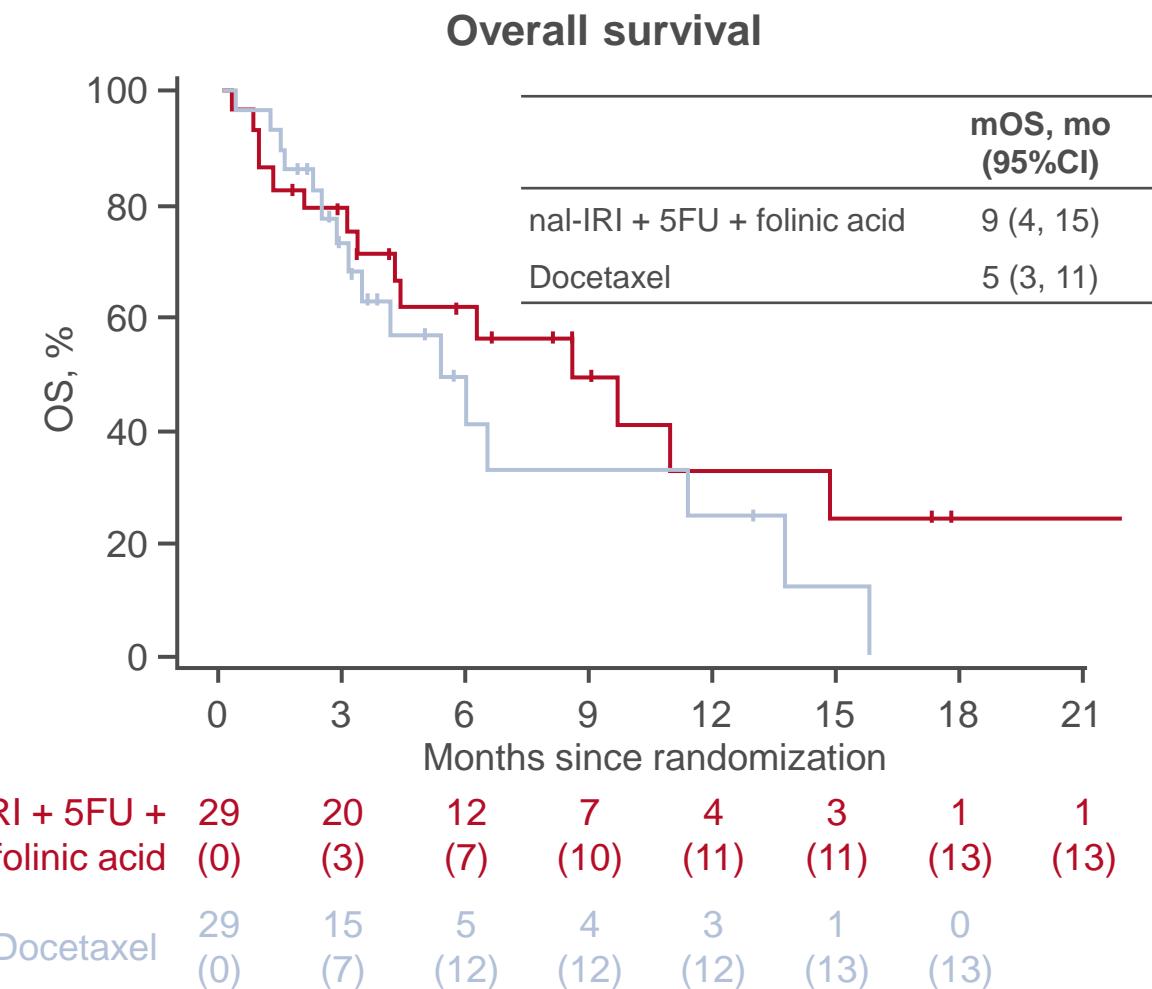
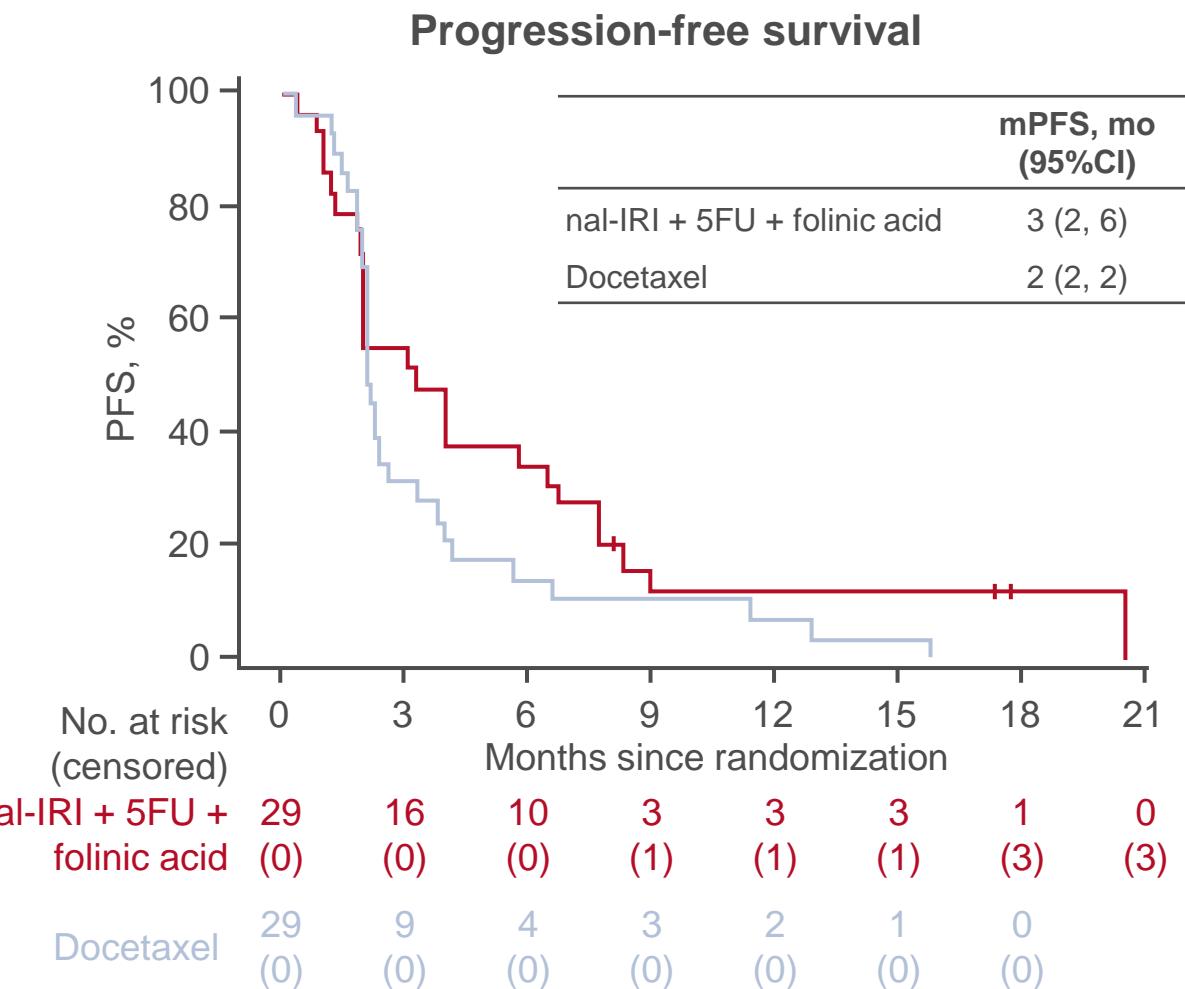
- 6-month PFS rate

SECONDARY ENDPOINTS

- ORR, PFS, OS, QoL, safety

4005: NET-02: A multicenter, randomized, phase II trial of liposomal irinotecan (nal-IRI) and 5-fluorouracil (5-FU)/folinic acid or docetaxel as second-line therapy in patients (pts) with progressive poorly differentiated extra-pulmonary neuroendocrine carcinoma (PD-EP-NEC)
– McNamara MG, et al

Key results



4005: NET-02: A multicenter, randomized, phase II trial of liposomal irinotecan (nal-IRI) and 5-fluorouracil (5-FU)/folinic acid or docetaxel as second-line therapy in patients (pts) with progressive poorly differentiated extra-pulmonary neuroendocrine carcinoma (PD-EP-NEC)
– McNamara MG, et al

Key results (cont.)

| Outcome | nal-IRI + 5FU + folinic acid | Docetaxel | AEs, n (%) | nal-IRI + 5FU + folinic acid (n=29) | Docetaxel (n=29) |
|------------------|------------------------------|------------------|-----------------------|--|---------------------|
| 6-mo PFS rate, % | 31 | 13.8 | Any | 27 (93.1) | 28 (96.6) |
| ORR, % (95%CI) | 10.3 (2.2, 27.4) | 10.3 (2.2, 27.4) | Grade ≥3 | 16 (55.2) | 17 (58.6) |
| | | | Serious | 10 (34.5) | 7 (24.1) |
| | | | Led to dose reduction | 8 (28) | 8 (28) |

Conclusions

- In patients with progressive poorly differentiated extra-pulmonary neuroendocrine carcinoma, liposomal irinotecan + 5FU + folinic acid met the primary endpoint of improving 6-month PFS rate and there were no new safety signals reported

CANCERS OF THE COLON, RECTUM AND ANUS

9: Association of circulating tumor DNA dynamics with clinical outcomes in the adjuvant setting for patients with colorectal cancer from an observational GALAXY study in CIRCULATE-Japan – Kotaka M, et al

Study objective

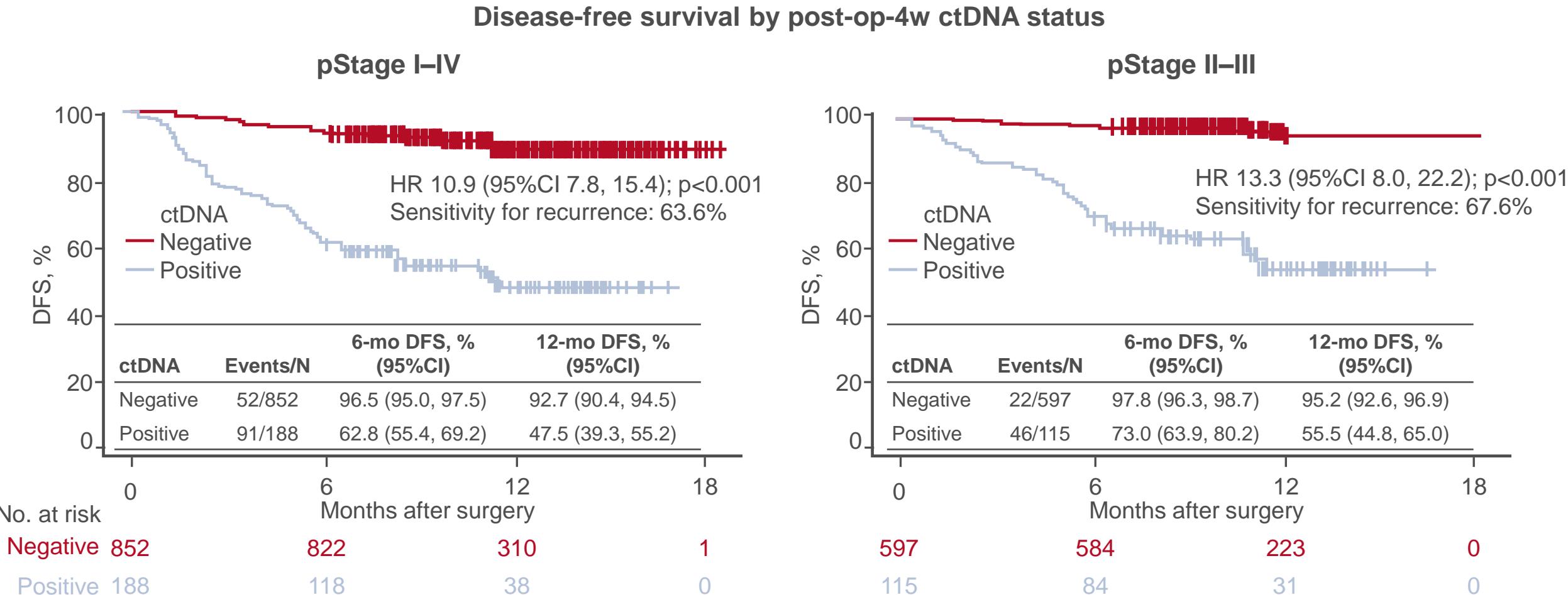
- To evaluate whether ctDNA-based molecular residual disease (MRD) can be used for selecting patients with CRC who will benefit from SoC adjuvant chemotherapy (ACT) – an analysis of the GALAXY study conducted in Japanese centers

Methods

- Patients with CRC (n=1040) had post-surgical MRD measured using a personalized tumor-informed assay (Signatera bespoke multiplex PCR NGS)
- Blood samples were collected before surgery and 4, 12, 24, 36, 48, 72 and 96 weeks after surgery
- Associations with MRD and 6-month DFS were assessed
- The following cohorts were examined: dynamics analysis, n=838; clearance analysis (all outcomes), n=183 (post-op-4w ctDNA positive) and ctDNA negative, n=521 (post-op-4w ctDNA negative)

9: Association of circulating tumor DNA dynamics with clinical outcomes in the adjuvant setting for patients with colorectal cancer from an observational GALAXY study in CIRCULATE-Japan – Kotaka M, et al

Key results



9: Association of circulating tumor DNA dynamics with clinical outcomes in the adjuvant setting for patients with colorectal cancer from an observational GALAXY study in CIRCULATE-Japan – Kotaka M, et al

Key results (cont.)

| ctDNA dynamics from 4w to 12w postoperative timepoint | Neg > Neg | Neg > Pos | Pos > Neg | Pos > Pos |
|---|------------------------|-------------------------|-----------|--------------------------|
| Events/N | 31/660 | 13/32 | 4/62 | 50/84 |
| 6-mo DFS rate, % | 98.0 | 62.5 | 100 | 58.3 |
| HR (95%CI); p-value | 0.8 (0.27, 2.15); 0.60 | 9.2 (3.0, 28.4); <0.001 | Ref. | 15.8 (5.7, 44.2); <0.001 |

| DFS | ctDNA positive population | | | | | | | | ctDNA negative population | |
|---------------------|---------------------------|-------------------|-------------------------|------------------|----------------------|-------------------|----------------------|-------------------|---------------------------|-------------|
| | High-risk pStage II | | | | pStage III | | pStage IV | | High-risk pStage II–III | |
| | With ACT | Without ACT | With ACT | Without ACT | With ACT | Without ACT | With ACT | Without ACT | With ACT | Without ACT |
| Events/N | 1/9 | 7/13 | 17/65 | 19/25 | 9/22 | 35/46 | 7/214 | 12/317 | | |
| 12-mo DFS rate, % | 88.9 (43.3, 98.4) | 46.2 (19.2, 69.6) | 68.3 (53.4, 79.2) | 24.0 (9.8, 41.7) | 53.7 (28.4, 73.6) | 22.3 (11.2, 35.7) | 96.2 (92.1, 98.2) | 94.7 (90.5, 97.1) | | |
| HR (95%CI); p-value | 9.4 (1.1, 79.1); 0.04 | | 8.8 (3.9, 19.5); <0.001 | | 2.4 (1.1, 5.2); 0.02 | | 1.3 (0.5, 3.6); 0.63 | | | |

