PATIENT
EXAMPLE-CRC-01
REPORT DATE
17-Sep-2025

Gender: Female | Birth year: 1946 | WHO: 0

Tumor: Colorectum (cecum) carcinoma | Lesions: Lung, Peritoneal | Stage: IV

**Clinical summary** 

Relevant systemic treatment history None

Relevant other oncological history 11/2021 Hemicolectomy right (Cecum)

Previous primary tumor Skin squamous cell carcinoma (diagnosed 6/2016, last treatment 8/2016, considered

non-active)

Relevant non-oncological history 1/2019 Cerebrovascular accident

**Recent molecular results** 

NGS & MSI Panel (15-Jan-2023)

Tumor mutational burden TMB 8 mut/Mb

Microsatellite (in)stability Stable

Driver mutations KRAS G12D

**Trial-relevant IHC results** 

Trial

PD-L1 Score < 50%

#### Standard-of-care options considered potentially eligible

Cohort

Treatment	Literature efficacy evidence		Real-world efficacy evidence		Warnings
FOLFIRI		PHASE-3-CRC			
	PFS:	10.0 months (95% CI: 10.0-12.0)	PFS:	13.3 months, IQR: 12.6	
	OS:	25.0 months (95% CI: 25.0-30.0)	OS:	22.2 months, IQR: 24.8	
Trials in Other that are open and potentially eligible (0)					

# International trials that are open and potentially eligible (1 cohort from 1 trial)

Trial	Cohort	Molecular	Sites	
KRAS-G12D-TRIAL	KRAS G12D	KRAS G12D	NL: Utrecht, Germany: Stuttgart	

Sites

Molecular

Warnings

International trials are matched solely on molecular event and tumor type (clinical data excluded).

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## **Molecular Details**

### **NGS & MSI Panel (15-Jan-2023)**

Biopsy location Lung

Tumor mutational burden TMB 8 mut/Mb

Microsatellite (in)stability Stable

Driver mutations KRAS G12D

**IHC** results

Ki67 Positive, score 90%

PD-L1 Score < 50%

#### **Molecular history**

Event	Description	2023-01-15 NGS & MSI Panel
KRAS G12D (Tier III)	Mutation (cancer-associated variant) Loss of function	VAF 0.2232%
ТМВ		8.0
MSI		Stable

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# Efficacy evidence

## Standard of care options considered potentially eligible

The following standard of care treatment(s) could be an option for this patient. For further details per study see 'SOC literature details' section in extended report.

Treatment	Literature efficacy eviden	Literature efficacy evidence		
FOLFIRI	PHASE-3-CRC			
	Patient characteristics:			
	WHO/ECOG	0: 100, 1: 80, 2: 20, 3: 0, 4: 0		
	Primary tumor location	Left: 145, Both or unknown: 10, Right: 45		
	Mutations KRAS exon 2 wild-type 200/200			
	Metastatic sites	Liver only: 58 (32.0%), Lung only: 10 (6.0%)		
	Previous systemic therapy	y 35/200		
	Prior therapies	Adjuvant chemotherapy		
	Median PFS:	10.0 months (050/ Cl. 10.0.12.0)		
	Wedian PFS:	10.0 months (95% CI: 10.0-12.0)		
	Median OS:	25.0 months (95% CI: 25.0-30.0)		

#### PHASE-3-CRC

PHASE-3-CRC, Phase III, Adjuvant Study:

Molecular requirements: None

Therapies: FOLFIRI+Cetuximab, FOLFIRI

Patient characteristics:

	Cetuximab + FOLFIRI (n=100)	FOLFIRI (n=200)
Age (median [range])	65.0 [40-75]	65.0 [30-75]
Sex	Male: 50	Male: 120

