



2019
AIOM REVIEW:
FROM CHICAGO
TO VERONA

Verona, 14 Giugno 2019

Colorectal Cancer: Poster Reviewer

Dr.ssa Elena Ongaro

SOC Oncologia Medica e Prevenzione Oncologica
Centro di Riferimento Oncologico (CRO), IRCCS, Aviano

Agenda

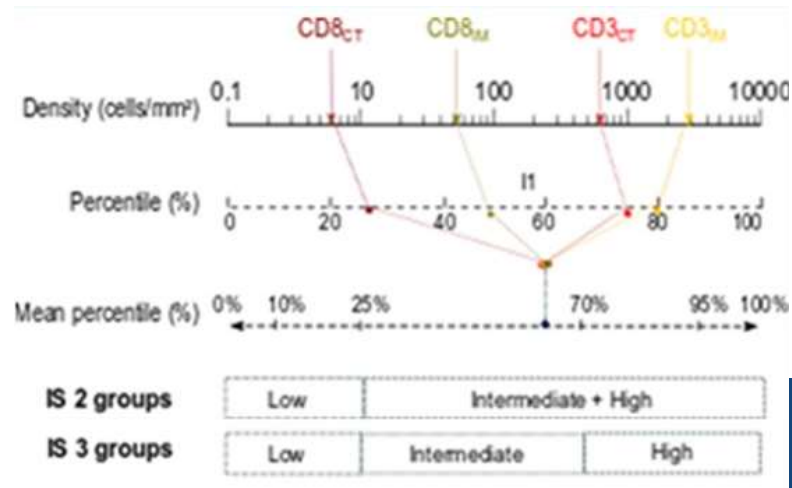
- Early-stage disease
- Hitting targets
- Immunotherapy
- Special Populations

Agenda

- Early-stage disease
 - #3513; #3519; #3518
- Hitting targets
- Immunotherapy
- Special Populations

#3513 IDEA France trial: Immunoscore®

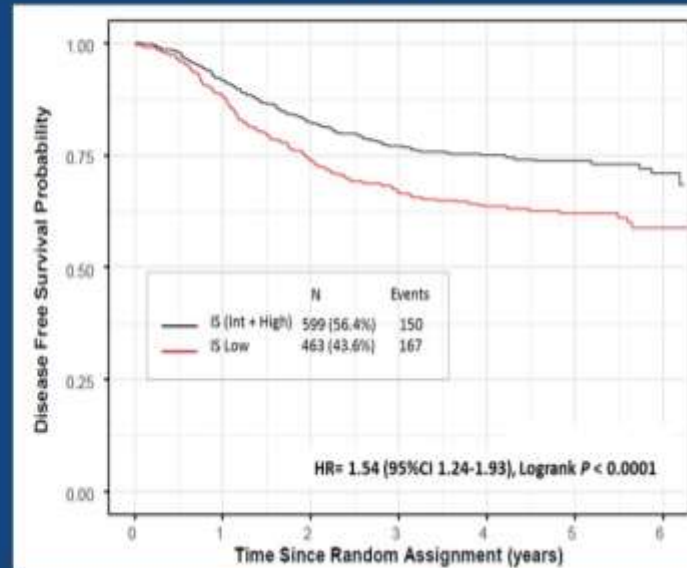
1322 pts



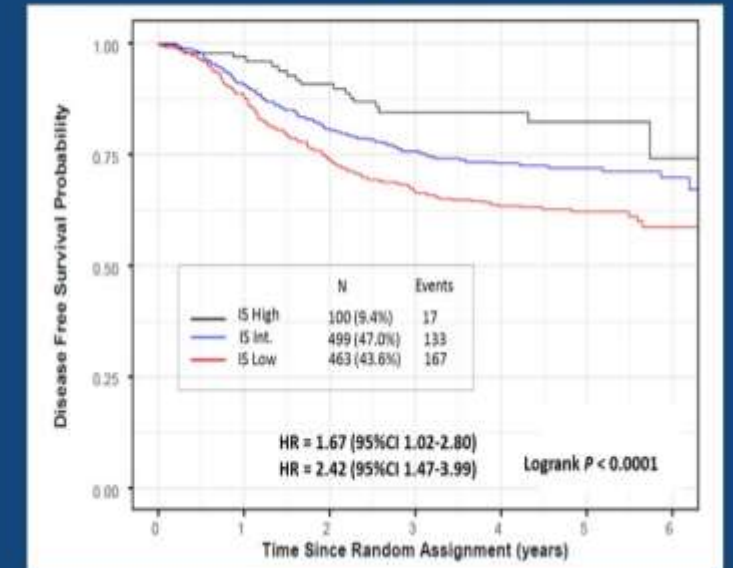
DFS

Primary
objective

IS 2 groups (Low, Int+High)



IS 3 groups (Low, Int, High)



#3513 IDEA France trial: Immunoscore®

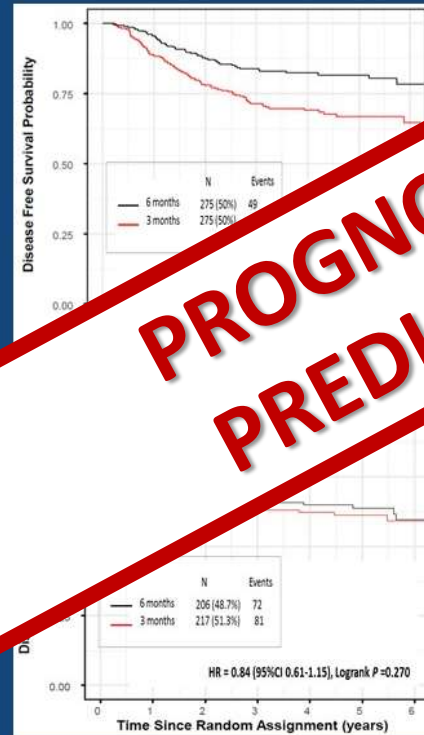
Patients with higher IS had a higher DFS with a longer duration of therapy, whereas the duration of therapy did not appear make a difference in the low IS group

6 months

3 months

IS (Int + High)

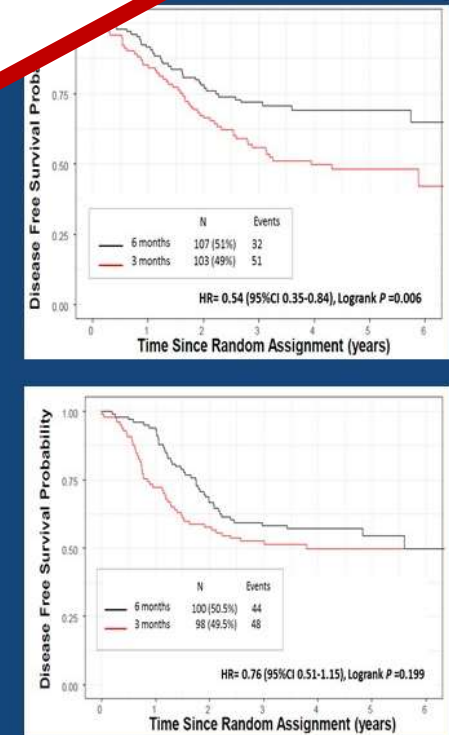
All patients



Low risk



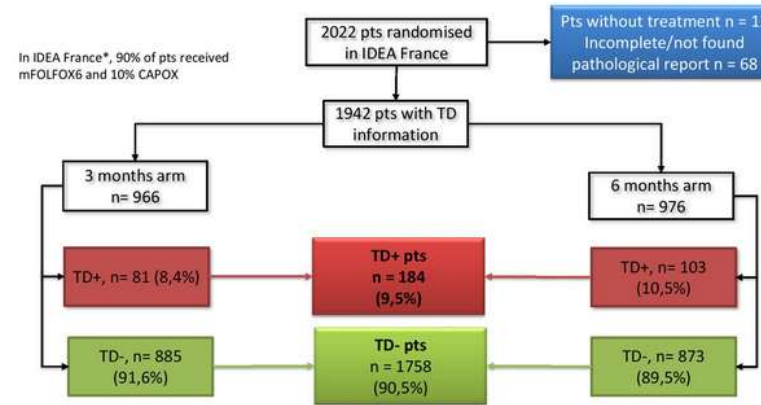
(T4 and/or N2)



PROGNOSTIC? YES
PREDICTIVE?????