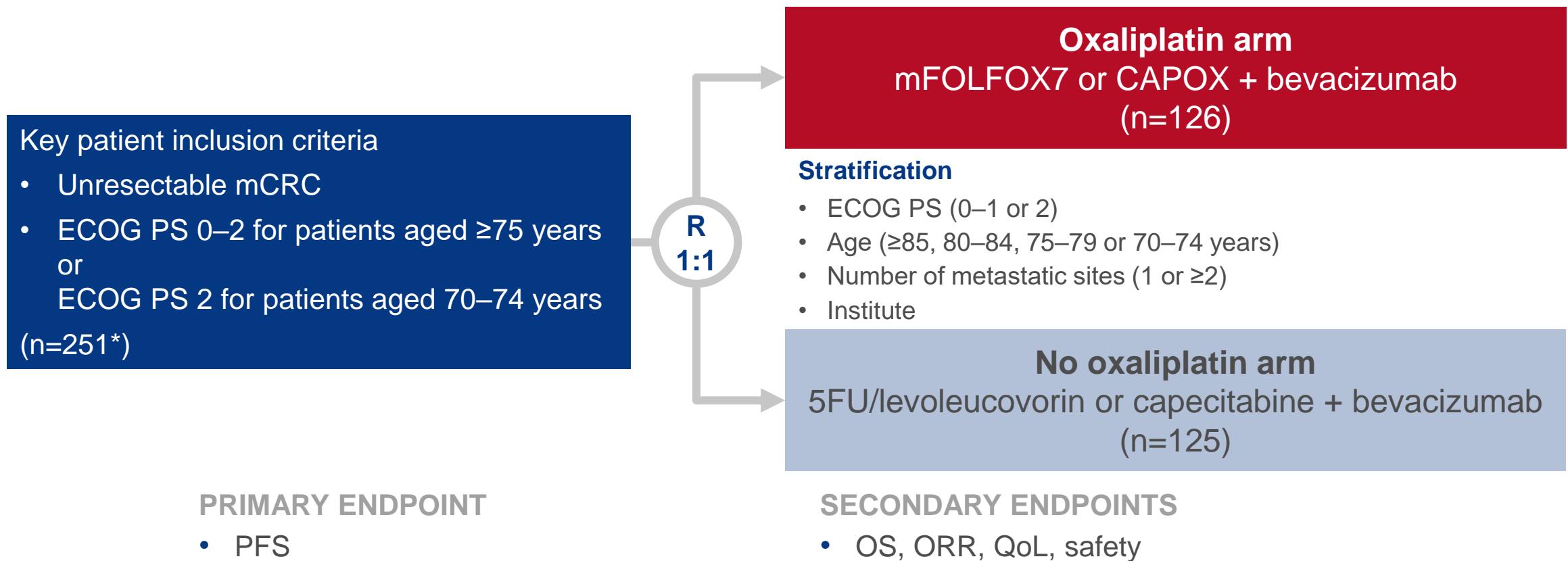
Conclusions

- In patients with CRC, using the personalized tumor-informed assay to stratify post-surgical decisions was able to identify patients likely to benefit from adjuvant chemotherapy across all stages

10: A randomized phase III trial of mFOLFOX7 or CapeOX plus bevacizumab versus 5-FU/LV or capecitabine plus bevacizumab as initial therapy in elderly patients with metastatic colorectal cancer: JCOG1018 study (RESPECT) – Hamaguchi T, et al

Study objective

- To evaluate the efficacy and safety of the addition of oxaliplatin to fluoropyrimidine + bevacizumab in elderly patients with mCRC in Japanese centers in the RESPECT study



*Protocol was amended owing to poor accrual and delays to 250 patients rather than 380 patients

Hamaguchi T, et al. J Clin Oncol 2022;40(suppl):abstr 10

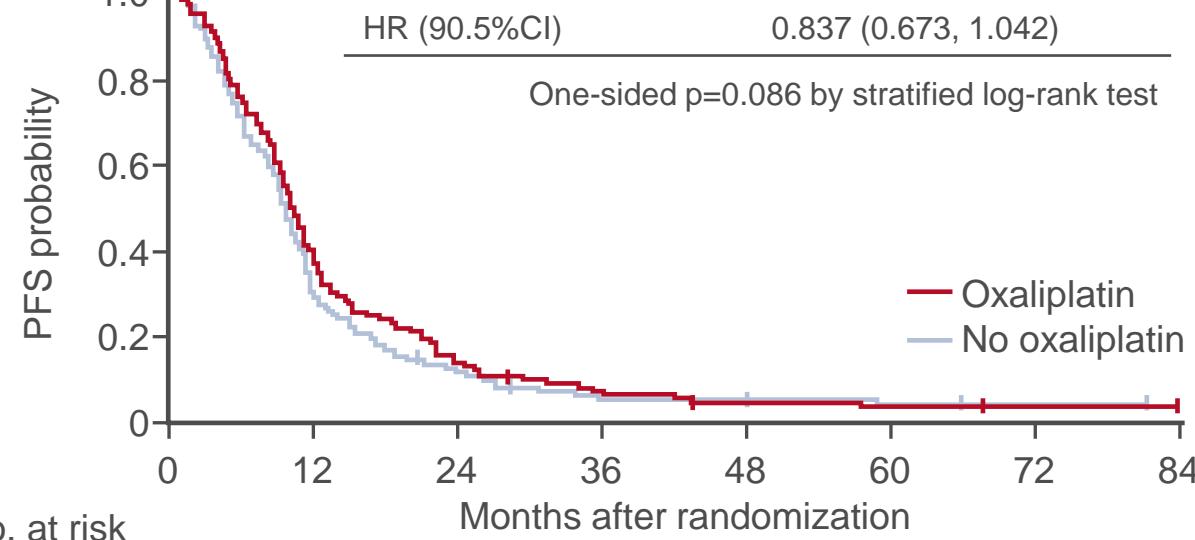
10: A randomized phase III trial of mFOLFOX7 or CapeOX plus bevacizumab versus 5-FU/LV or capecitabine plus bevacizumab as initial therapy in elderly patients with metastatic colorectal cancer: JCOG1018 study (RESPECT) – Hamaguchi T, et al

Key results

Progression-free survival

| | No oxaliplatin (n=125) | Oxaliplatin (n=126) |
|------------------|---------------------------|------------------------|
| Events, n | 119 | 122 |
| mPFS, mo (95%CI) | 9.4 (8.33, 10.3) | 10.0 (9.0, 11.2) |
| HR (90.5%CI) | 0.837 (0.673, 1.042) | |

One-sided p=0.086 by stratified log-rank test

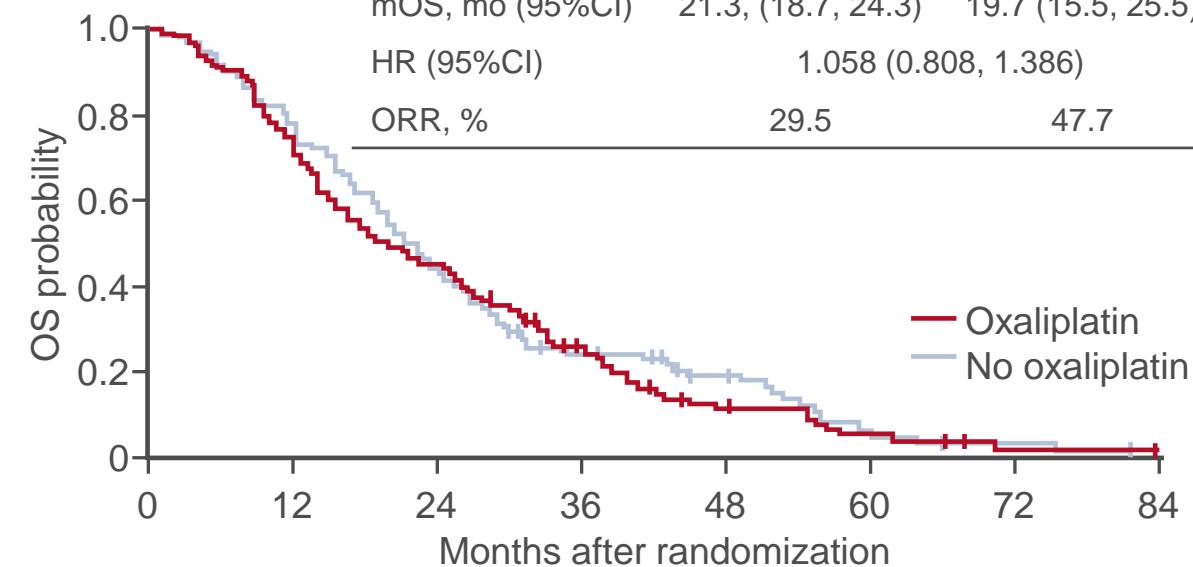


No. at risk

| | | | | | | | |
|--------------------|----|----|---|---|---|---|---|
| No oxaliplatin 125 | 35 | 12 | 4 | 4 | 2 | 1 | 0 |
| Oxaliplatin 126 | 46 | 16 | 7 | 3 | 2 | 1 | 0 |

Overall survival

| | No oxaliplatin (n=125) | Oxaliplatin (n=126) |
|-----------------|---------------------------|------------------------|
| Events, n | 109 | 114 |
| mOS, mo (95%CI) | 21.3, (18.7, 24.3) | 19.7 (15.5, 25.5) |
| HR (95%CI) | 1.058 (0.808, 1.386) | |
| ORR, % | 29.5 | 47.7 |



| | | | | | | | | |
|--------------------|-----|----|----|----|----|---|---|---|
| No oxaliplatin 125 | 125 | 95 | 54 | 24 | 15 | 4 | 2 | 0 |
| Oxaliplatin 126 | 126 | 91 | 57 | 28 | 11 | 5 | 1 | 0 |

10: A randomized phase III trial of mFOLFOX7 or CapeOX plus bevacizumab versus 5-FU/LV or capecitabine plus bevacizumab as initial therapy in elderly patients with metastatic colorectal cancer: JCOG1018 study (RESPECT) – Hamaguchi T, et al

Key results (cont.)

| AEs, n (%) | | Oxaliplatin arm (n=123) | No oxaliplatin arm (n=124) |
|-------------------------------|--------------------|-------------------------|----------------------------|
| Grade 3–4 hematological | Neutropenia | 29 (24) | 18 (15) |
| Grade 2–4 non-hematological | Sensory neuropathy | 70 (57) | 19 (15) |
| | Fatigue | 39 (32) | 26 (21) |
| | Nausea | 27 (22) | 12 (10) |
| | Diarrhea | 20 (16) | 9 (7) |
| | Stomatitis | 14 (11) | 14 (11) |
| Grade 3–4 bevacizumab-related | Hypertension | 24 (20) | 19 (15) |
| | Thromboembolism | 3 (2) | 3 (2) |
| | Bleeding | 3 (2) | 1 (0.8) |
| Treatment-related death | | 3 (2) | 1 (0.8) |

Conclusions

- In elderly patients with mCRC, oxaliplatin combined with fluoropyrimidine + bevacizumab failed to provide any additional PFS benefit over fluoropyrimidine + bevacizumab alone and was associated with more frequent and severe AEs

11: Prognostic impact of early treatment discontinuation and early oxaliplatin discontinuation in patients treated with 6 months of oxaliplatin-based adjuvant chemotherapy for stage III colon cancer: an ACCENT/IDEA pooled analysis of 11 trials – Gallois C, et al

Study objective

- To evaluate the prognostic impact of early discontinuation of treatment (ETD) or oxaliplatin (EOD) in patients with stage III colon cancer

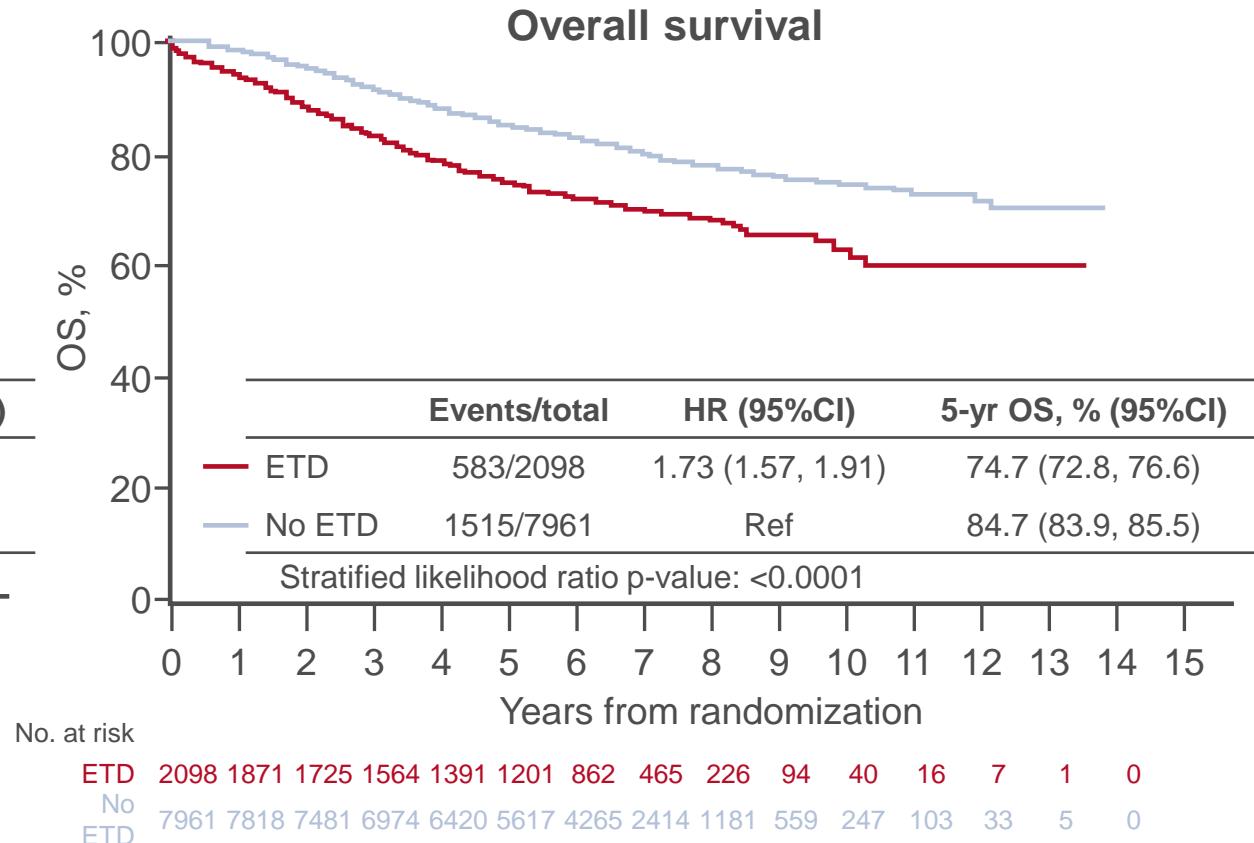
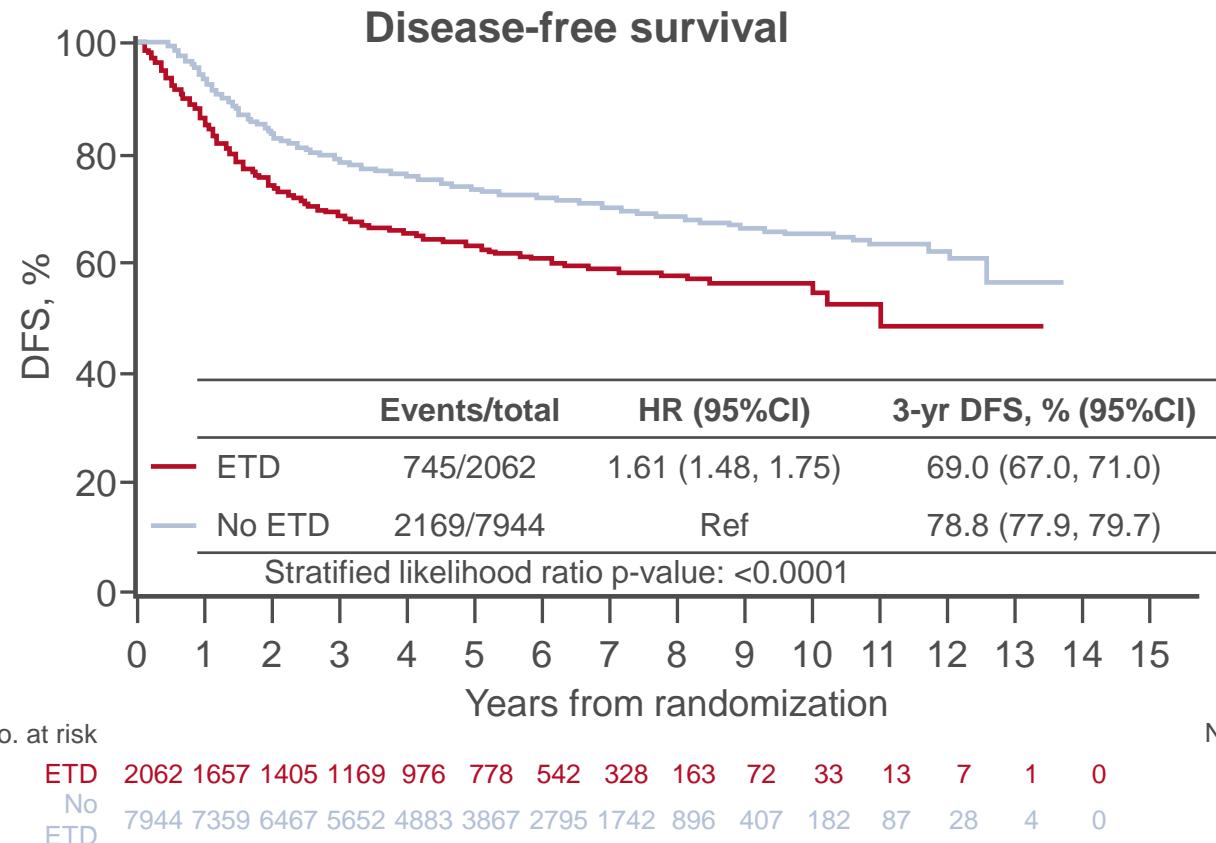
Methods