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	Female: 50	Female: 80
Race	NA	NA
Region	Europe: 100 patients	Europe: 200 patients
WHO/ECOG	0: 80, 1: 10, 2: 10, 3: 0, 4: 0	0: 100, 1: 80, 2: 20, 3: 0, 4: 0
Primary tumor location	Left: 78	Left: 145
	Both or unknown: 3	Both or unknown: 10
	Right: 19	Right: 45
Mutations	KRAS exon 2 wild-type 100/100	KRAS exon 2 wild-type 200/200
Metastatic sites	Liver only: 62 (62.0%), Lung only: 4 (4.0%)	Liver only: 58 (32.0%), Lung only: 10 (6.0%)
Time of metastases	Unknown	Unknown
Previous systemic therapy	30/100	35/200
Prior therapies	Adjuvant chemotherapy	Adjuvant chemotherapy

### Primary endpoints:

Cetuximab + FOLFIRI

**FOLFIRI** 

Hazard ratio (HR) / Odds Ratio (OR) P value

Median follow-up for PFS was 70 months

#### Secondary endpoints:

	Cetuximab + FOLFIRI	FOLFIRI	Hazard ratio (HR) / Odds Ratio (OF	R) P value
Median Overall Survival (95% CI)	35.0 (25.0 - 40.0)	25.0 months (25.0 - 30.0)	0.75 (0.6 - 0.95)	p = 0.011
Median Progression-Free Survival (95% CI)	10.0 (10.0 - 12.0)	10.0 months (10.0 - 12.0)	0.99 (0.8 - 1.25)	p = 1

Median follow-up for PFS was 70 months

#### Treatment decisions (percentage of population assigned to systemic treatment) in NCR real-world data set

	All (n=9207)	Age 73-83y (n=2727)	WHO 1 (n=2828)	RAS positive (n=2760)	Liver only lesions (n=2715)
FOLFIRI	38.5%	23.8%	37.9%	44.6%	39.5%

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#### Median overall survival (OS) in months in NCR real-world data set

	All (n=9207)	Age 73-83y (n=2727)	WHO 1 (n=2828)	RAS positive (n=2760)	Liver only lesions (n=2715)
FOLFIRI	<b>16.1</b> , IQR: 18.2	<b>15.4</b> , IQR: 18.2	<b>14.8</b> , IQR: 16.3	<b>15.8</b> , IQR: 14.2	<b>16.5</b> , IQR: 17.4
	(n=3543)	(n=649)	(n=1071)	(n=1230)	(n=1073)
Median progression-free	survival (PFS) in months in No				
	All (n=5018)	Age 73-83y (n=1330)	WHO 1 (n=1623)	RAS positive (n=1822)	Liver only lesions (n=1534)
FOLFIRI	<b>8.2</b> , IQR: 5.5	<b>8</b> , IQR: 6.1	<b>7.9</b> , IQR: 5	<b>8</b> , IQR: 4.7	<b>8.3</b> , IQR: 5.3
	(n=2106)	(n=340)	(n=661)	(n=836)	(n=652)

#### **Explanation:**

These tables only show treatments that are considered standard of care (SOC) in colorectal cancer in the Netherlands.

The 'All' column shows results in NCR patients who were previously untreated, diagnosed with colorectal cancer with distant metastases and treated systemically without surgery, for whom the treatment could be categorized in SOC treatments.