#3519 IDEA France trial: Tumor Deposits

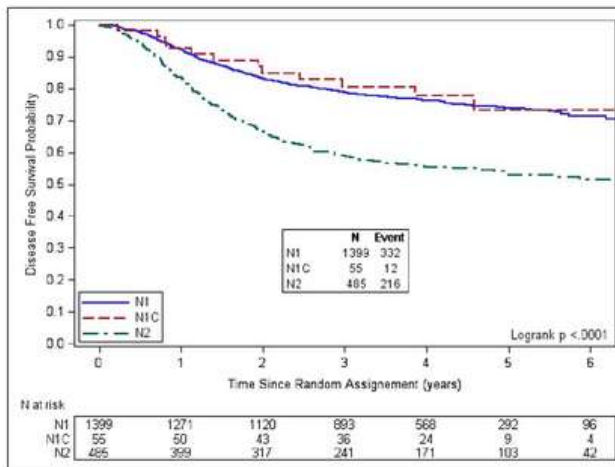
- **Tumor deposits (isolated tumor foci in the pericolic fat without residual lymph node tissue)**
 - occurs in approximately 20% of patients with colon cancer
 - are associated with poor outcome
- **In AJCC TNM 7 and 8 :**
 - TD-positive tumors are classified N1c in the absence of lymph node metastases (LNM)
 - TD are not taken into account in the presence of a LNM



Delattre et al. #3519

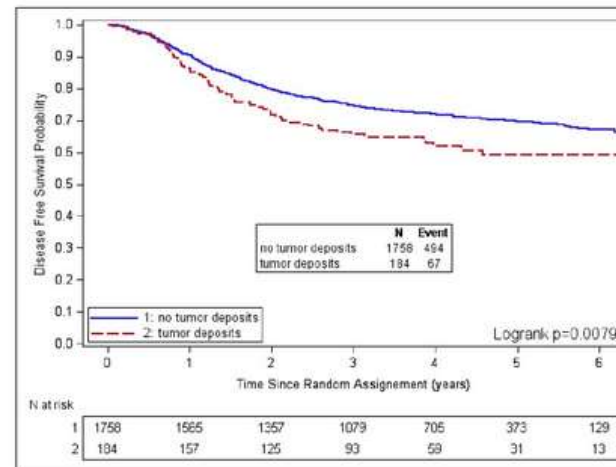
TD+ CC patients had higher T stage, T/N stage and more frequently vascular or perineural invasion than TD- CC patients

N1c versus N1a/b vers N2 CC



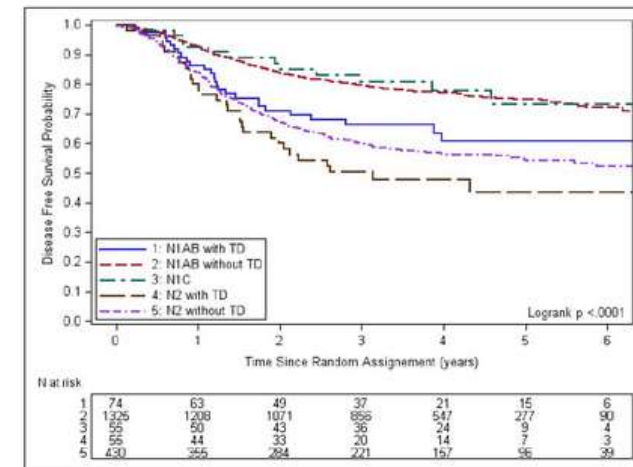
No DFS difference between N1c and N1a/b CC patients

TD-positive vs TD-negative stage III CC



Significantly worse DFS in stage III patients with TD

Prognostic value of TDs according to pN stage



#3519 IDEA France trial: Tumor Deposits

Restaging from low to high risk

In TNM AJCC 7, the tumor is staged as N2 if LNM count ≥ 4 .

Every TD was added to the LNM count in the N1 population.

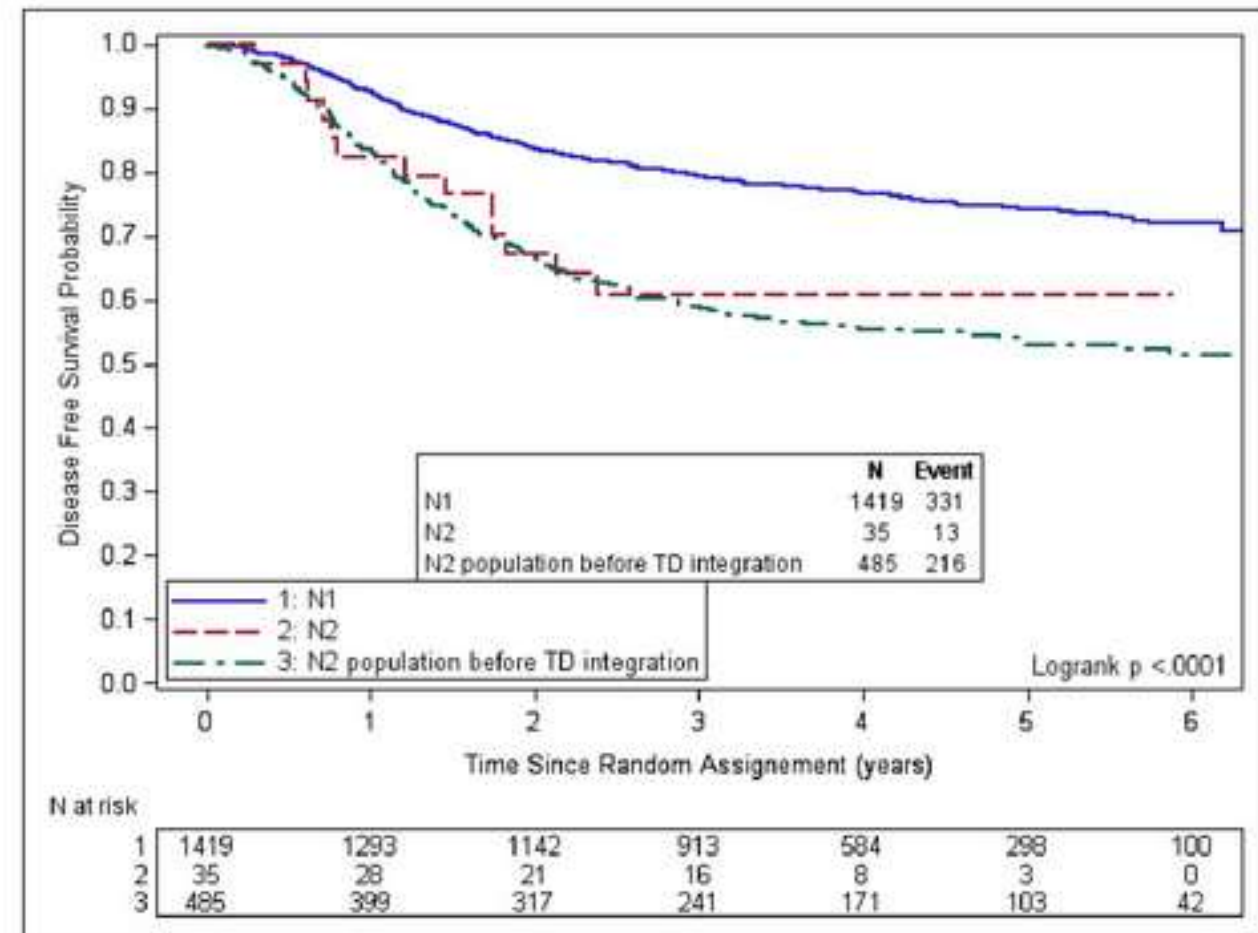
If the sum of LNM and TD* was equal or superior to 4, the patient was considered as « restaged N2 »