- Data from 11 clinical trials in the ACCENT and IDEA databases were collected for patients with stage III colon cancer (n=10,444) who were due to receive 6 months of adjuvant fluoropyrimidine + oxaliplatin (FOLFOX, n=7033 or CAPOX, n=3411)
- ETD was defined as discontinuation of treatment before 75% of planned chemotherapy cycles and EOD was defined as discontinuation of oxaliplatin before 75% of planned cycles only (fluoropyrimidine continued)
- A Cox model adjusted for prognostic factors was used to assess the associations between ETD and EOD with OS and DFS

11: Prognostic impact of early treatment discontinuation and early oxaliplatin discontinuation in patients treated with 6 months of oxaliplatin-based adjuvant chemotherapy for stage III colon cancer: an ACCENT/IDEA pooled analysis of 11 trials – Gallois C, et al

Key results

- ETD and EOD were associated with older age, female gender, ECOG PS ≥ 1 and CAPOX regimen along with malnutrition for ETD only



11: Prognostic impact of early treatment discontinuation and early oxaliplatin discontinuation in patients treated with 6 months of oxaliplatin-based adjuvant chemotherapy for stage III colon cancer: an ACCENT/IDEA pooled analysis of 11 trials – Gallois C, et al

Key results (cont.)

| Multivariate analysis | | DFS | | OS | |
|-----------------------|-----------------|------|---------|------|---------|
| ETD vs. no ETD | | HR | p-value | HR | p-value |
| Overall population | Low-risk group | 1.50 | <0.001 | 1.72 | <0.001 |
| | High-risk group | 1.34 | <0.001 | 1.38 | <0.001 |
| FOLFOX | Low-risk group | 1.63 | <0.001 | 1.96 | <0.001 |
| | High-risk group | 1.28 | 0.01 | 1.30 | 0.02 |
| CAPOX | Low-risk group | 1.03 | 0.9 | 1.02 | 0.9 |
| | High-risk group | 1.72 | 0.005 | 1.84 | 0.009 |

| Multivariate analysis | | DFS | | OS | |
|-----------------------|--|------|---------|------|---------|
| EOD vs. no EOD | | HR | p-value | HR | p-value |
| FOLFOX | | 0.91 | 0.3 | 0.95 | 0.7 |
| CAPOX | | 1.10 | 0.6 | 0.97 | 0.9 |
| Low-risk group | | 0.99 | 1.0 | 1.03 | 0.8 |
| | | 0.93 | 0.5 | 0.91 | 0.5 |

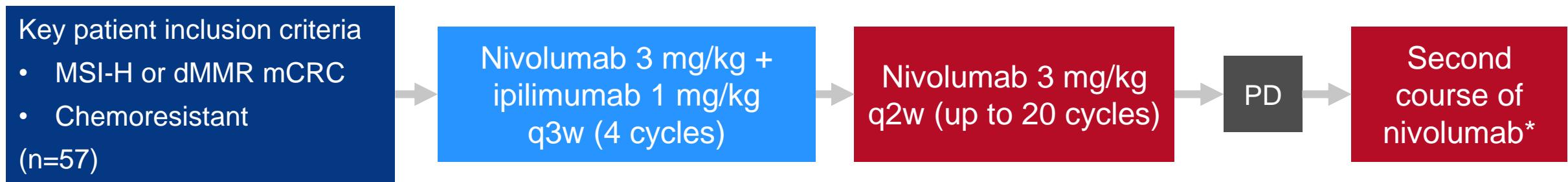
Conclusions

- In patients with stage III colon cancer scheduled to receive a 6-month adjuvant regimen, maintaining the planned number of treatment cycles appears to be important. Oxaliplatin should be stopped if grade ≥ 2 neurotoxicity occurs at any time point. In patients with grade 1–2 neurotoxicity, stopping oxaliplatin after 3 months of treatment does not seem impair clinical outcomes and is a potential valid option

13: One-year duration of nivolumab plus ipilimumab in patients (pts) with microsatellite instability-high/mismatch repair-deficient (MSI/dMMR) metastatic colorectal cancer (mCRC): Long-term follow-up of the GERCOR NIPICOL phase II study – Cohen R, et al

Study objective

- To evaluate the long-term efficacy and safety of nivolumab + ipilimumab in patients with MSI-H or dMMR mCRC in French centers in the phase 2 GERCOR NIPICOL study



PRIMARY ENDPOINT

- 12-week DCR (RECIST v1.1)

SECONDARY ENDPOINTS

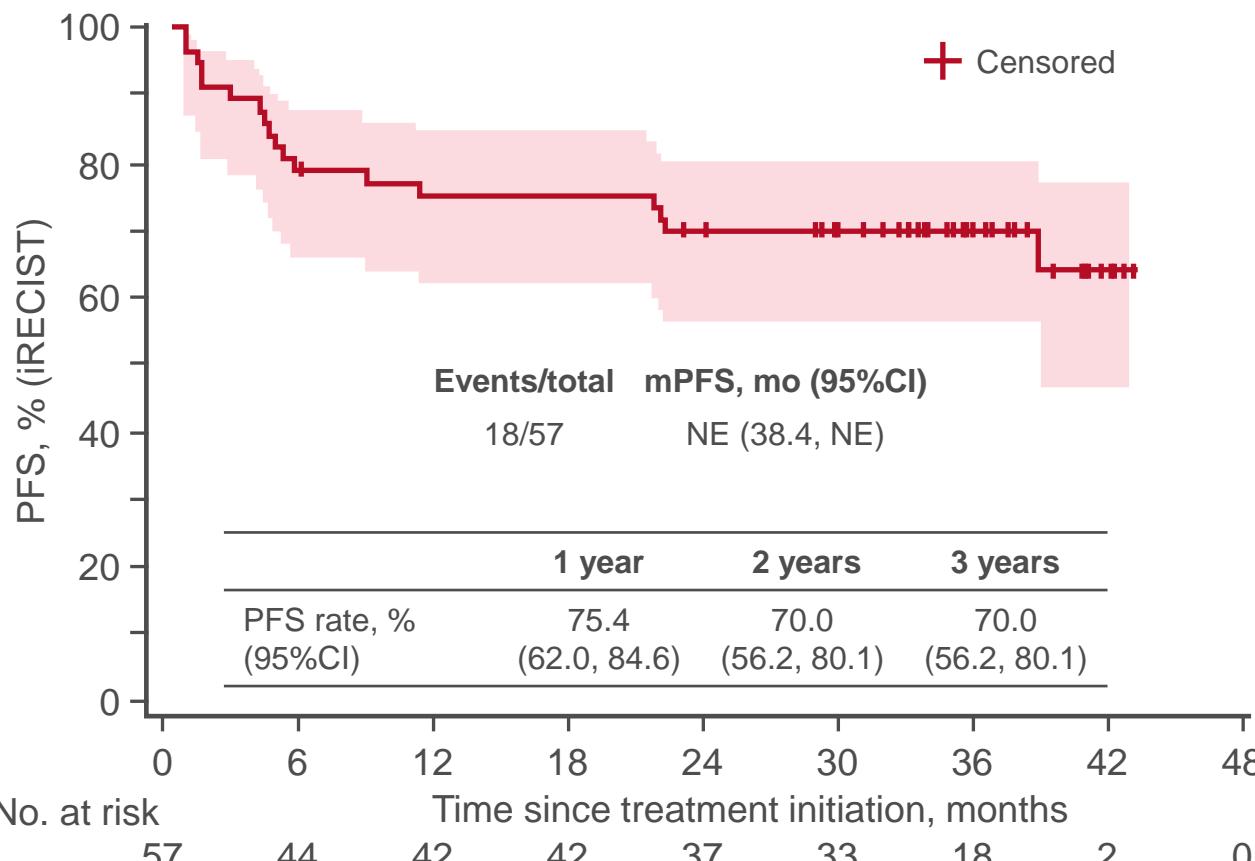
- DoR, PFS[†], safety

*For patients who completed 1 year of treatment and had later progressive disease;
†landmark analysis of patients free of progression and alive at 1 year (n=42)

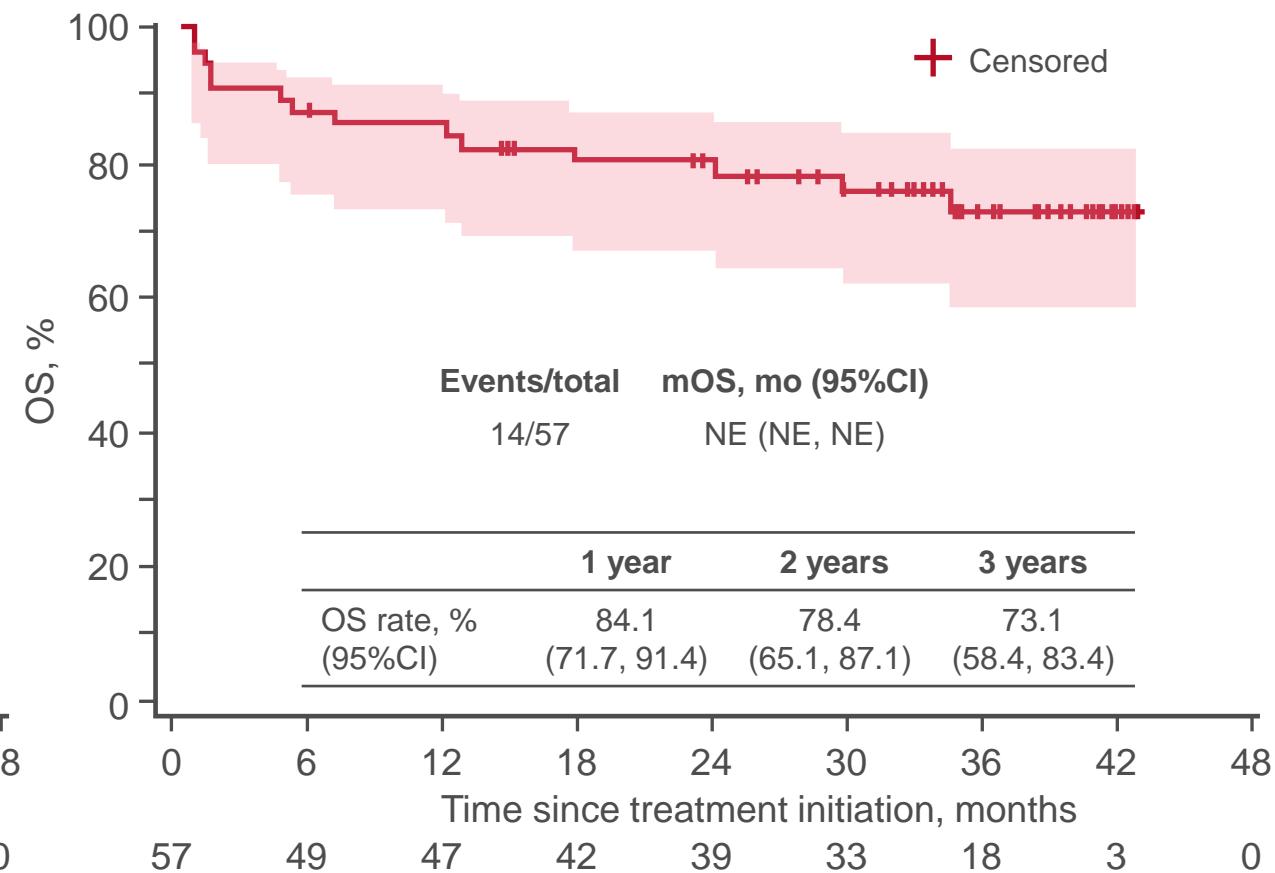
13: One-year duration of nivolumab plus ipilimumab in patients (pts) with microsatellite instability-high/mismatch repair-deficient (MSI/dMMR) metastatic colorectal cancer (mCRC): Long-term follow-up of the GERCOR NIPICOL phase II study – Cohen R, et al

Key results

Progression-free survival

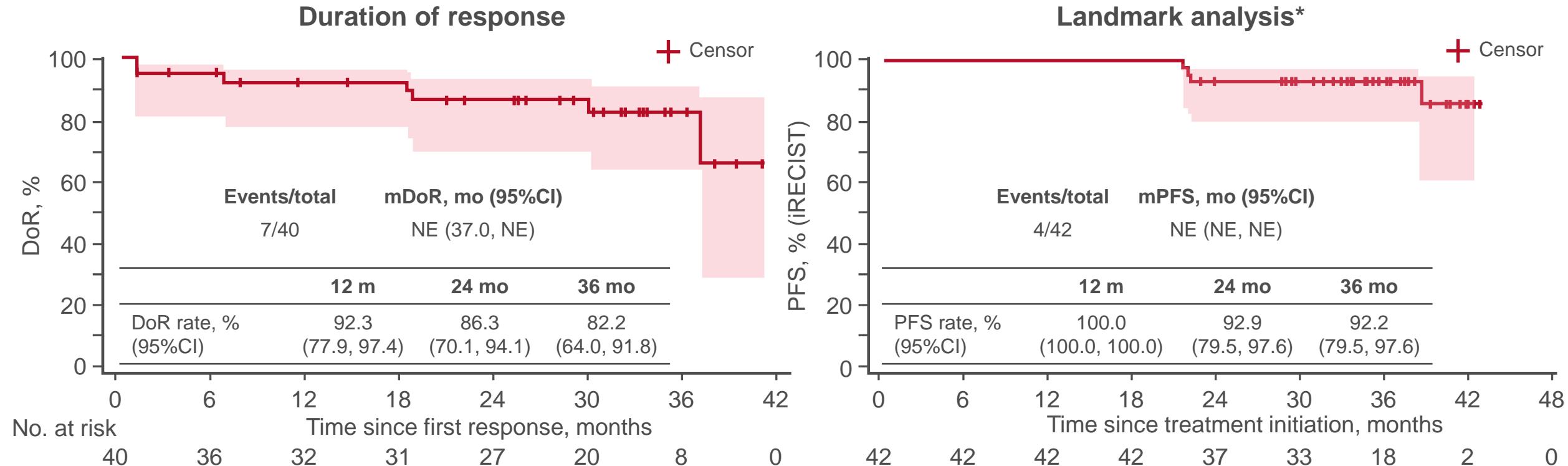


Overall survival



13: One-year duration of nivolumab plus ipilimumab in patients (pts) with microsatellite instability-high/mismatch repair-deficient (MSI/dMMR) metastatic colorectal cancer (mCRC): Long-term follow-up of the GERCOR NIPICOL phase II study – Cohen R, et al

Key results (cont.)