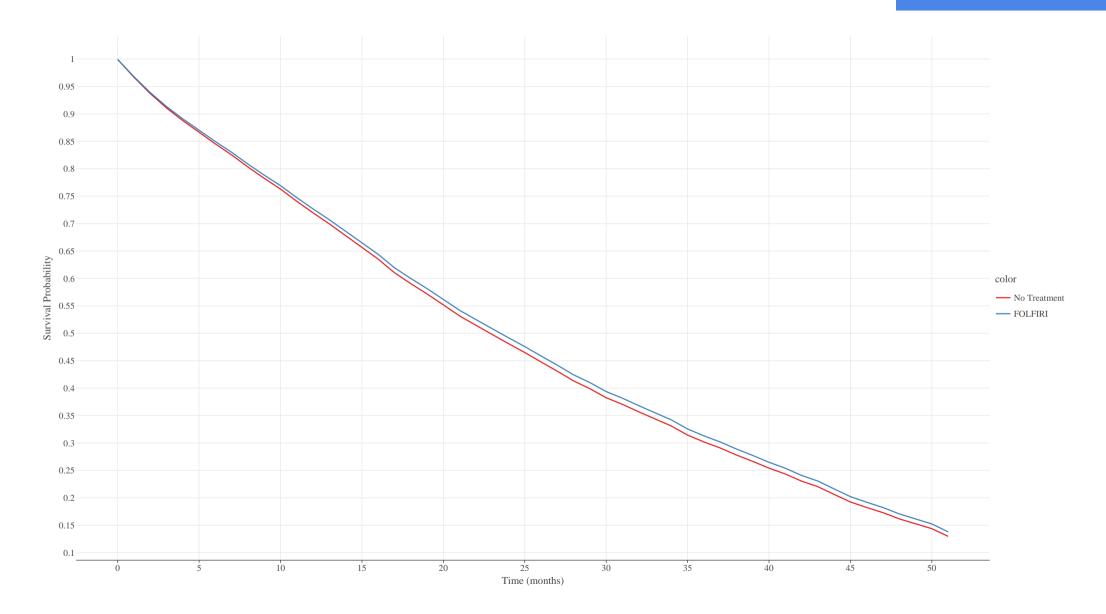
The 'Age', 'WHO', 'RAS' and 'Lesions' columns show results based on patients from the 'All' population, filtered for equal WHO, similar age, equal RAS status or equal lesion localization, respectively.

'PFS' is calculated as the duration from the date on which the first compound of the treatment was administered, until first progression.

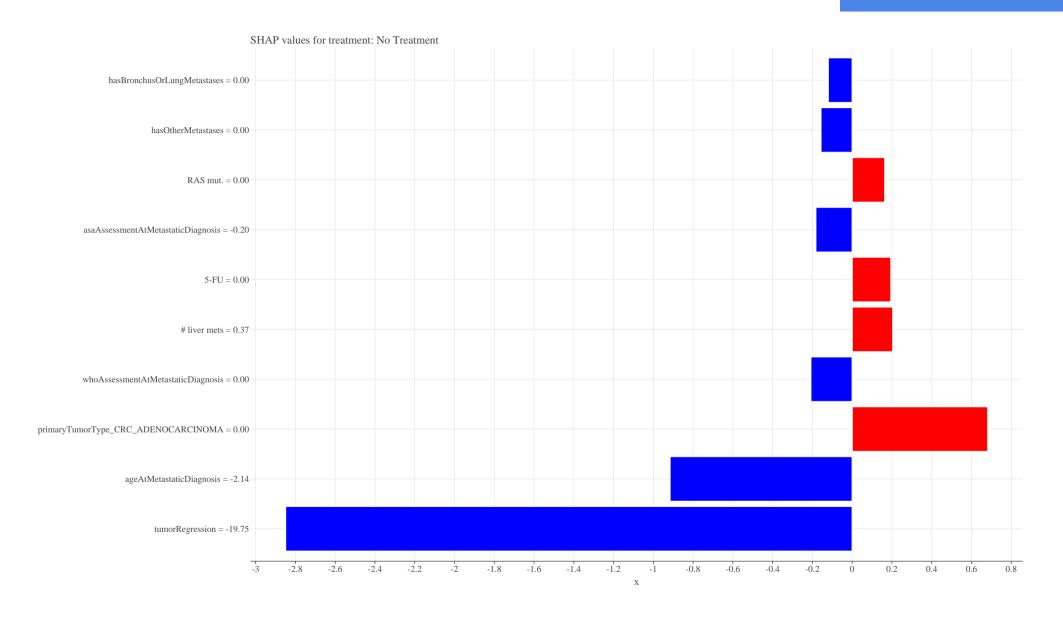
'OS' is calculated as the duration from the date on which the first compound of the treatment was administered, until death from any cause.

When patient number is too low (n  $\leq$  20) to predict PFS or OS, "NA" is shown.