*for the N1c population, CC with ≥ 4 TD were considered as "restaged N2"

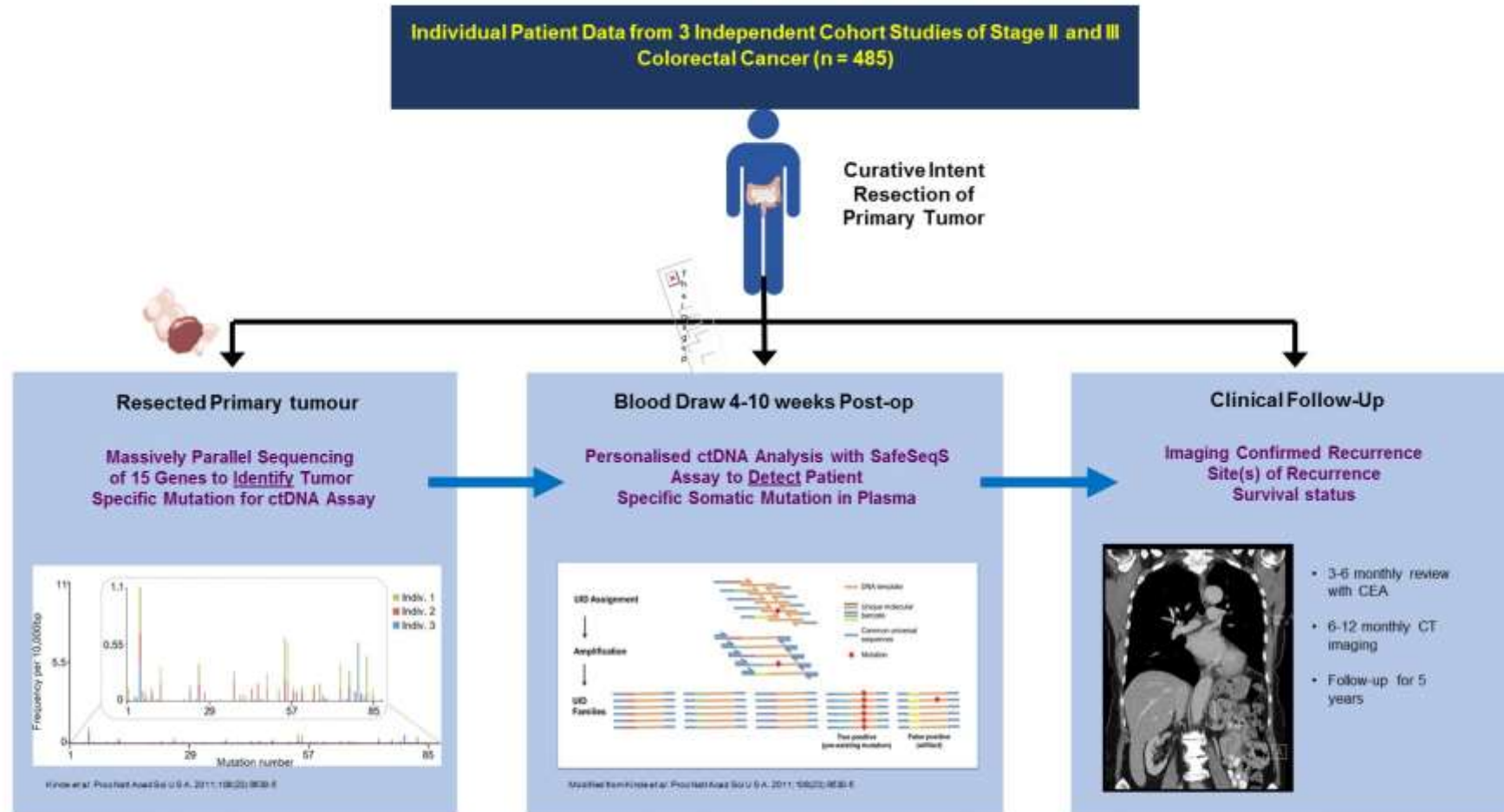
A total of 35 pts (only 2.4% of the N1 population) were restaged from N1 to N2 by adding TDs to the LNM count

- TD are a major prognostic factor, both qualitatively and quantitatively.
- TD should be considered in the evaluation of stage III colon cancer prognosis and **integrated to the LNM count** to help characterize high risk N1 patients.
- Our results suggest that adding TD to the LNM count could reclassified some low risk CC as high risk, by restadifying them N2, and therefore modify the optimal chemotherapy duration for those patients.
- Further analysis in patients treated with CAPOX might be of great interest to address the issue of adjuvant treatment duration for TD-positive low-risk CC patients.

Delattre et al. #3519



#3518 ctDNA



Combined analysis of 3 independent cohort studies to examine the prognostic significance of post-op ctDNA in stage II and III CRC

#3518 ctDNA: prognostic significance

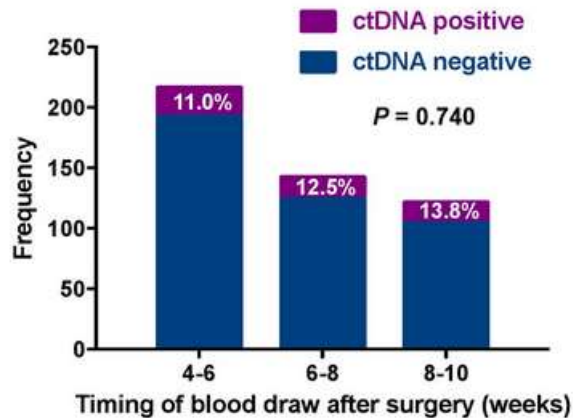


Figure 2. ctDNA detection rate (% positive test) according to the timing of blood draw after surgery. All blood draws were performed prior to any chemotherapy.