Conclusions

- In patients with MSI-H or dMMR mCRC, 1-year of nivolumab maintenance after induction with nivolumab + ipilimumab demonstrated comparable findings to other studies in this patient population and raises the question of whether 2 years of treatment is necessary in all patients

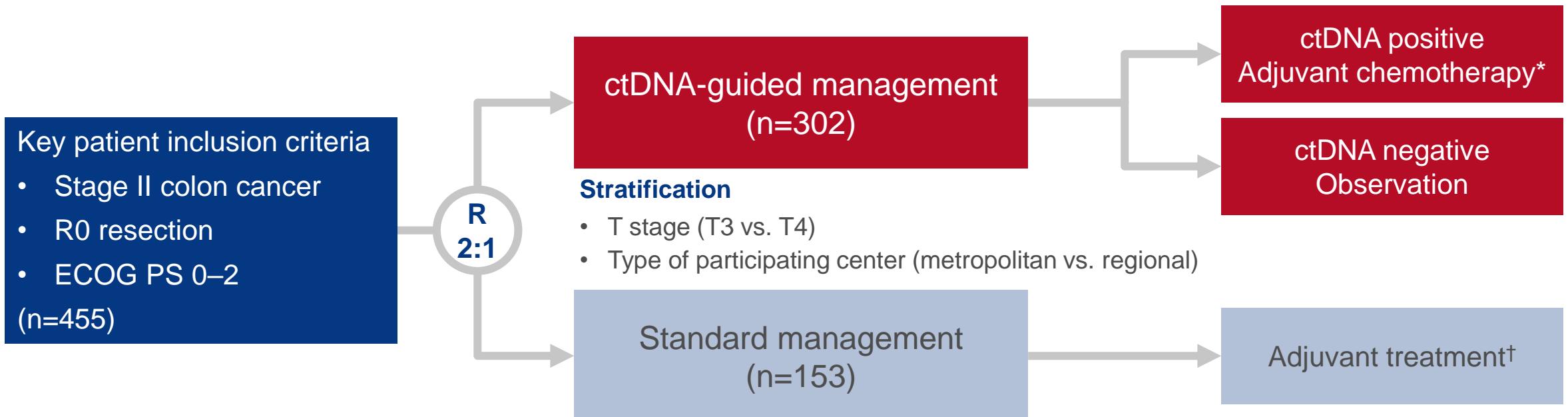
*Landmark analysis of patients free of progression and alive at 1 year (n=42)

Cohen R, et al. J Clin Oncol 2022;40(suppl):abstr 13

LBA100: Adjuvant chemotherapy guided by circulating tumor DNA analysis in stage II colon cancer: The randomized DYNAMIC trial – Tie J, et al

Study objective

- To evaluate the efficacy and safety of adjuvant chemotherapy guided by ctDNA analysis in patients with stage II colon cancer in Australian centers in the DYNAMIC study



PRIMARY ENDPOINT

- 2-year RFS rate

SECONDARY ENDPOINTS

- Proportion receiving adjuvant chemotherapy, TTR, OS, safety

*Oxaliplatin-based or single agent fluoropyrimidine;
†based on conventional clinicopathological criteria

LBA100: Adjuvant chemotherapy guided by circulating tumor DNA analysis in stage II colon cancer: The randomized DYNAMIC trial – Tie J, et al

Key results

| Treatment information | ctDNA-guided* (n=294) | Standard management (n=147) | p-value |
|---|--------------------------|--------------------------------|---------|
| Adjuvant chemotherapy, n (%) | 45 (15) | 41 (28) | 0.0017 |
| Chemotherapy regimen received, n (%) | | | |
| Oxaliplatin-based doublet | 28/45 (62) | 4/41 (10) | <0.0001 |
| Single agent fluoropyrimidine | 17/45 (38) | 37/41 (90) | |
| Median time from surgery to commencing chemotherapy, days (range) | 83 (76–89) | 53 (49–61) | <0.0001 |
| Median treatment duration, weeks (range) | 24 (19–24) | 24 (21–24) | 0.9318 |
| Completed planned treatment, n (%) | 38 (85) | 32 (78) | 0.7036 |
| Median full dose delivered, % (IQR) | 78 (56–100) | 84 (64–100) | 0.6194 |

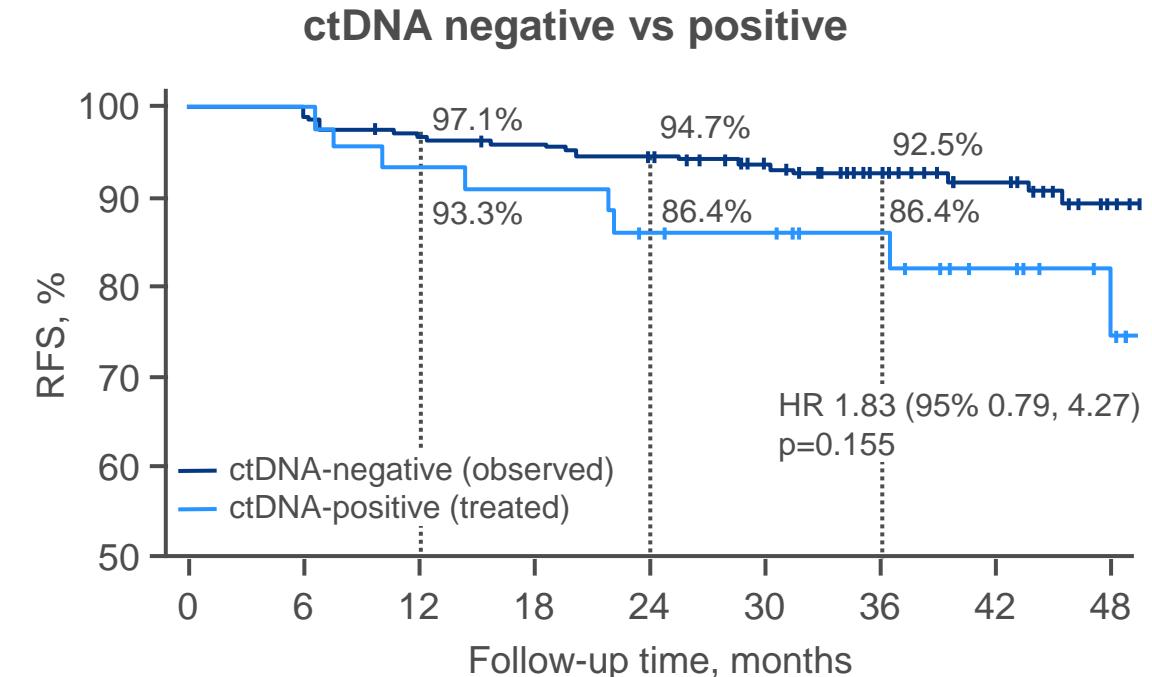
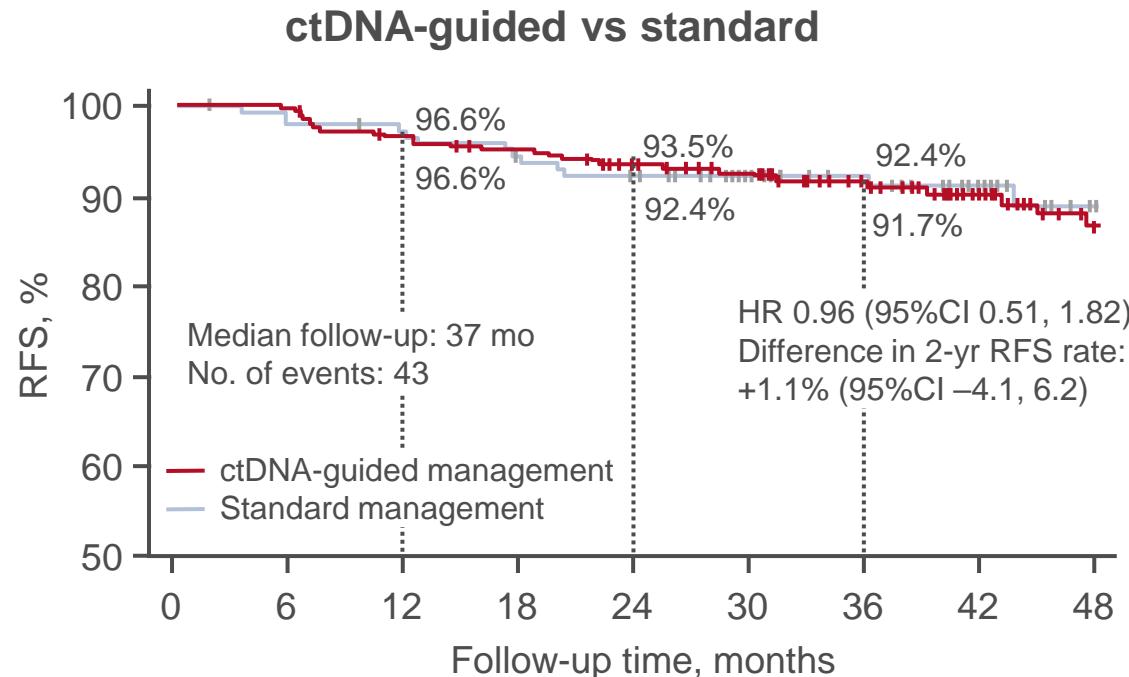
*Plasma samples were collected at Week 4 and 7 post-operatively and the Safe-SeqS tumor-informed personalized ctDNA assay was used

Tie J, et al. J Clin Oncol 2022;40(suppl):abstr LBA100

LBA100: Adjuvant chemotherapy guided by circulating tumor DNA analysis in stage II colon cancer: The randomized DYNAMIC trial – Tie J, et al

Key results

Recurrence-free survival



No. at risk

| | | | | | | | | | |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| ctDNA-guided | 294 | 292 | 281 | 273 | 259 | 207 | 155 | 109 | 64 |
| Standard | 147 | 144 | 142 | 136 | 128 | 97 | 78 | 57 | 33 |

No. at risk

| | | | | | | | | | |
|--------|-----|-----|-----|-----|-----|-----|-----|----|----|
| ctDNA- | 246 | 244 | 236 | 231 | 220 | 160 | 131 | 93 | 55 |
| ctDNA+ | 45 | 45 | 42 | 39 | 36 | 36 | 22 | 16 | 9 |

LBA100: Adjuvant chemotherapy guided by circulating tumor DNA analysis in stage II colon cancer: The randomized DYNAMIC trial – Tie J, et al

Key results

| Group | | RFS rate, % | | HR (95%CI) |
|----------------|-----------|-------------|-------|-------------------|
| | | 24-mo | 36-mo | |
| ctDNA-negative | Low-risk | 97.4 | 96.7 | 1 |
| | High-risk | 89.7 | 86.4 | 3.04 (1.26, 7.34) |
| ctDNA-positive | | 86.4 | 85.1 | 3.69 (1.39, 9.87) |
| ctDNA-negative | T3 | 96.7 | 94.2 | 1 |
| | T4 | 81.3 | 81.3 | 2.60 (1.91, 6.71) |
| ctDNA-positive | | 86.4 | 86.4 | 2.62 (1.11, 6.20) |

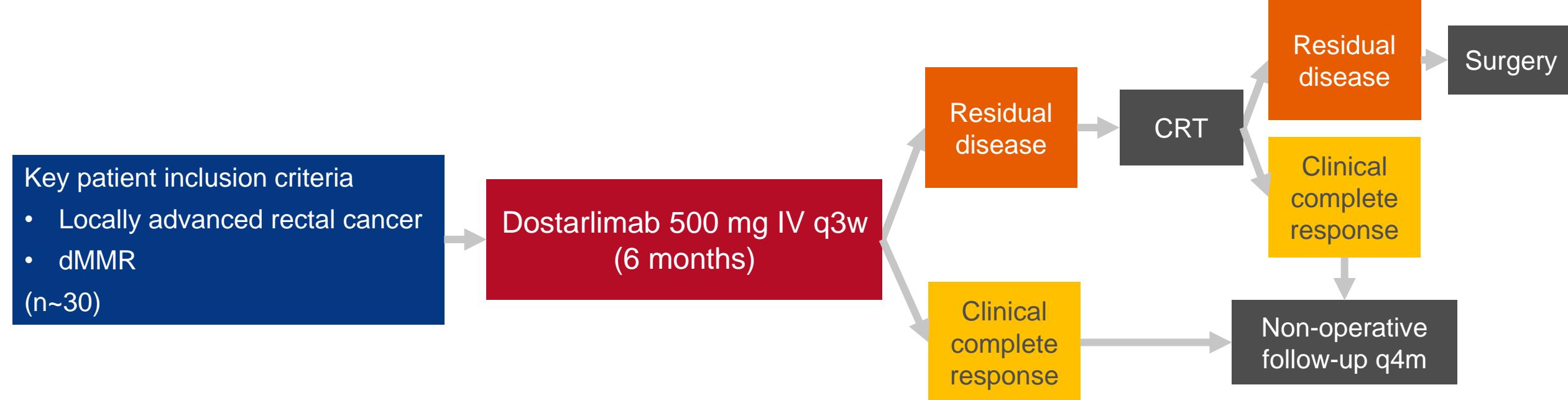
Conclusions

- In patients with stage II colon cancer, ctDNA-guided management demonstrated a substantial reduction in the number of patients requiring adjuvant chemotherapy without compromising RFS compared with standard management although patients who were ctDNA-positive after surgery did drive benefit from adjuvant chemotherapy

LBA5: Single agent PD-1 blockade as curative-intent treatment in mismatch repair deficient locally advanced rectal cancer – Cercek A, et al

Study objective

- To evaluate the efficacy and safety of dostarlimab, a PD-1 inhibitor, in patients with dMMR locally advanced rectal cancer



PRIMARY ENDPOINTS

- ORR, pCR

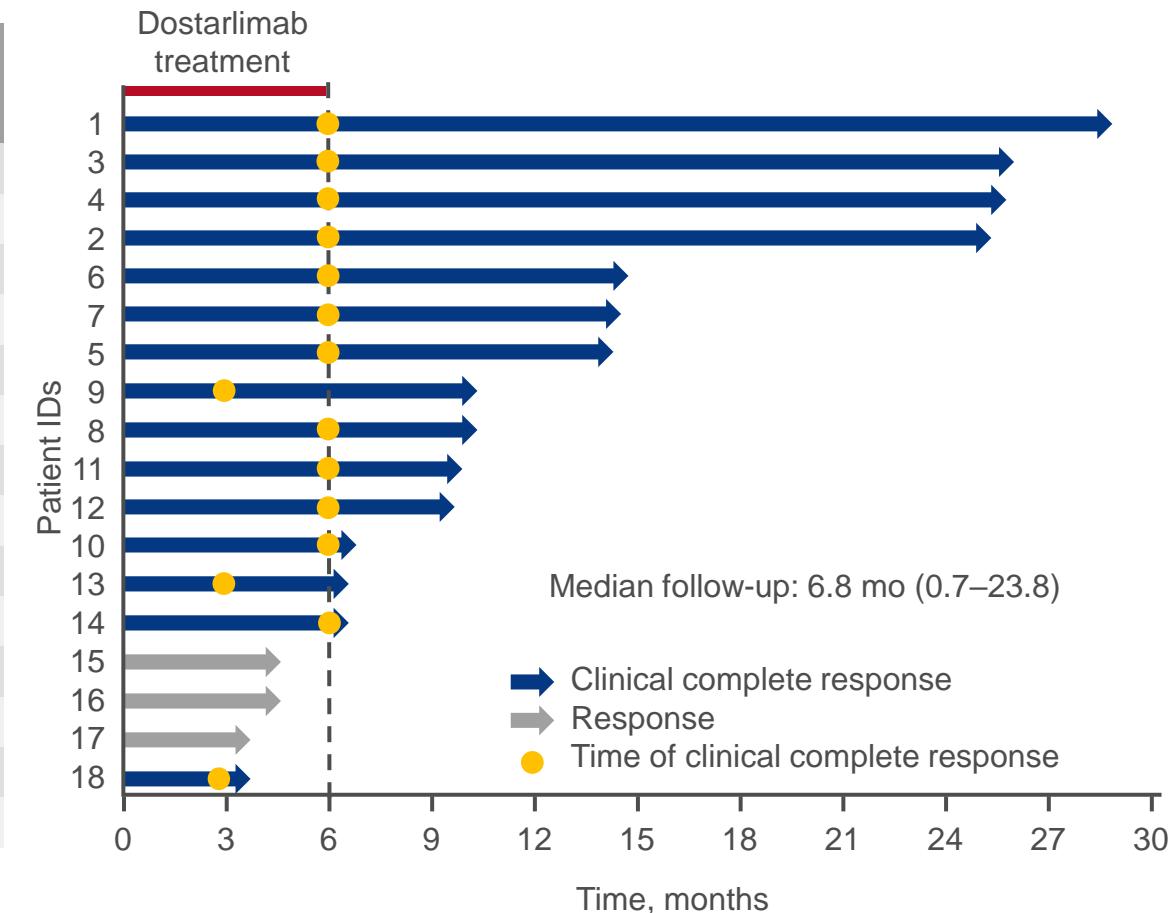
SECONDARY ENDPOINTS

- Safety

LBA5: Single agent PD-1 blockade as curative-intent treatment in mismatch repair deficient locally advanced rectal cancer – Cercek A, et al