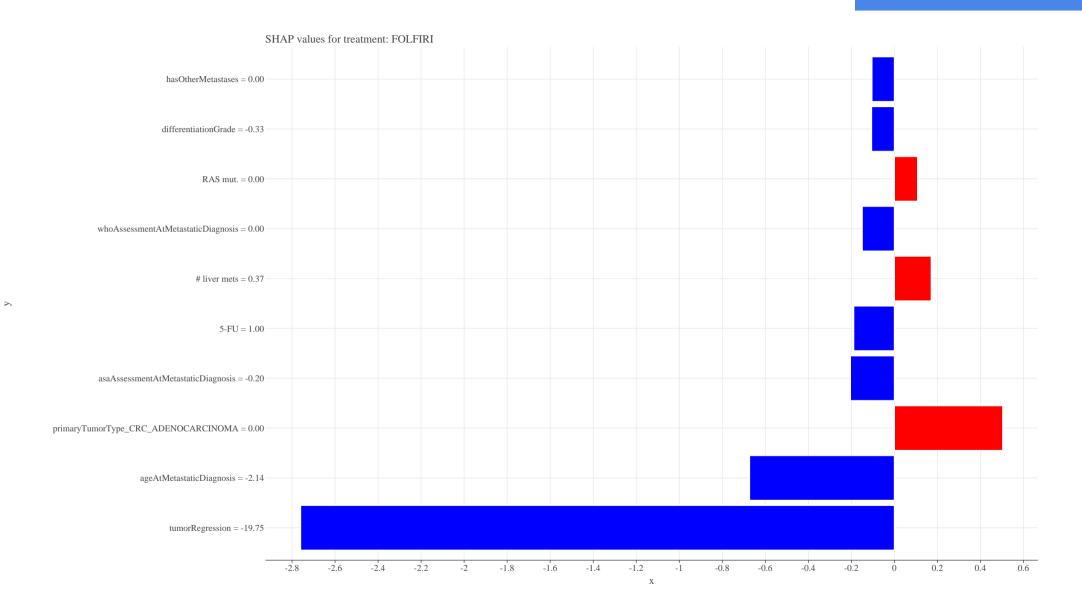
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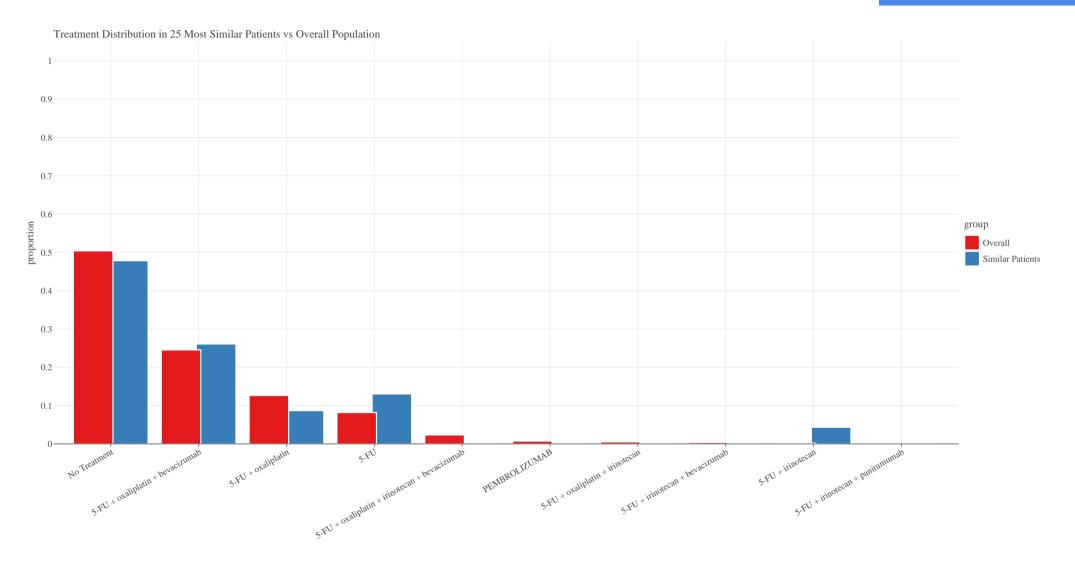
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treatment