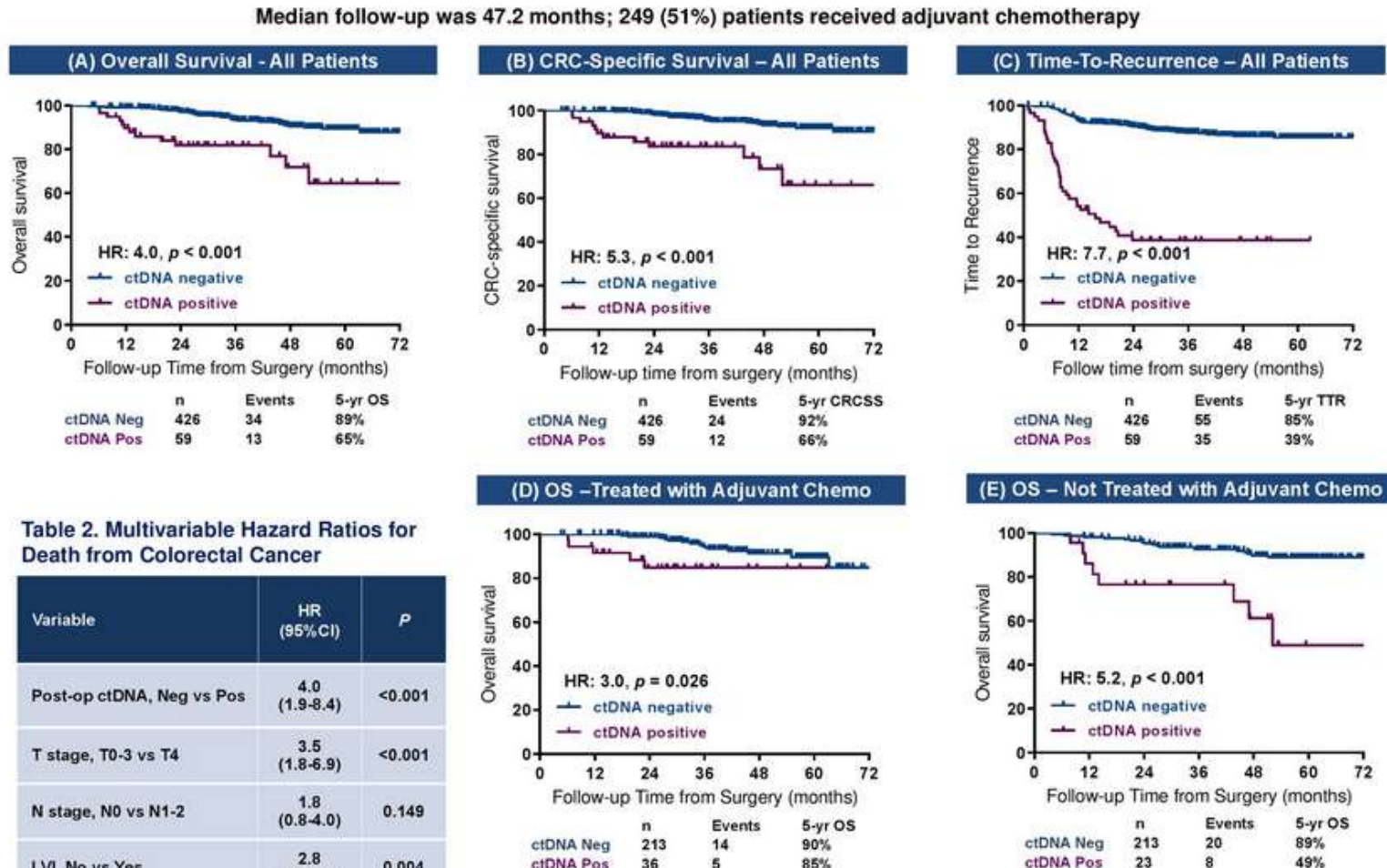


Table 2. Multivariable Hazard Ratios for Death from Colorectal Cancer

Variable	HR (95%CI)	P
Post-op ctDNA, Neg vs Pos	4.0 (1.9-8.4)	<0.001
T stage, T0-3 vs T4	3.5 (1.8-6.9)	<0.001
N stage, N0 vs N1-2	1.8 (0.8-4.0)	0.149
LVI, No vs Yes	2.8 (1.4-5.7)	0.004
Age (continuous)	1.04 (1.0-1.1)	0.015

Figure 3. Kaplan-Meier Estimates of Survival and Recurrence According to the Presence or Absence of Post-Surgery ctDNA. (A) Overall Survival, (B) CRC-Specific Survival, (C) Time-to-Recurrence (TTR), (D) OS for patients treated with adjuvant chemotherapy, (E) OS for patients not treated with adjuvant chemotherapy

#3518 ctDNA: role of MAF?

- Where samples for ctDNA analysis are collected 4 to 10 weeks post surgery, the timing of sample collection may not significantly impact detection rates. However, the numerical higher detection rate with a later blood draw needs to be considered when designing ctDNA-guided interventional clinical trials.
- Detection of ctDNA 4-10 weeks after surgery is associated with a significantly worse overall survival, CRC-specific survival and a shorter time to recurrence.
- While ctDNA status alone is a powerful prognostic factor, the prognostic significance of ctDNA detection may be further enhanced by analysis of the mutation allele frequency.
- There appears to be a clinical benefit from administering adjuvant chemotherapy regardless of mutation allele frequency.
- ctDNA analysis appears to be most sensitive for detecting minimal residual disease at distant sites.

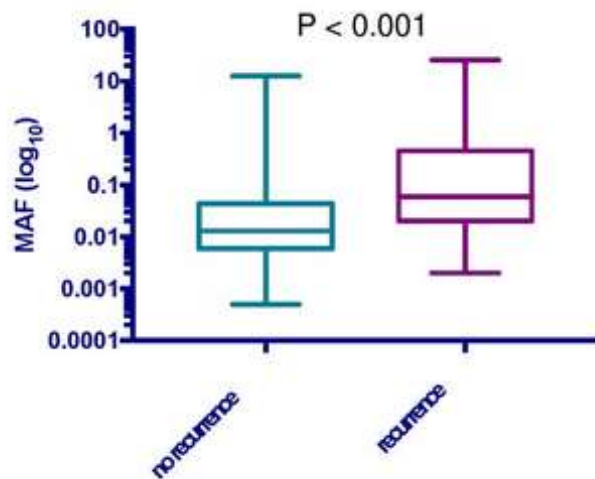


Figure 4. Box and whiskers plot of ctDNA MAF for ctDNA positive patients with or without recurrence. Groups are compared with Mann-Whitney test.

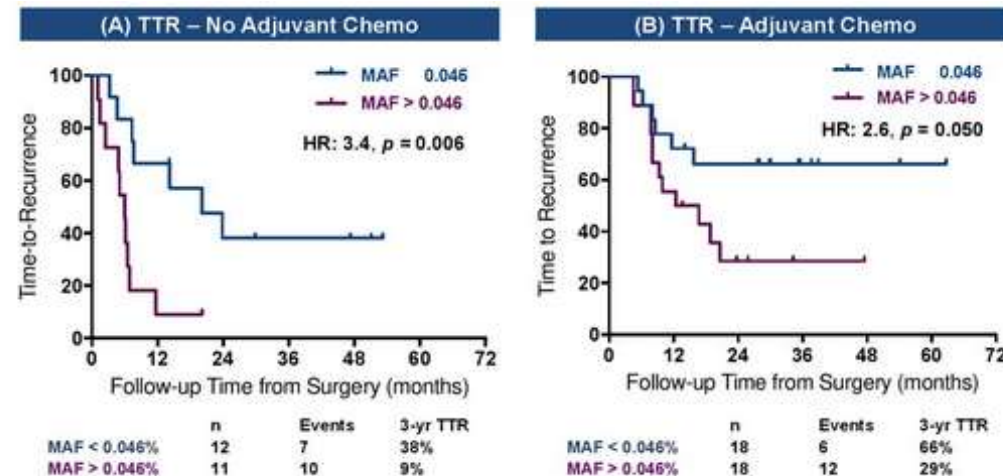


Figure 5. KM estimates of TTR according to post-surgery ctDNA MAF using the median MAF of 0.046% as cut-off in (A) patients not treated with adjuvant chemotherapy and (B) patients treated with adjuvant chemotherapy. Adjuvant chemotherapy administration appears to be associated with lower recurrence in both MAF sub-groups.

Agenda

- Early-stage disease
- Hitting targets
 - #3509; #3511; #3526; #3527; #3580; #3538
- Immunotherapy
- Special Populations

MGMT-deficiency

Prevalence: ~40%

MGMT
promoter hypermethylation/loss of
IHC expression



MGMT
loss of expression



Failure of repair of
O⁶-meG DNA adducts



chemosensitivity
to alkylating agents

Study	Schedule	N pts	ORR	PFS (months)
Amatu et al	DTIC 250 mg/m ² /day d 1-4 q21d	26	8%	1.7
Hochauser et al	TMZ 150 mg/m ² /day d on/7 d off	37	3%	/
Pietrantonio et al	TMZ 150 mg/m ² /day d 1-5, q28d	32	12%	1.8
Pietrantonio et al	TMZ 75 mg/m ² /day d 1-21 q28d	32	16%	2.2
Amatu et al	TMZ 200 mg/m ² d 1-5 q28	29	3%	2.6
Morano et al	TMZ 150 mg/m ² d 1-5 q28 IRINOTECAN 100 mg/m ² d 1, 15 q28	25	24%	4.4

Amatu et al, Clin Cancer Res 2013; Hochauser et al, Mol Can Ther 2013; Pietrantonio et al, Ann Oncol 2014; Pietrantonio et al, Target Oncol 2016; Amatu et al, Ann Oncol 2016; Morano et al, Ann Oncol 2018