Key results

| ID | Age | T stage | N stage | FU, mo | Digital rectal exam response | Endoscopic best response | Rectal MRI best response | Overall response |
|----|-----|---------|---------|--------|------------------------------|--------------------------|--------------------------|------------------|
| 1 | 38 | T4 | N+ | 23.8 | CR | CR | CR | cCR |
| 2 | 30 | T3 | N+ | 20.5 | CR | CR | CR | cCR |
| 3 | 61 | T1/2 | N+ | 20.6 | CR | CR | CR | cCR |
| 4 | 28 | T4 | N+ | 20.5 | CR | CR | CR | cCR |
| 5 | 53 | T1/2 | N+ | 9.1 | CR | CR | CR | cCR |
| 6 | 77 | T1/2 | N+ | 11.0 | CR | CR | CR | cCR |
| 7 | 77 | T1/2 | N+ | 8.7 | CR | CR | CR | cCR |
| 8 | 55 | T3 | N+ | 5.0 | CR | CR | CR | cCR |
| 9 | 68 | T3 | N+ | 4.9 | CR | CR | CR | cCR |
| 10 | 78 | T3 | N- | 1.7 | CR | CR | CR | cCR |
| 11 | 55 | T3 | N+ | 4.7 | CR | CR | CR | cCR |
| 12 | 27 | T3 | N+ | 4.4 | CR | CR | CR | cCR |
| 13 | 26 | T3 | N+ | 0.8 | CR | CR | CR | cCR |
| 14 | 43 | T3 | N+ | 0.7 | CR | CR | CR | cCR |



LBA5: Single agent PD-1 blockade as curative-intent treatment in mismatch repair deficient locally advanced rectal cancer – Cercek A, et al

Key results (cont.)

- No grade 3–4 AEs were reported
- No patients required chemotherapy, radiotherapy or surgery and there was no disease recurrence during the follow-up period

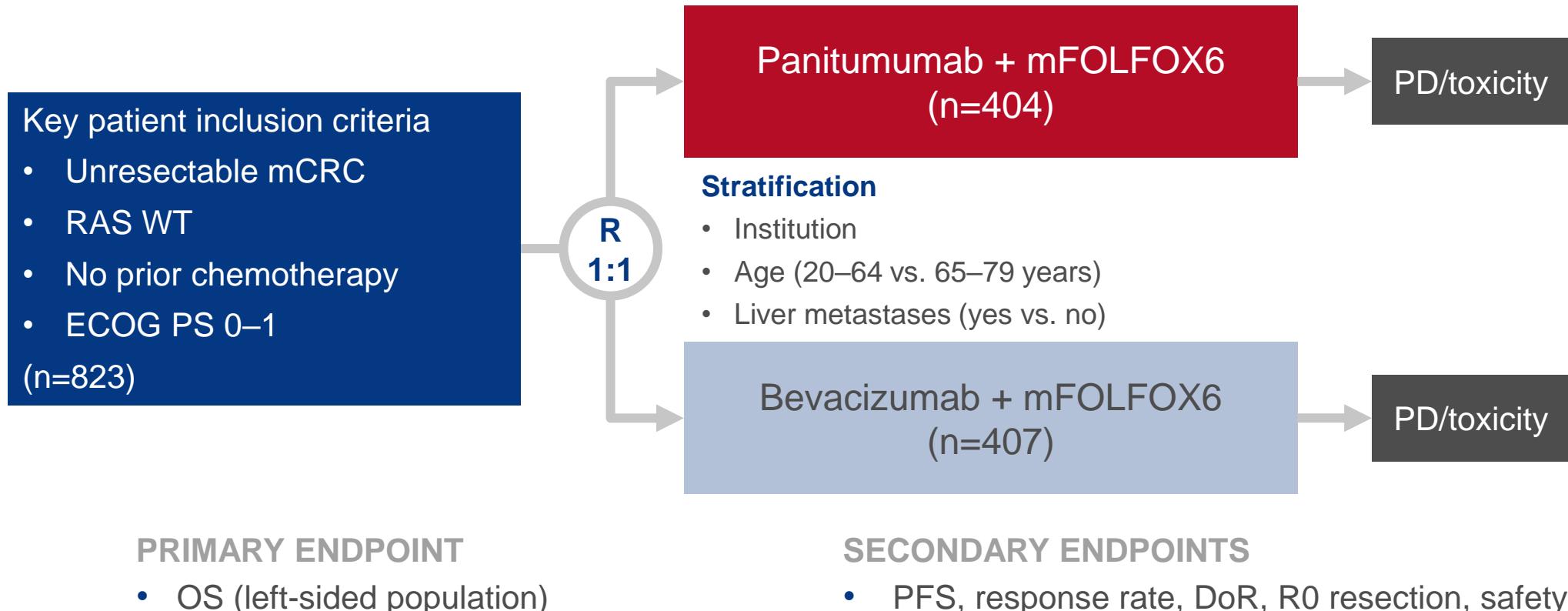
Conclusions

- In patients with locally advanced rectal cancer, dostarlimab demonstrated clinical complete response in all of the first 14 consecutive patients treated and may enable chemotherapy, radiotherapy and surgery to be eliminated in the tumor agnostic dMMR population with early stage disease, although results from long-term follow-up are required

LBA1: Panitumumab (PAN) plus mFOLFOX6 versus bevacizumab (BEV) plus mFOLFOX6 as first-line treatment in patients with RAS wild-type (WT) metastatic colorectal cancer (mCRC): Results from the phase 3 PARADIGM trial – Yoshino T, et al

Study objective

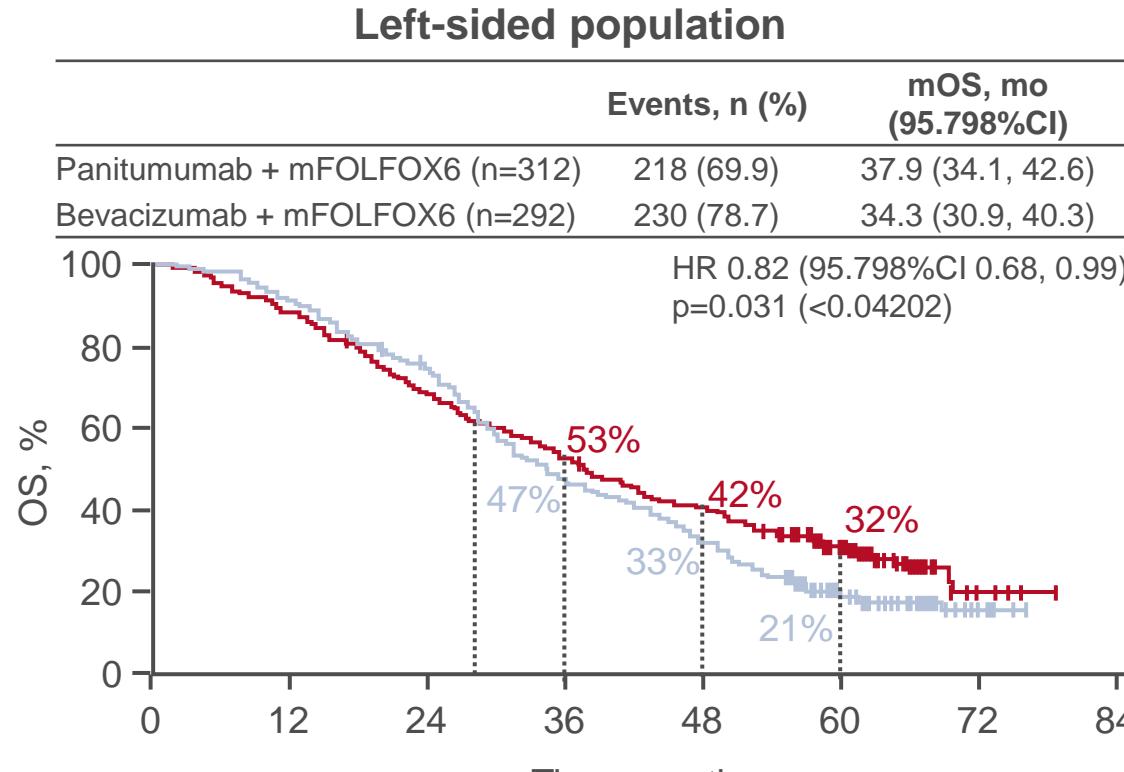
- To evaluate the efficacy and safety of 1L panitumumab + mFOLFOX6 in patients with RAS WT mCRC in Japanese centers in the phase 3 PARADIGM study



LBA1: Panitumumab (PAN) plus mFOLFOX6 versus bevacizumab (BEV) plus mFOLFOX6 as first-line treatment in patients with RAS wild-type (WT) metastatic colorectal cancer (mCRC): Results from the phase 3 PARADIGM trial – Yoshino T, et al

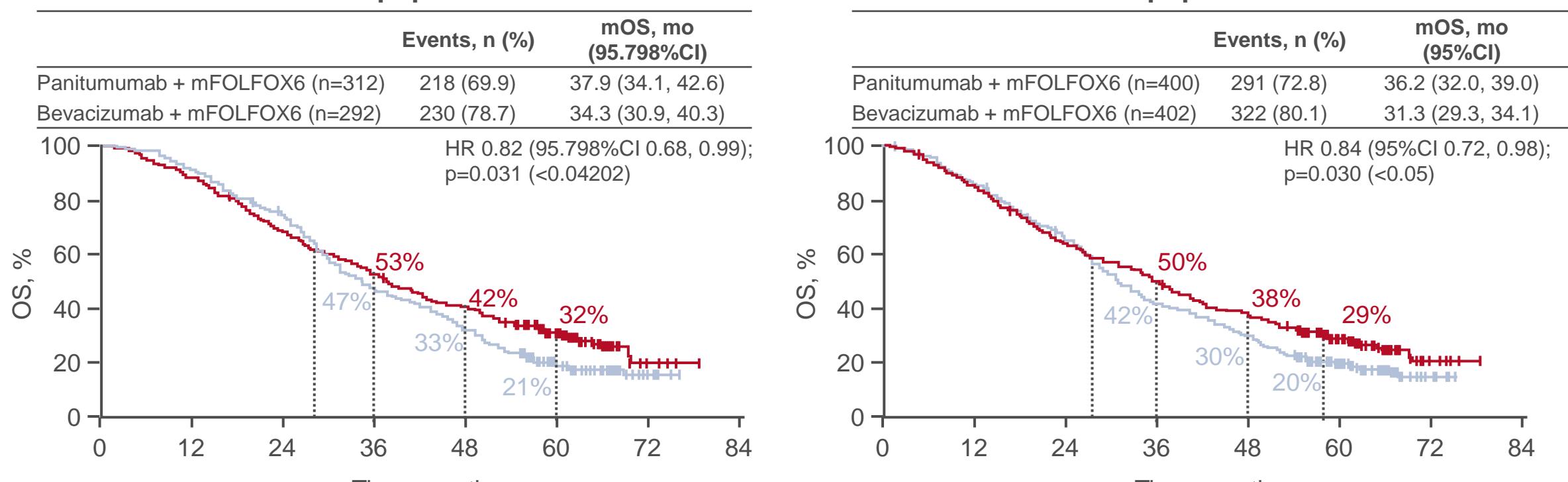
Key results

Overall survival



| No. at risk | Time, months | | | | | | | |
|-----------------|--------------|-----|-----|-----|----|---|---|--|
| Panitumumab 312 | 276 | 213 | 166 | 129 | 68 | 5 | 0 | |
| Bevacizumab 292 | 266 | 212 | 136 | 96 | 40 | 5 | 0 | |

Overall population



| | 400 | 338 | 253 | 199 | 150 | 80 | 6 | 0 |
|-----------------|-----|-----|-----|-----|-----|----|---|---|
| 402 | 348 | 265 | 166 | 119 | 54 | 5 | 0 | |
| Bevacizumab 292 | 266 | 212 | 136 | 96 | 40 | 5 | 0 | |

LBA1: Panitumumab (PAN) plus mFOLFOX6 versus bevacizumab (BEV) plus mFOLFOX6 as first-line treatment in patients with RAS wild-type (WT) metastatic colorectal cancer (mCRC): Results from the phase 3 PARADIGM trial – Yoshino T, et al

Key results

| Outcome | Left-sided population | | Overall population | | AEs, n (%) | Panitumumab (n=404) | Bevacizumab (n=407) |
|-----------------------|-----------------------|-------------------|--------------------|-------------------|---------------------------|------------------------|------------------------|
| | Panitumumab | Bevacizumab | Panitumumab | Bevacizumab | | | |
| mPFS, mo (95%CI) | 13.7 (12.7, 15.3) | 13.2 (11.4, 14.5) | 12.9 (11.3, 13.6) | 12.0 (11.3, 13.5) | Any | 402 (99.5) | 399 (98.0) |
| HR (95%CI) | 0.98 (0.82, 1.17) | | 1.01 (0.87, 1.18) | | Grade ≥3 | 290 (71.8) | 264 (64.9) |
| RR, % (95%CI) | 80.2 (75.3, 84.5) | 68.6 (62.9, 74.0) | 74.9 (70.3, 79.1) | 67.3 (62.4, 71.9) | Serious treatment-related | 72 (17.8) | 44 (10.8) |
| Difference, % (95%CI) | 11.2 (4.4, 17.9) | | 7.7 (1.5, 13.8) | | Led to discontinuation | 96 (23.8) | 75 (18.4) |
| DCR, % (95%CI) | 97.4 (94.9, 98.9) | 96.5 (93.7, 98.3) | 94.9 (92.3, 96.9) | 95.5 (92.9, 97.3) | | | |
| mDoR, mo (95%CI) | 13.1 (11.1, 14.8) | 11.2 (9.6, 13.1) | 11.9 (10.5, 13.4) | 10.7 (9.5, 12.2) | | | |
| R0 rate, % (95%CI) | 18.3 (14.1, 23.0) | 11.6 (8.2, 15.9) | 16.5 (13.0, 20.5) | 10.9 (8.1, 17.1) | | | |