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### Resistance evidence

Treatment		Mutation	Evidence source	Evidence level	Found in molecular analysis
FOLFIRI		GENE S11C	[1]	D	Yes
On label clinica	al evidence				
Event	CKB Event	Level A	Level B	Level C	Level D
None					
Off label clinica	al evidence				
Event	CKB Event	Level A	Level B	Level C	Level D
None					
Efficacy eviden	ce description				
None					
Treatment rank	ing				
Treatment		Ev	vents	Score	

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#### **Clinical Details**

### **Clinical summary**

Relevant systemic treatment history None

Relevant other oncological history 11/2021 Hemicolectomy right (Cecum)

Skin squamous cell carcinoma (diagnosed 6/2016, last treatment 8/2016, considered Previous primary tumor

non-active)

1/2019 Relevant non-oncological history Cerebrovascular accident

Patient current details (05-Mar-2023)

Unresolved toxicities grade => 2 None Cancer-related complications Unknown Known allergies Morphine

Recent surgeries 12-Nov-2021 Hemicolectomy right

Tumor details (05-Mar-2023)

Measurable disease Yes

Known lesions Lung, Peritoneal Unknown lesions Lymph node

No lesions present CNS, Brain, Liver, Bone

**Active medication details** 

Medication Administration route Start date Stop date Dosage Frequency

None

**Blood transfusions** 

**Product** Date ERTHROCYTES\_FILTERED 10-Jan-2023

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## **Trial Matching Details**

Trials in Other that are open and potentially eligible (0)

Trial Cohort Molecular Sites Warnings

International trials that are open and potentially eligible (1 cohort from 1 trial)

Trial Cohort Molecular Sites

KRAS-G12D-TRIAL KRAS G12D KRAS G12D NL: Utrecht, Germany: Stuttgart

International trials are matched solely on molecular event and tumor type (clinical data excluded).

## Trials and cohorts that are potentially eligible, but are closed (2)

Trial	Cohort	Molecular	Sites	Warnings	
METC 01 IEMOEN	Applies to all cohorts below	all cohorts below None		Has not exhausted SOC	
	Dose escalation - monotherapy				
	Dose expansion - monotherapy				

## Trials and cohorts that are considered ineligible (2)

Trial	Cohort	Molecul	Ineligibility reasons
		ar	
METC 02 KAYRAS	Applies to all cohorts below	KRAS G12D	PD-L1 expression below minimum of 50.0
	Dose expansion - monotherapy - Colorectum		
	Dose expansion - monotherapy - NSCLC		No lung non-small cell carcinoma

# Trials and cohorts that are not evaluable or ignored (0)

Trial Cohort Molecula Sites Configuration

r

None

#### Other trials & cohorts

## **METC 02**

Potentially eligible No
Acronym KAYRAS

Title A phase 1/2 trial for first in-human usage of KAYRAS, a new specific KRAS G12D inhibitor in NSCLC and

colorectal cancer

Reference Evaluation

I-05 FAIL

PD-L1 expression below minimum of 50.0

# METC 02 - Dose expansion - monotherapy - NSCLC

Cohort ID A

Potentially eligible? No

Open for inclusion? Yes

Has slots available? Yes

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Reference	Evaluation
I-02	FAIL
	No lung non-small cell carcinoma

### METC 02 - Dose expansion - monotherapy - Colorectum

Yes

Cohort ID Potentially eligible? No Open for inclusion? Yes Has slots available? Yes

#### METC 01

Potentially eligible

Acronym	IEMOEN
Title	Phase I first-in-human study to evaluate safety of IEMOEN, a new PD-L1 inhibitor in advanced solid tumors
Reference	Evaluation
I-03	WARN
	Has not exhausted SOC
E-01	PASS
	Has no other condition belonging to category autoimmune disease
E-02	PASS
	Hemoglobin above 6 mmol/L
E-03	PASS
	Neutrophils above 1.5
I-01	PASS
	Patient is at least 18 years old
I-02	PASS
	Has solid primary tumor
	Stage IV is considered metastatic

# METC 01 - Dose escalation - monotherapy

Cohort ID Potentially eligible? Open for inclusion? No Has slots available? No

### METC 01 - Dose expansion - monotherapy

Cohort ID Potentially eligible? Yes Open for inclusion? No Has slots available? No