#3509 CAPTEM trial

Figure 1. trial design

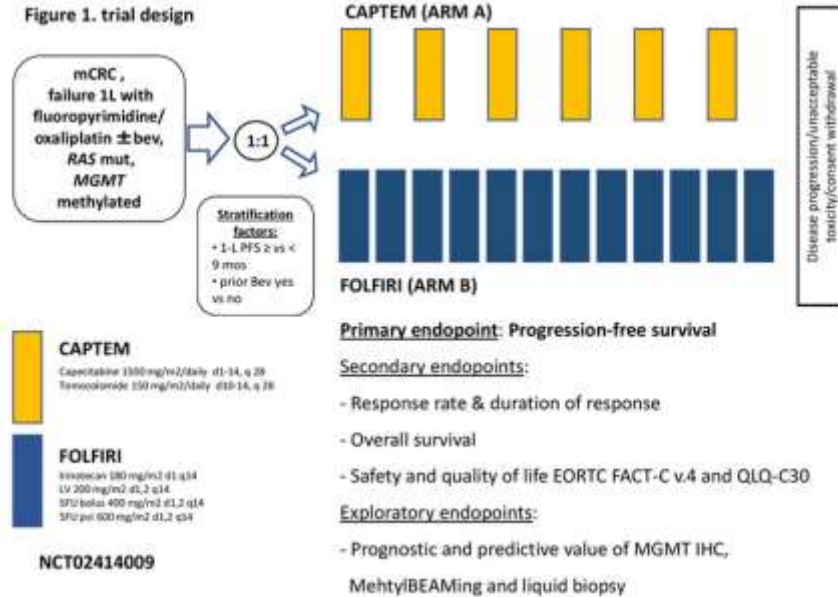
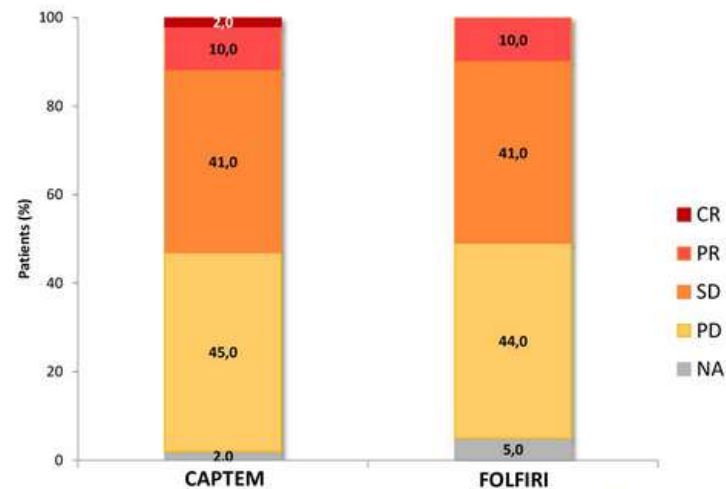


Fig 2. Best response according to RECIST v1.1 in ARM A vs ARM B



At a median follow up of 27.4 mos, 75 PFS/50 OS events were collected.
 The median PFS in arm A vs B was 3.5 vs 3.7 mos (HR=1.23; 95%CI: 0.78-1.95; p=0.372; Fig. 3)
 The median OS in arm A vs B was 14.8 vs 14.0 mos (HR=0.92; 95% CI: 0.52-1.63; p=0.782; Fig. 4).

Fig 3. Kaplan-Meier curves for PFS in ARM A vs ARM B

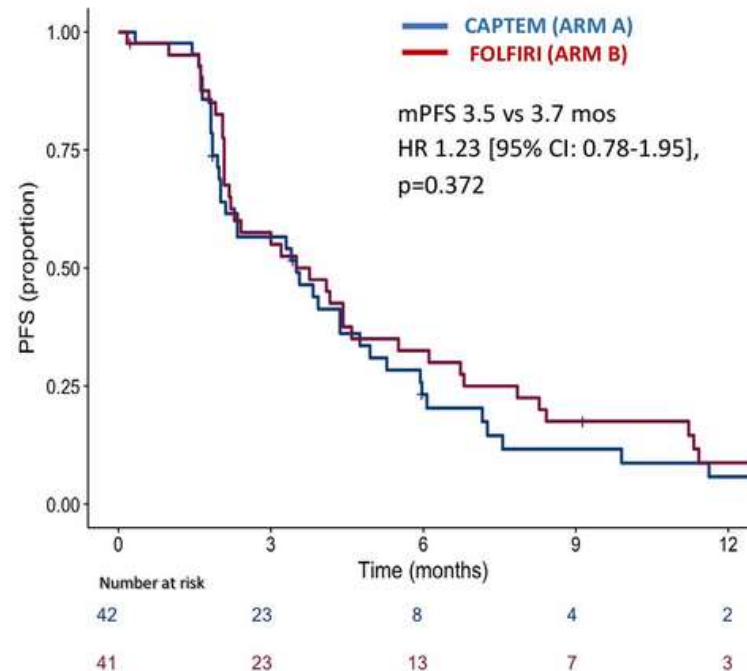
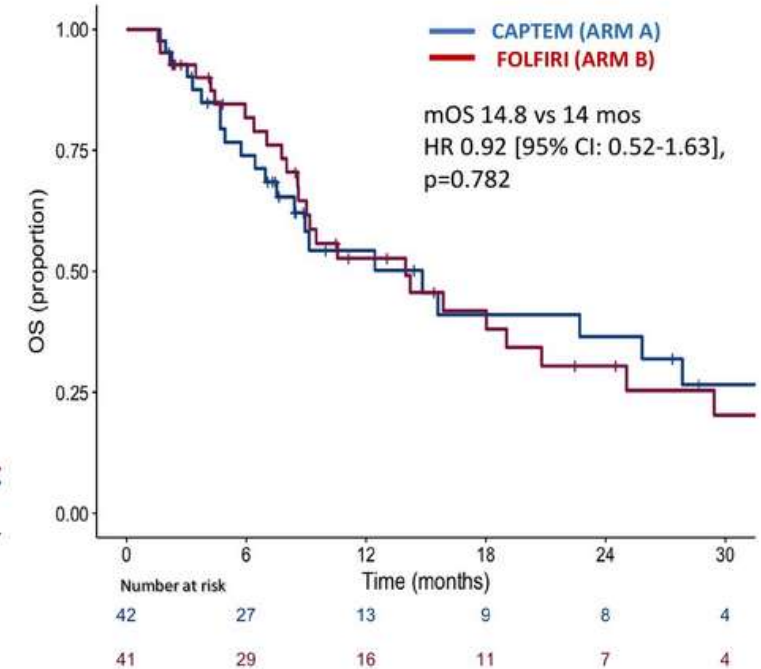


Fig 4. Kaplan- Meier curves for OS in ARM A vs ARM B



#3509 CAPTEM trial: negative but..

Overall, MGMT IHC status was not prognostic for PFS ($p=0.532$) and OS ($p=0.436$).