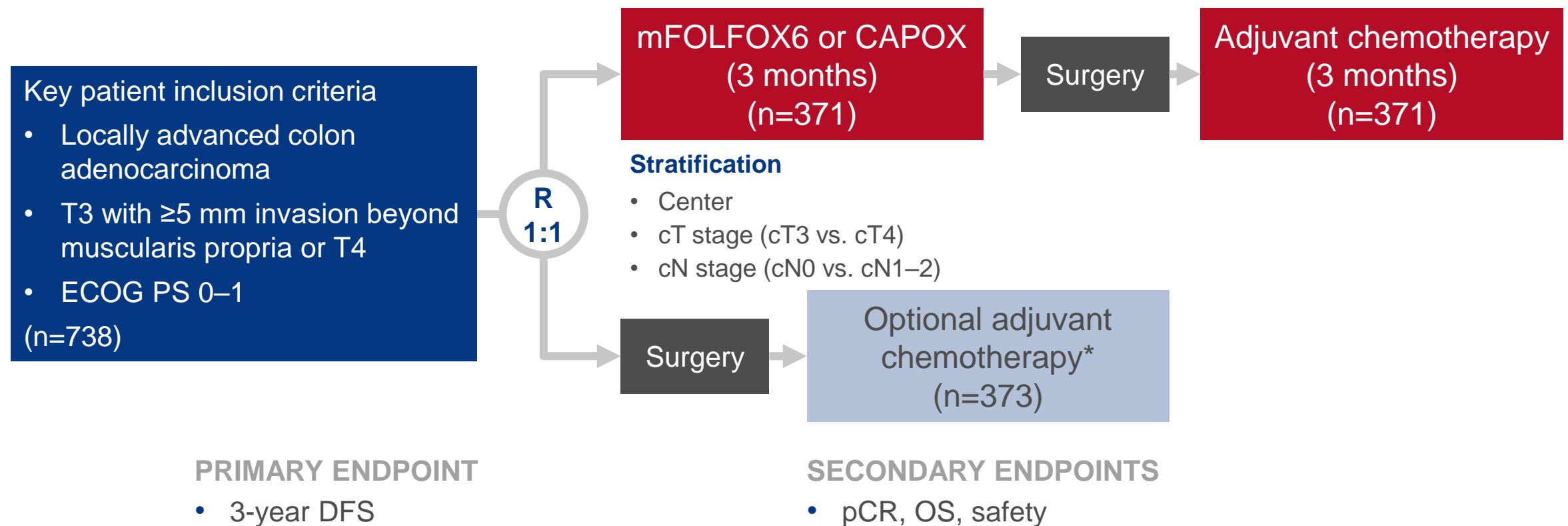
Conclusions

- In patients with RAS WT mCRC, IL panitumumab + mFOLFOX6 was found to be superior to bevacizumab + mFOLFOX6 for the primary endpoint (OS in left-sided population) and had a manageable safety profile

3500: Perioperative chemotherapy with mFOLFOX6 or CAPOX for patients with locally advanced colon cancer (OPTICAL): A multicenter, randomized, phase 3 trial – Hu H, et al

Study objective

- To evaluate the efficacy and safety of perioperative chemotherapy, mFOLFOX6 or CAPOX, in patients with locally advanced colon cancer in Chinese centers in the phase 3 OPTICAL study

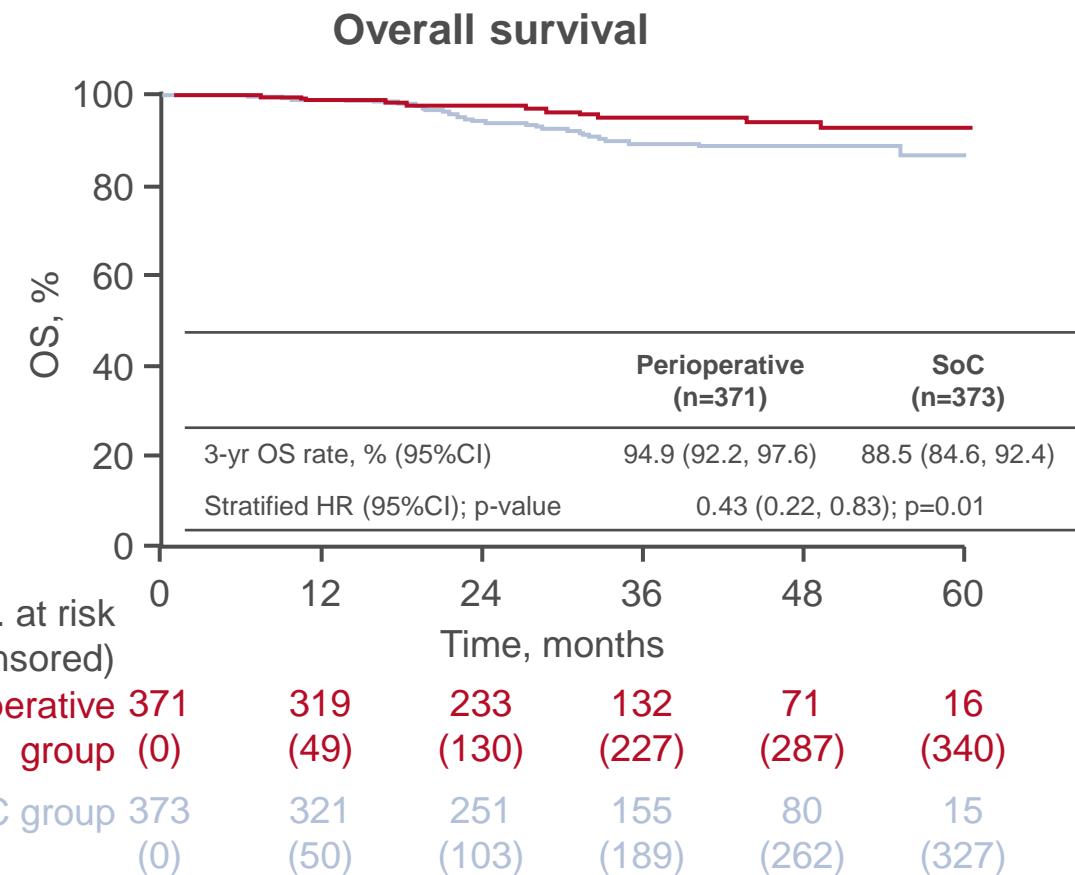
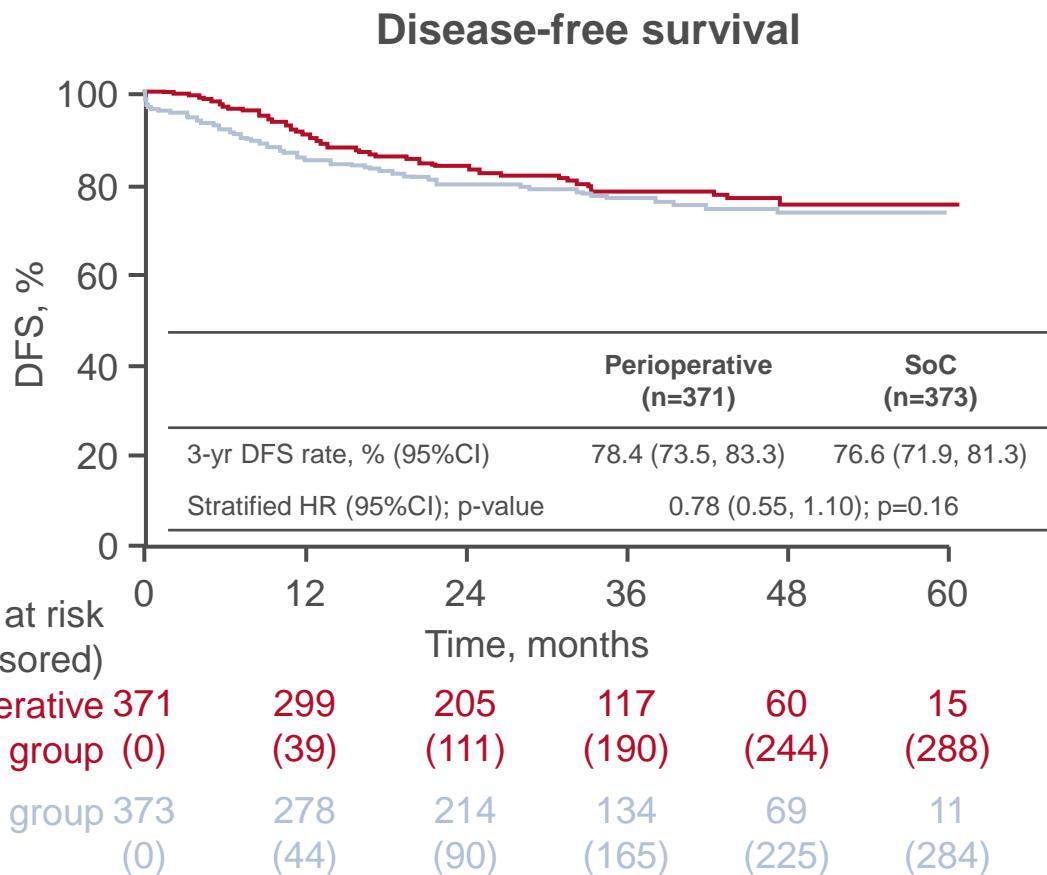


*Physician's discretion according to pathological stage

Hu H, et al. J Clin Oncol 2022;40(suppl):abstr 3500

3500: Perioperative chemotherapy with mFOLFOX6 or CAPOX for patients with locally advanced colon cancer (OPTICAL): A multicenter, randomized, phase 3 trial – Hu H, et al

Key results



3500: Perioperative chemotherapy with mFOLFOX6 or CAPOX for patients with locally advanced colon cancer (OPTICAL): A multicenter, randomized, phase 3 trial – Hu H, et al

Key results

| Surgical outcomes, n (%) | Perioperative (n=366) | SoC (n=373) | p-value |
|--------------------------------|--------------------------|----------------|---------|
| Surgical approach | | | |
| Laparoscopic | 295 (81) | 308 (83) | |
| Open | 67 (18) | 63 (17) | |
| Laparoscopic converted to open | 4 (1) | 2 (1) | |
| Resection limits | | | |
| R0 | 357 (97) | 356 (95) | 0.121 |
| R1 | 2 (1) | 2 (1) | |
| R2 | 2 (1) | 6 (2) | |
| Rx | 2 (1) | 9 (2) | |
| Non-resectional surgery | 3 (1) | 0 | |

| Surgical outcomes, n (%) | Perioperative (n=366) | SoC (n=373) | p-value |
|--------------------------|--------------------------|----------------|----------|
| pT stage | pT0 | 29 (8) | 0 |
| | pTis | 1 (1) | 0 |
| | pT1 | 7 (2) | 0 |
| | pT2 | 45 (12) | 22 (6) |
| | pT3 | 243 (66) | 276 (74) |
| | pT4 | 38 (10) | 75 (20) |
| pN stage | pN0 | 249 (69) | 200 (54) |
| | pN1 | 88 (24) | 129 (35) |
| | pN2 | 26 (7) | 44 (12) |
| Disease stage | T0N0M0 | 27 (7) | 0 |
| | TisN0M0 | 1 (1) | 0 |
| | I | 42 (12) | 16 (4) |
| | II | 179 (48) | 180 (48) |
| | High-risk II | 59 (16) | 82 (22) |
| | III | 110 (30) | 164 (44) |
| | IV | 4 (1) | 13 (3) |

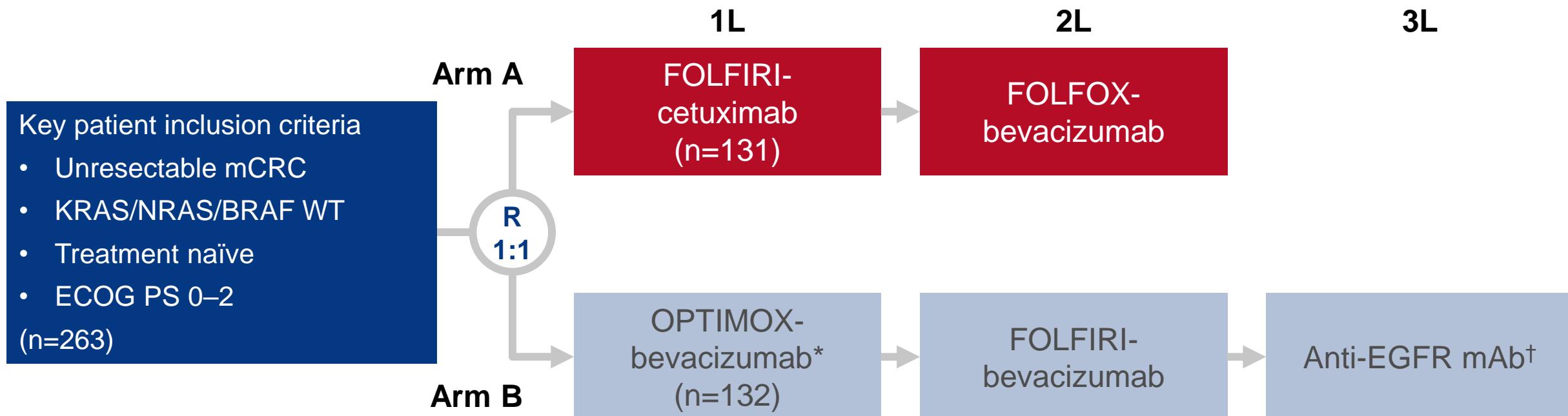
Conclusions

- In patients with locally advanced colon cancer, perioperative chemotherapy administration was feasible without increasing surgical complications and perioperative mortality. Perioperative chemotherapy demonstrated a 7% pCR rate and 20% downstaging rate, but did not significantly improve 3-year DFS, the primary endpoint, compared with SoC

3504: STRATEGIC-1: Multi-line therapy trial in unresectable wild-type KRAS/NRAS/BRAF metastatic colorectal cancer—A GERCOR-PRODIGE randomized open-label phase III study – Chibaudel B, et al

Study objective

- To evaluate the efficacy and safety of multiple lines of therapy in patients with unresectable KRAS/NRAS/BRAF WT mCRC in French centers in the phase 3 STRATEGIC-1 study



PRIMARY ENDPOINT

- Duration of disease control (DDC)

SECONDARY ENDPOINTS

- OS, TFS, PFS, RR, HRQoL, safety

*Oxaliplatin stop-and-go; †cetuximab ± irinotecan or panitumumab

Chibaudel B, et al. J Clin Oncol 2022;40(suppl):abstr 3504

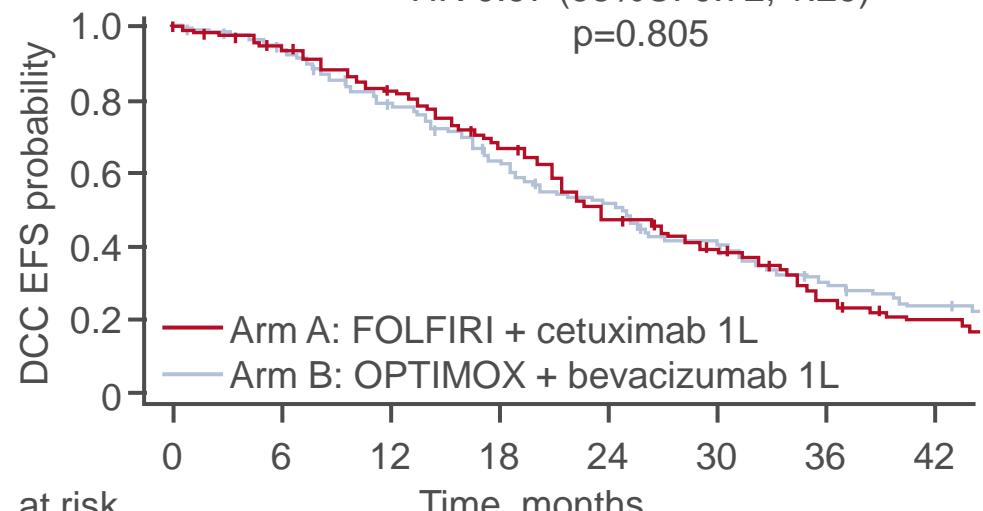
3504: STRATEGIC-1: Multi-line therapy trial in unresectable wild-type KRAS/NRAS/BRAF metastatic colorectal cancer—A GERCOR-PRODIGE randomized open-label phase III study
– Chibaudel B, et al

Key results

Duration of disease control

| | N | Event | mDCC, mo (95%CI) |
|-------|-----|-------|-------------------|
| Arm A | 131 | 94 | 22.5 (20.1, 27.1) |
| Arm B | 132 | 94 | 23.5 (17.9, 22.2) |