In the **MGMT IHC positive subgroup** ($n = 49$), mPFS in arm A vs arm B: 2.0 vs 3.8 mos; HR=2.22 [1.07-4.58],

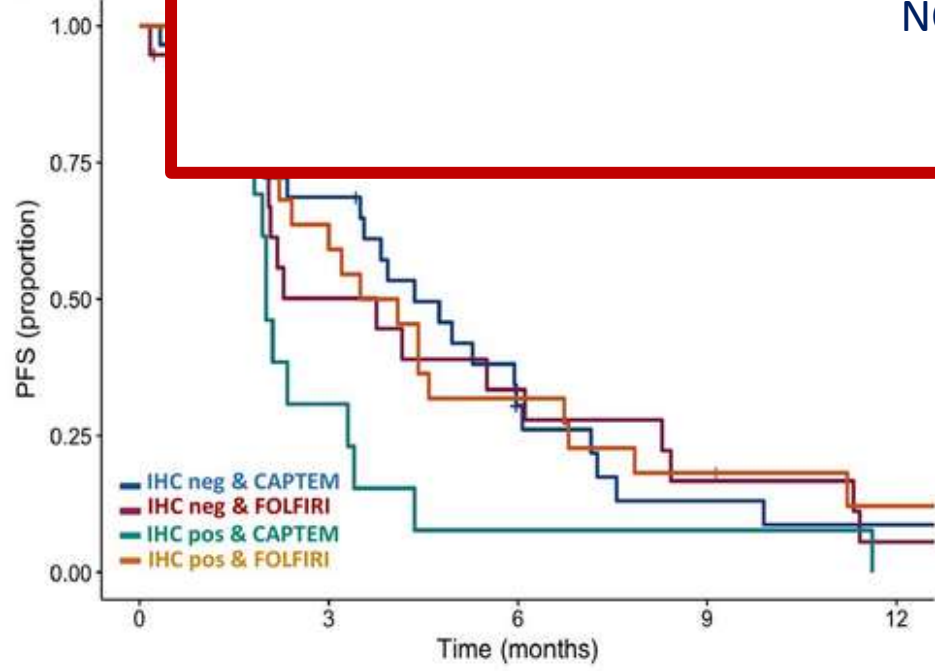
$p=0.031$, a

In the **MG**

1.86], $p=0.$

No signific

Fig 5. Kaplan



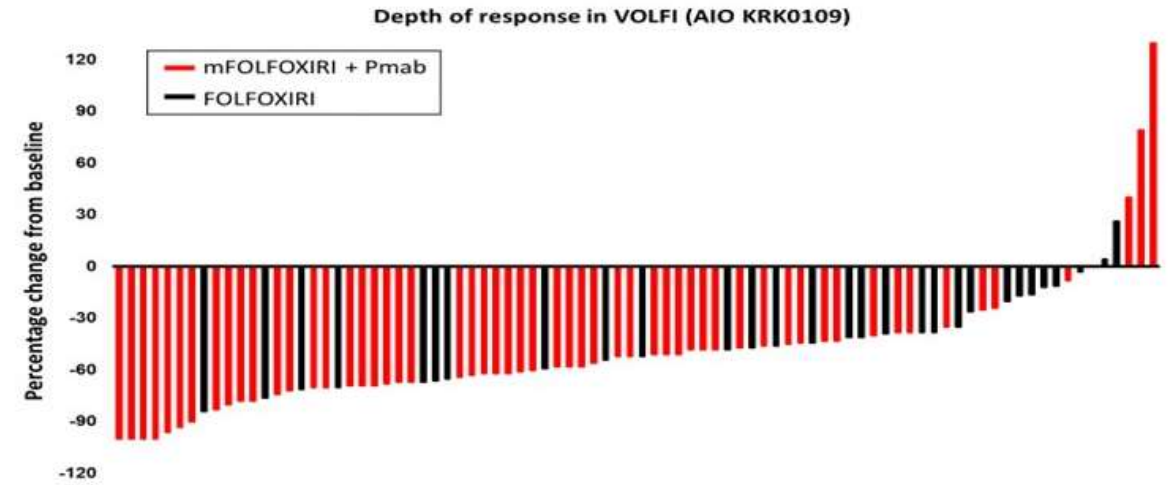
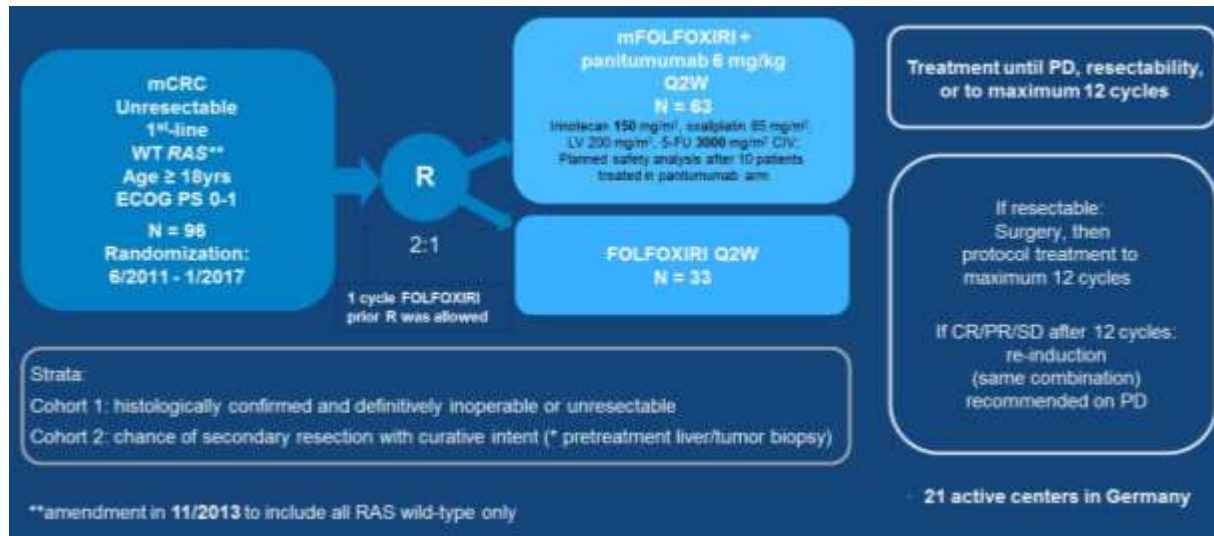
TRIAL IN PROGRESS:

NIVOLUMAB Plus IPILIMUMAB and TEMOZOLOMIDE in Microsatellite Stable, MGMT Silenced Metastatic Colorectal Cancer (MAYA)
NCT03832621

Tab 3. mPFS according MGMT IHC	IHC positive		IHC negative	
	CAPTEM	FOLFIRI	CAPTEM	FOLFIRI
Median PFS, mPFS	2.0	3.8	4.4	3.8
	HR 2.22 [1.07-4.58], $p=0.031$		HR 1.00 [0.53-1.86], $p=0.99$	

#3511 VOLFI trial: final results

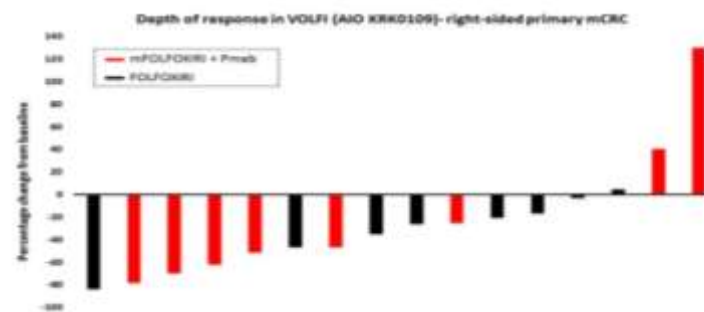
All Patients



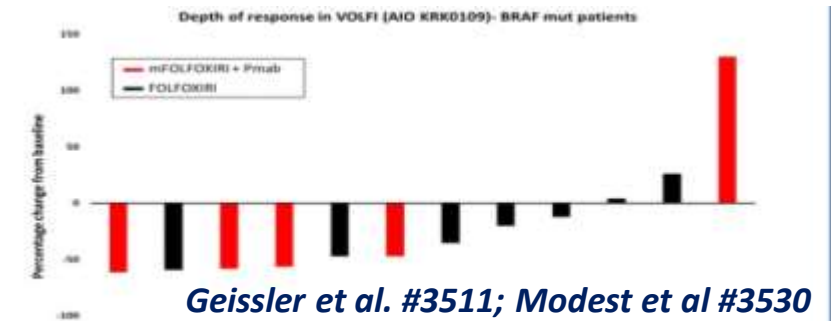
Left sided



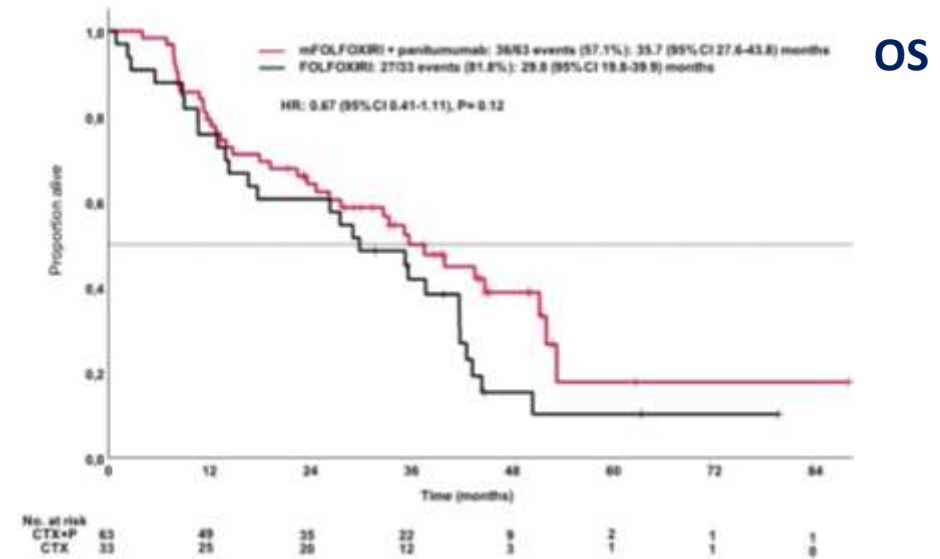
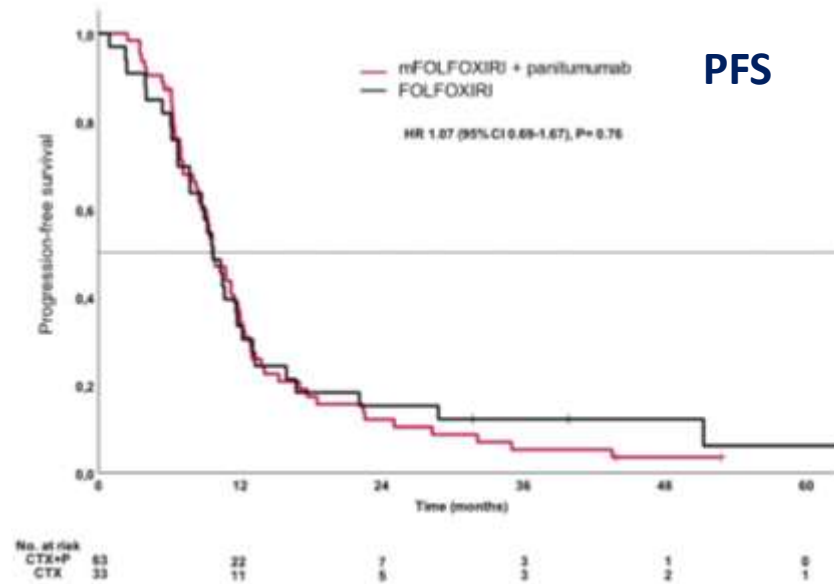
Right sided



BRAF mutants



#3511 VOLFI trial: final results



- The trial met its primary endpoint, but failed its secondary endpoints of PFS and OS
- Impressive depth of response observed
- BRAF mutated?

#3580 EPIC trial:

Figure 2. OS in the *RAS* wt population of EPIC

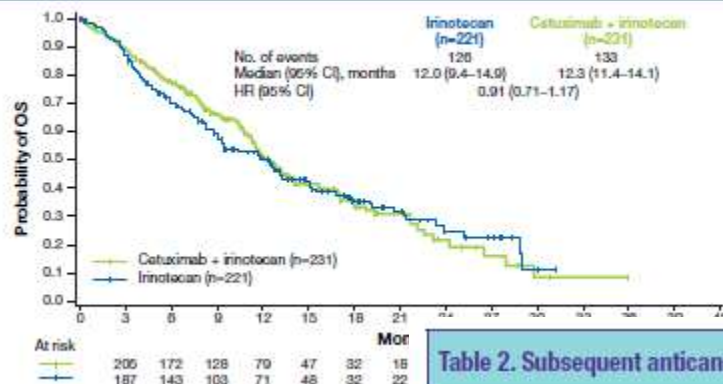
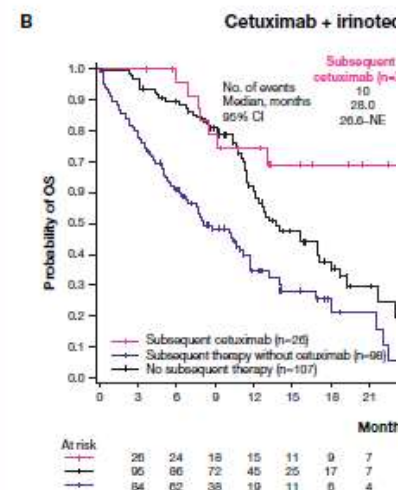
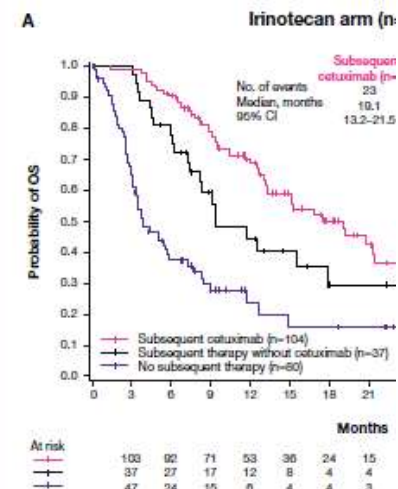


Table 2. Subsequent anticancer therapies received

	Irinotecan n=221, n (%)	Cetuximab + irinotecan n=231, n (%)
Subsequent systemic anticancer therapy		
Any therapy	141 (63.8)	124 (53.7)
No therapy	80 (36.2)	107 (46.3)
With cetuximab	104 (47.1)	26 (11.3)
Without cetuximab	37 (16.7)	98 (42.4)
Most common anticancer drugs*		
Irinotecan	106 (48.0)	36 (15.6)
Fluorouracil	47 (21.3)	49 (21.2)
Capecitabine	35 (15.8)	50 (21.6)
Folinic acid	34 (15.4)	37 (16.0)
Bevacizumab	31 (14.0)	36 (15.6)
Oxaliplatin	23 (10.4)	36 (15.6)
Mitomycin	20 (9.0)	28 (12.1)
Reason for first subsequent anticancer regimen after EPIC		
Clinical deterioration without progression	2 (0.9)	1 (0.4)
Documented disease progression	133 (60.2)	112 (48.5)
Maintenance therapy without progression	4 (1.8)	11 (4.8)
Other	2 (0.9)	0

* Other than cetuximab; in >10% of patients in either arm.