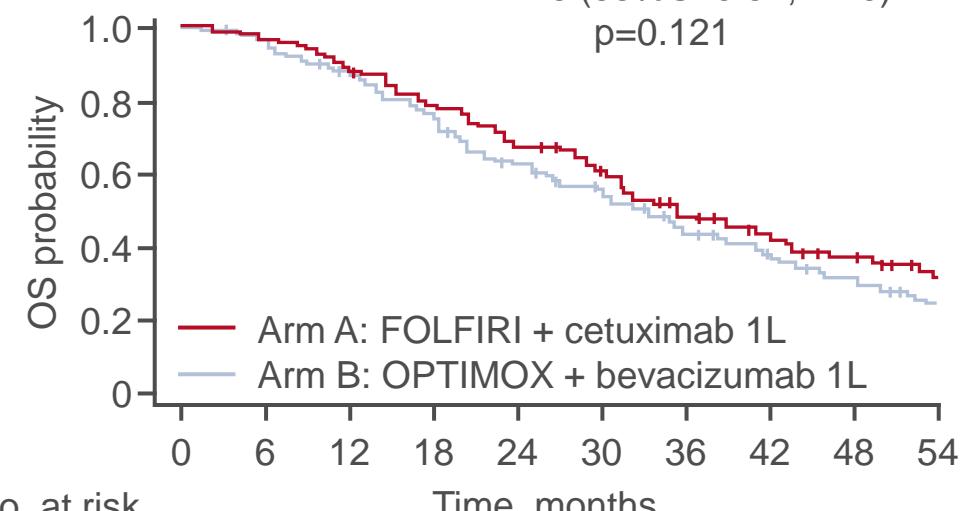
HR 0.97 (95%CI 0.72, 1.29)
 p=0.805



Overall survival

| | N | Event | mOS, mo (95%CI) |
|-------|-----|-------|-------------------|
| Arm A | 131 | 82 | 37.8 (32.2, 47.7) |
| Arm B | 132 | 95 | 34.4 (27.6, 42.2) |

HR 1.26 (95%CI 0.94, 1.70)
 p=0.121



3504: STRATEGIC-1: Multi-line therapy trial in unresectable wild-type KRAS/NRAS/BRAF metastatic colorectal cancer—A GERCOR-PRODIGE randomized open-label phase III study – Chibaudel B, et al

Key results

| Response, % | Arm A | Arm B | p-value | AEs, % | Arm A | Arm B | p-value |
|-----------------|--------------------------------------|--------------|---------|-----------|-------|-------|---------|
| 1L | FOLFOX-cetux | mFOLFOX7-bev | <0.001 | Any | 99.1 | 97.7 | 0.622 |
| Induction | 82.4 | 69.7 | | Grade 3–4 | 72.7 | 72.0 | 0.902 |
| Re-introduction | 59.1 | 32.8 | | Serious | 46.9 | 53.8 | 0.266 |
| 2L | mFOLFOX6-bev | FOLFIRI-bev | 0.734 | | | | |
| | 21.2 | 18.3 | | | | | |
| 3L | Cetux ± irinotecan or panitumumab | 14.6 | NA | | | | |

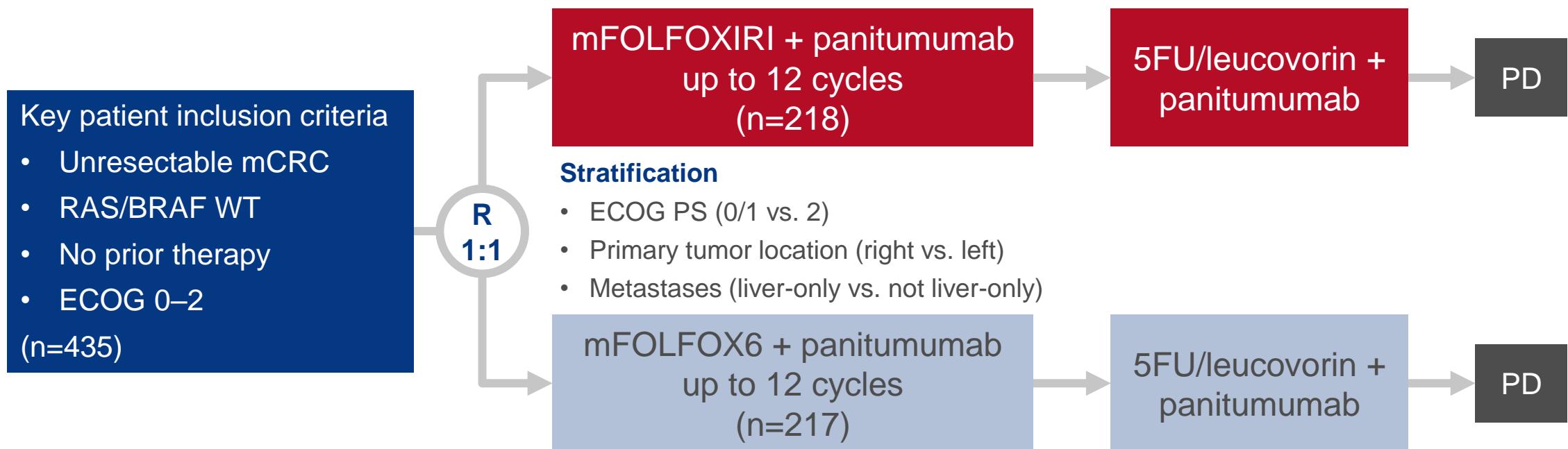
Conclusions

- In patients with KRAS/NRAS/BRAF WT mCRC, there was no significant difference in duration of disease control between the two treatment arms although higher response rates and potentially better OS were observed in those who received FOLFIRI-cetuximab followed by mFOLFOX6-bevacizumab

LBA3505: Modified FOLFOXIRI plus panitumumab (mFOLFOXIRI/PAN) versus mFOLFOX6/PAN as initial treatment of patients with unresectable RAS and BRAF wild-type metastatic colorectal cancer (mCRC): Results of the phase III randomized TRIPLETE study by GONO – Cremolini C, et al

Study objective

- To evaluate the efficacy and safety of 1L mFOLFOXIRI + panitumumab in patients with unresectable RAS/BRAF WT mCRC in Italian centers in the phase 3 TRIPLETE study



PRIMARY ENDPOINT

- ORR

SECONDARY ENDPOINTS

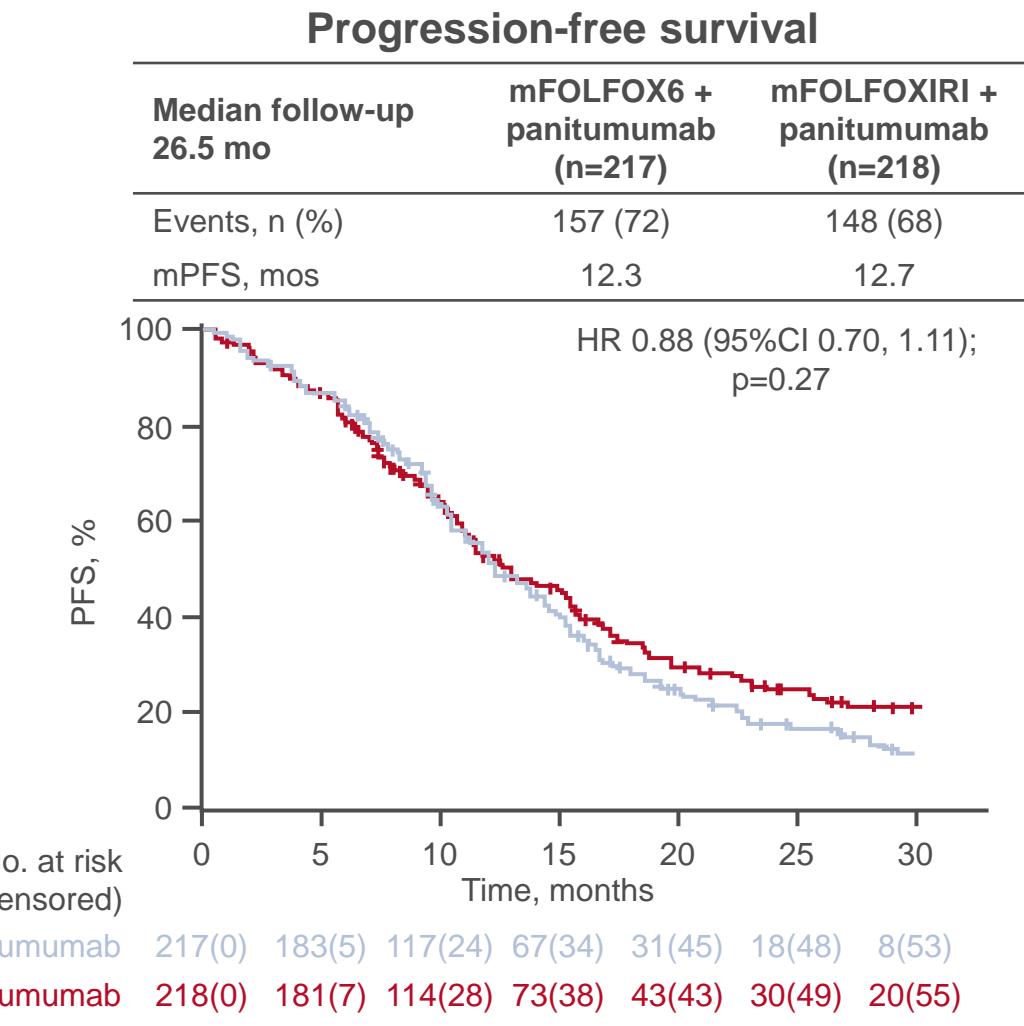
- Response, PFS, R0 rate, OS, safety

LBA3505: Modified FOLFOXIRI plus panitumumab (mFOLFOXIRI/PAN) versus mFOLFOX6/PAN as initial treatment of patients with unresectable RAS and BRAF wild-type metastatic colorectal cancer (mCRC): Results of the phase III randomized TRIPLETE study by GONO – Cremolini C, et al

Key results

| Outcome, % | mFOLFOX6 + panitumumab (n=213) | mFOLFOXIRI + panitumumab (n=218) | OR (95%CI); p-value |
|-------------------|--------------------------------|----------------------------------|--------------------------|
| CR | 7 | 7 | |
| PR | 69 | 66 | |
| SD | 17 | 18 | |
| PD | 5 | 5 | |
| NA | 2 | 4 | |
| ORR | 76 | 73 | 0.87 (0.56, 1.34); 0.526 |
| R0 resection rate | 29 | 25 | 0.81 (0.53, 1.23); 0.317 |

— mFOLFOX6 + panitumumab
 — mFOLFOXIRI + panitumumab



LBA3505: Modified FOLFOXIRI plus panitumumab (mFOLFOXIRI/PAN) versus mFOLFOX6/PAN as initial treatment of patients with unresectable RAS and BRAF wild-type metastatic colorectal cancer (mCRC): Results of the phase III randomized TRIPLETE study by GONO – Cremolini C, et al

Key results

| Grade 3–4 AEs, % | FOLFOX + panitumumab (n=213) | mFOLFOXIRI + panitumumab (n=218) |
|---------------------|---------------------------------|-------------------------------------|
| Nausea | 2 | 5 |
| Vomiting | 1 | 2 |
| Diarrhea | 7 | 23 |
| Stomatitis | 7 | 7 |
| Neutropenia | 20 | 32 |
| Febrile neutropenia | 3 | 5 |
| Neurotoxicity | 4 | 2 |
| Fatigue | 2 | 7 |
| Skin rash | 29 | 19 |
| Hypomagnesemia | 1 | 1 |

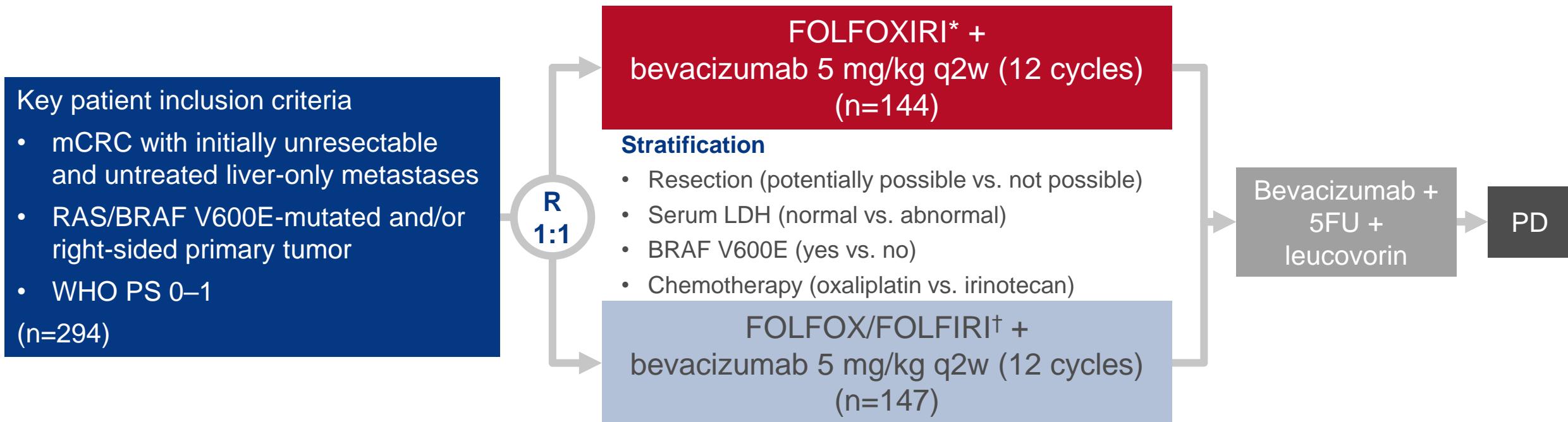
Conclusions

- In patients with unresectable RAS/BRAK WT mCRC, mFOLFOXIRI + panitumumab did not significantly improve ORR compared with mFOLFOX6 + panitumumab

LBA3506: FOLFOXIRI + bevacizumab versus FOLFOX/FOLFIRI + bevacizumab in patients with initially unresectable colorectal liver metastases (CRLM) and right-sided and/or RAS/BRAFV600E-mutated primary tumor: Phase III CAIRO5 study of the Dutch Colorectal Cancer Group – Punt CJA, et al

Study objective

- To evaluate the efficacy and safety of FOLFOXIRI + bevacizumab in patients with initially unresectable colorectal liver metastases and/or RAS/BRAF V600E-mutated primary tumor in the phase 3 CAIRO5 study



PRIMARY ENDPOINT

- PFS

*Oxaliplatin 85 mg/m² + irinotecan 165 mg/m² + leucovorin 400 mg/m² + 5FU 3200 mg/m²;

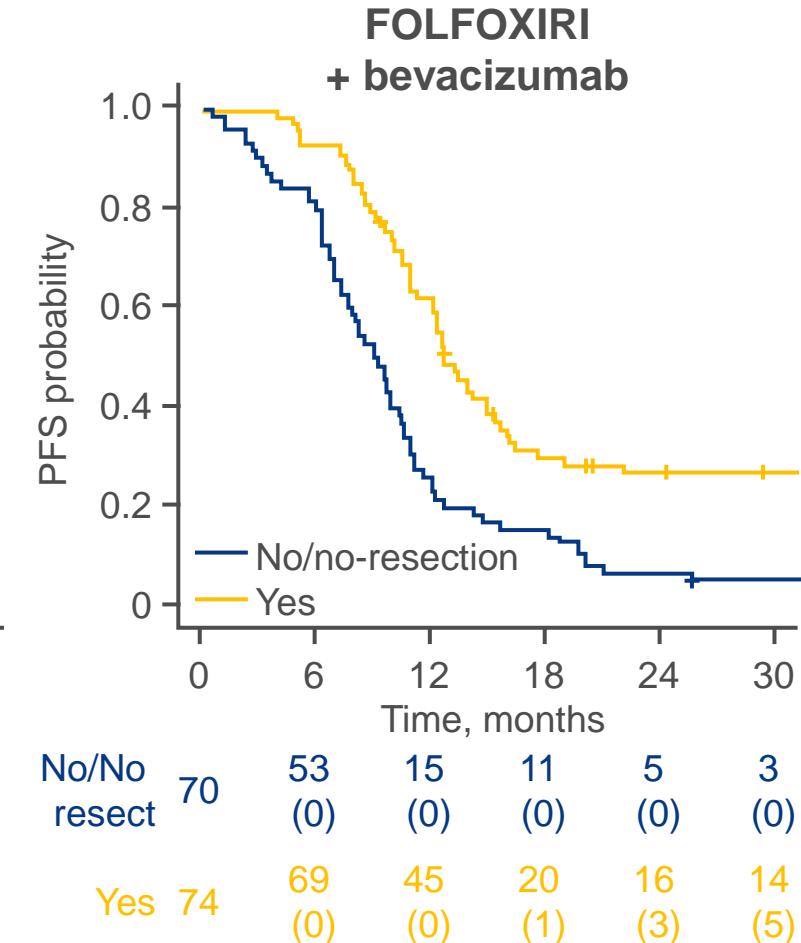
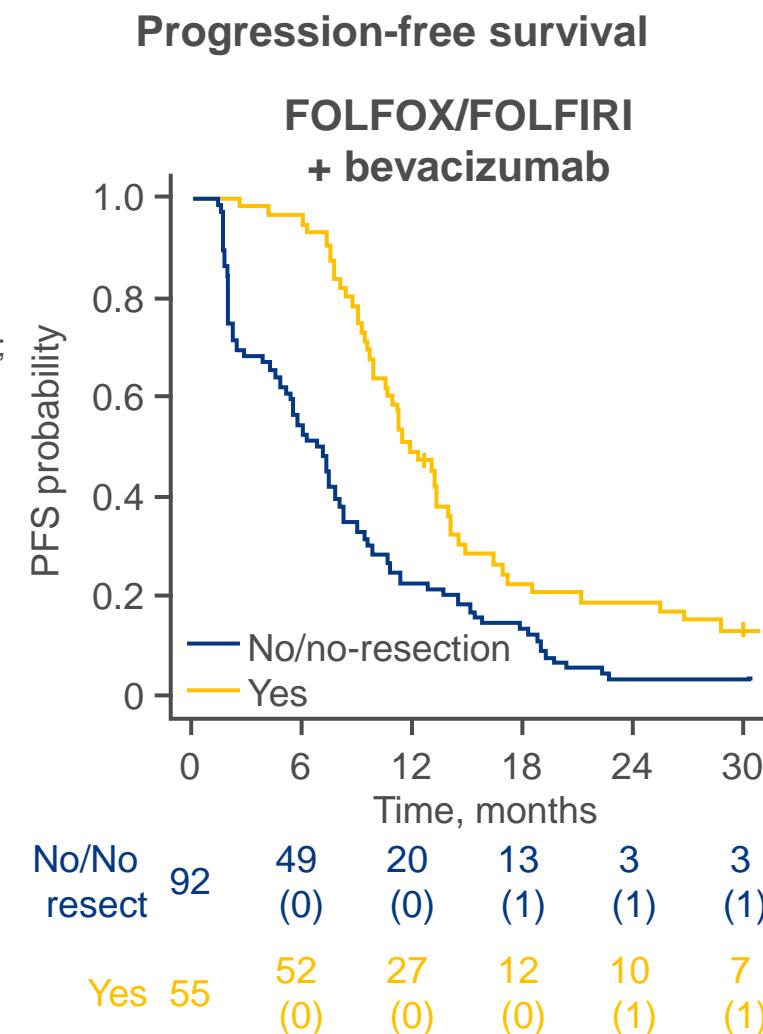
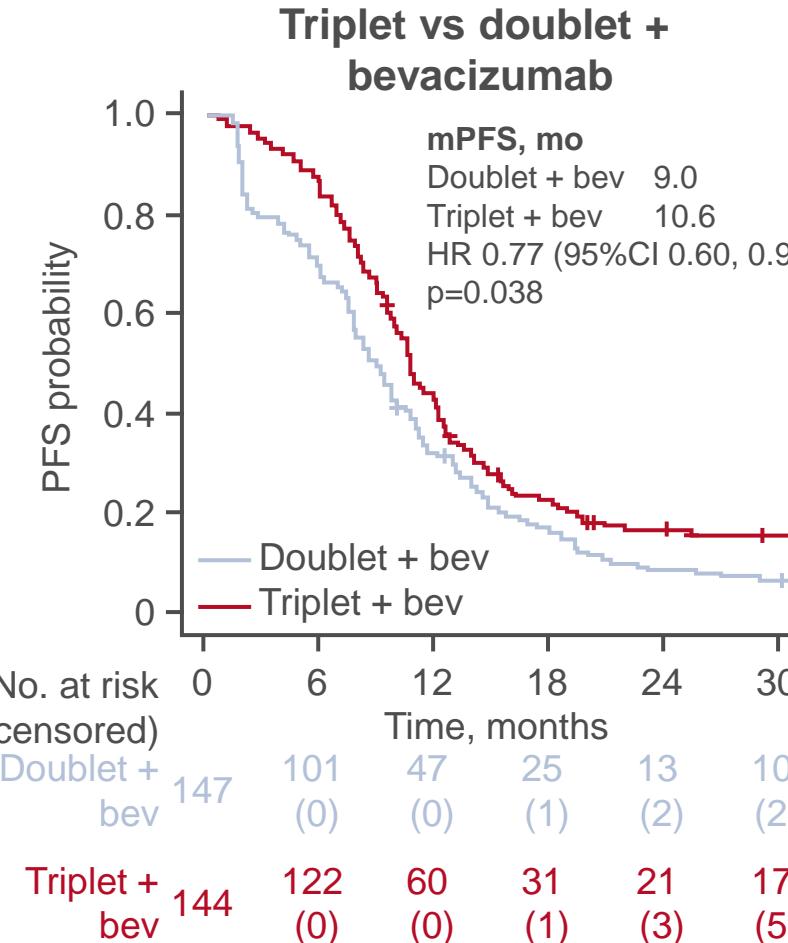
†oxaliplatin 85 mg/m² or irinotecan 180 mg/m² (patient preference) + leucovorin 400 mg/m² + 5FU 400 mg/m² bolus then 2400 mg/m²

SECONDARY ENDPOINTS

- OS, ORR, R0/1 rate, postoperative morbidity, safety

LBA3506: FOLFOXIRI + bevacizumab versus FOLFOX/FOLFIRI + bevacizumab in patients with initially unresectable colorectal liver metastases (CRLM) and right-sided and/or RAS/BRAFV600E-mutated primary tumor: Phase III CAIRO5 study of the Dutch Colorectal Cancer Group – Punt CJA, et al

Key results



LBA3506: FOLFOXIRI + bevacizumab versus FOLFOX/FOLFIRI + bevacizumab in patients with initially unresectable colorectal liver metastases (CRLM) and right-sided and/or RAS/BRAFV600E-mutated primary tumor: Phase III CAIRO5 study of the Dutch Colorectal Cancer Group – Punt CJA, et al

Key results

| | FOLFOXIRI + bevacizumab | FOLFOX/ FOLFIRI + bevacizumab | p-value | | FOLFOXIRI + bevacizumab | FOLFOX/FOLFIRI + bevacizumab | p-value |
|----------------------------------|-------------------------|-------------------------------|---------|--|-------------------------|------------------------------|---------|
| Resectability, HR (95%CI) | | | 0.98 | | | | |
| Potentially resectable | 0.74 (0.53, 1.05) | | | | 57 | 46 | 0.08 |
| Unresectable | 0.67 (0.28, 1.58) | | | | 51 | 40 | 0.19 |
| Mutation status, HR (95%CI) | | | 0.83 | | | | |
| RAS mutation | 0.76 (0.54, 1.07) | | | | 27 | 15 | 0.08 |
| BRAF V600E | 0.72 (0.21, 2.48) | | | | 2 | 0 | |
| WT + right-sided | 0.54 (0.13, 2.26) | | | | | | |
| mPFS, mo | | | | | | | |
| Without successful local therapy | 9.0 | 7.0 | <0.0001 | | | | |
| With successful local therapy | 12.7 | 11.9 | <0.0001 | | | | |

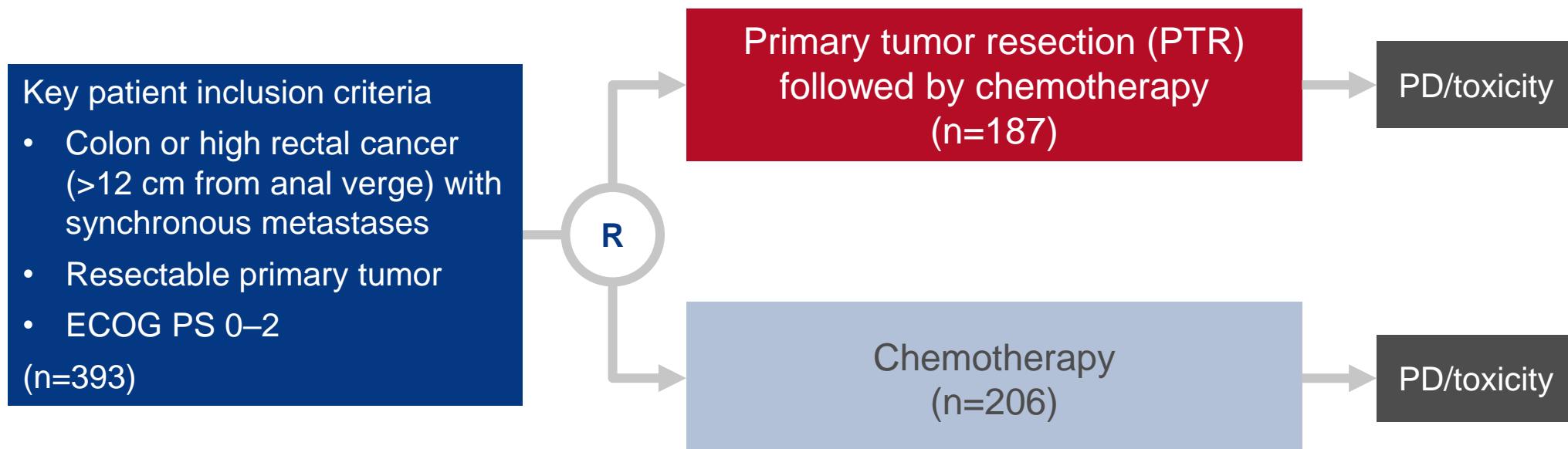
Conclusions

- In patients with RAS/BRAF V600E-mutated or right-sided primary tumors and initially unresectable liver metastases, triplet chemotherapy demonstrated significant improvements in outcomes compared with doublet chemotherapy, but was associated with an increase in adverse events

LBA3507: Randomized clinical trial on resection of the primary tumor versus no resection prior to systemic therapy in patients with colon cancer and synchronous unresectable metastases – Rahbari NN, et al

Study objective

- To evaluate the efficacy and safety of resection prior to systemic therapy in patients with colon cancer and synchronous unresectable metastases in German and Spanish centers



PRIMARY ENDPOINT

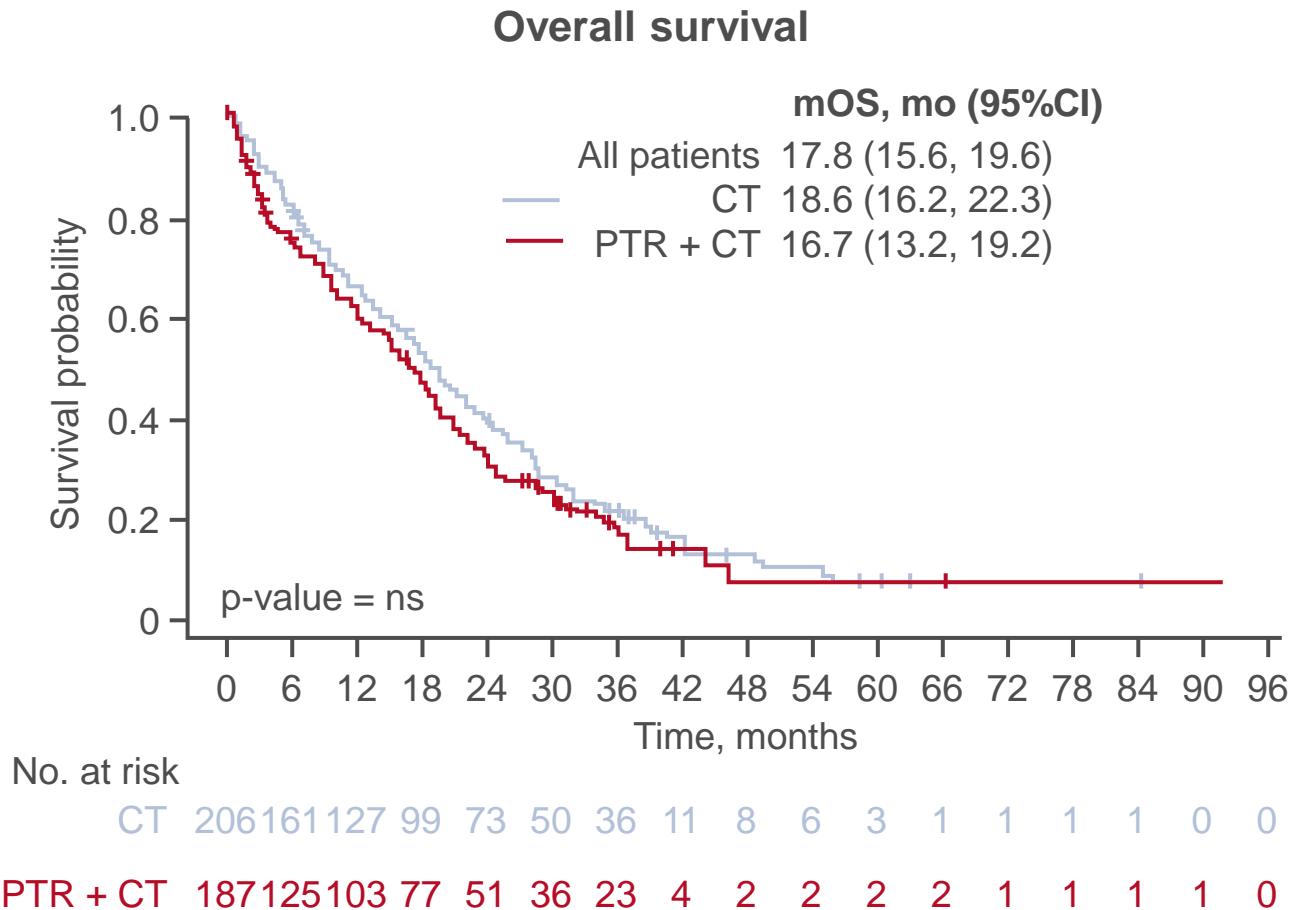
- OS

SECONDARY ENDPOINTS

- Perioperative morbidity/mortality, QoL, safety

LBA3507: Randomized clinical trial on resection of the primary tumor versus no resection prior to systemic therapy in patients with colon cancer and synchronous unresectable metastases – Rahbari NN, et al

Key results



LBA3507: Randomized clinical trial on resection of the primary tumor versus no resection prior to systemic therapy in patients with colon cancer and synchronous unresectable metastases – Rahbari NN, et al

Key results

| SAEs, n (%) | CT (n=206) | PTR + CT (n=187) |
|-------------------------|---------------|---------------------|
| Any | 37 (18.0) | 19 (10.2) |
| GI tract-related | 22 (10.7) | 8 (4.8) |
| SAEs, n | 43 | 22 |
| GI tract-related | 24 (55.8) | 8 (36.4) |
| Diarrhea | 1 (2.3) | 0 |
| Vomiting | 2 (4.7) | 1 (4.5) |
| Ileus/bowel obstruction | 18 (41.9) | 2 (9.1) |
| Bowel perforation | 3 (7.0) | 3 (13.6) |
| Colonic fistula | 0 | 2 (9.1) |
| Other | 19 (44.2) | 14 (4.8) |

Conclusions

- In patients with colon or high rectal cancer and synchronous unresectable metastases, resection of the primary tumor prior to chemotherapy did not improve OS compared with chemotherapy alone