Figure 3. OS by subsequent therapy in the *RAS* wt population of EPIC



- Cetuximab-based therapy is suitable as a standard, second-line treatment for patients with *RAS* wt mCRC
- Although a 6-fold higher ORR and 2-fold longer PFS were observed with the addition of cetuximab to second-line irinotecan in the *RAS* wt population of the EPIC study, there was no difference in OS, which is in contrast to the historical OS benefit afforded by cetuximab therapy in the first and later lines of therapy in *RAS* wt mCRC
 - Since 47% of patients in the control arm received cetuximab after the study, the lack of OS benefit of the addition of cetuximab to irinotecan in the EPIC study may be potentially attributed to post-study crossover
- This subgroup analysis suggests an increased survival benefit in both treatment arms with post-study cetuximab therapy compared with post-study therapy without cetuximab
 - These results highlight the potential value of cetuximab in the rechallenge setting as well as beyond progression in *RAS* wt mCRC
- A limitation of this analysis is that patients who live longer are more likely to receive cetuximab and other therapies in any of the subsequent treatment lines. Furthermore, there is a potential bias on OS due to the differences in the proportion of subsequent therapies with and without cetuximab in the 2 treatment arms. Finally, the ratio of rechallenge vs beyond progression was not captured in this analysis

#3538 Lenvatinib and #3527 Apatinib

	Investigator review (N = 30)	Central review (N = 30)
CR	0	0
PR	1	2
SD	20	19
PD	7	7
NE	2	2
DCR (90% CI)	70.0% (53.5-83.4)	70.0% (53.5-83.4)

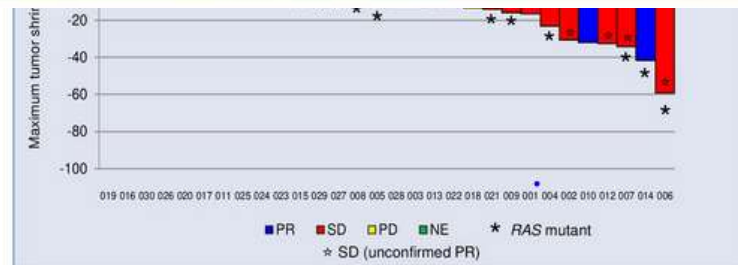
mCRC
2L→
ECOG 0-2



Apatinib 500 mg qd

q28 until PD

- ✓ Lenvatinib showed promising antitumor activity with acceptable toxicity for heavily pretreated patients with mCRC after failure of standard chemotherapies.
- ✓ No unexpected safety signals were observed and toxicities were manageable with dose modification, interruptions, and supportive medications.



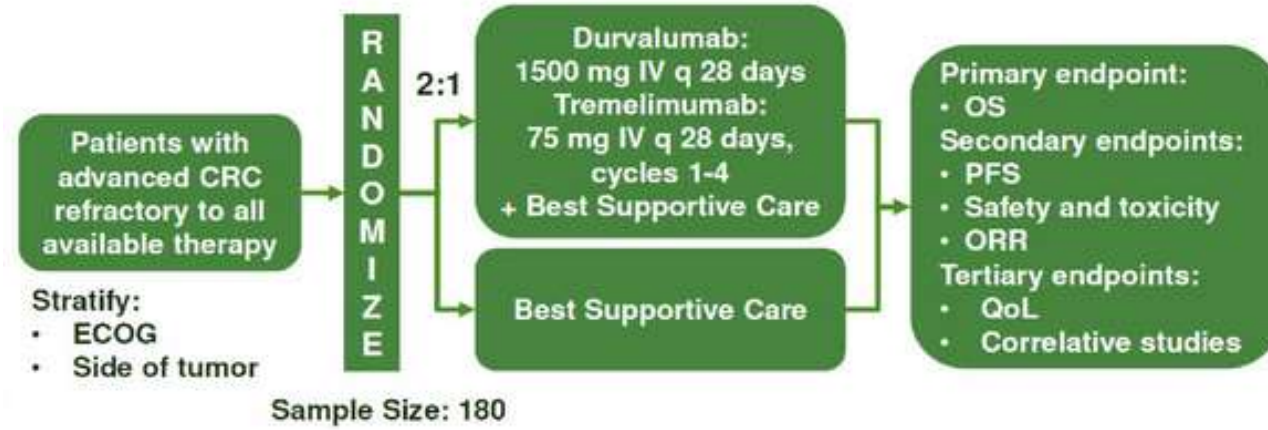
- ✓ Apatinib monotherapy showed promising efficacy and manageable toxicities.
- ✓ Phase III trial is warranted.

DCR	26 (60.4%)
mPFS	4.7 mo (95% CI 3.7-5.9)
mOS	9.7 mo (95% CI 5.9-13.6)

Agenda

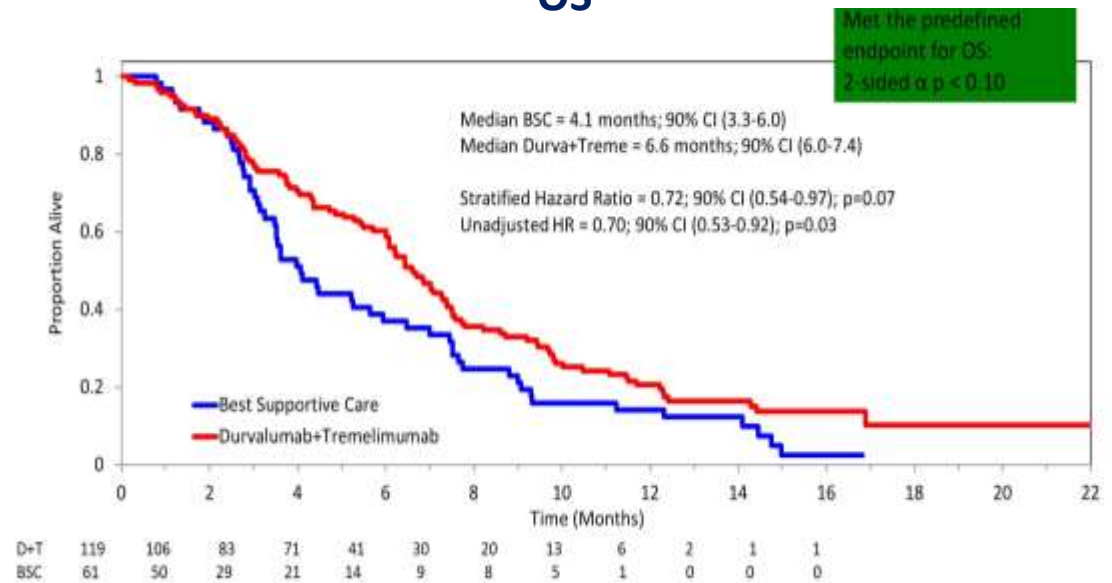
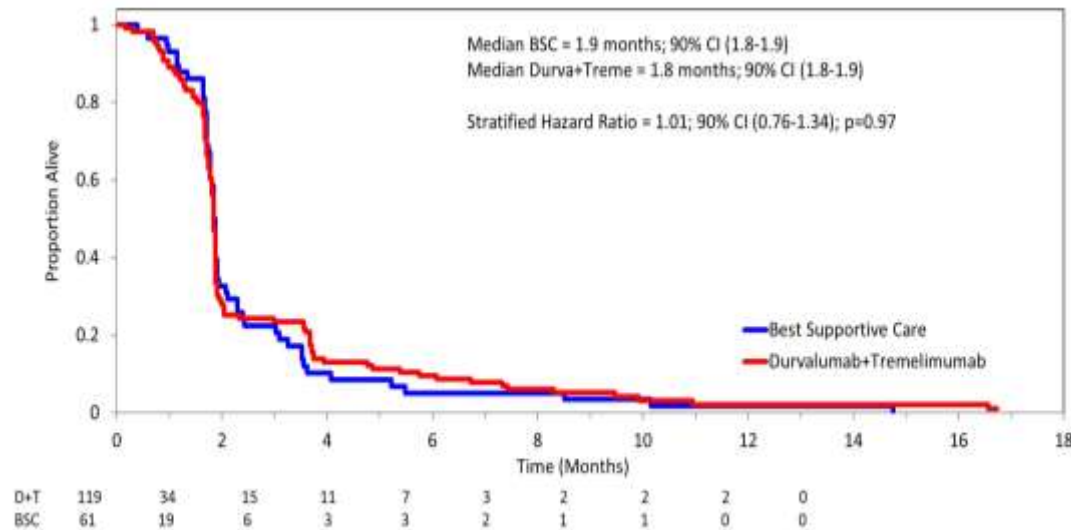
- Early-stage disease
- Hitting targets
- Immunotherapy
 - #3512; #3514; #2522; #3521
- Special Populations

#3512 CCTG CO.26 trial



PFS

OS



#3512 CCTG CO.26 trial: TMB

Figure 4. Tumor mutation burden (TMB)

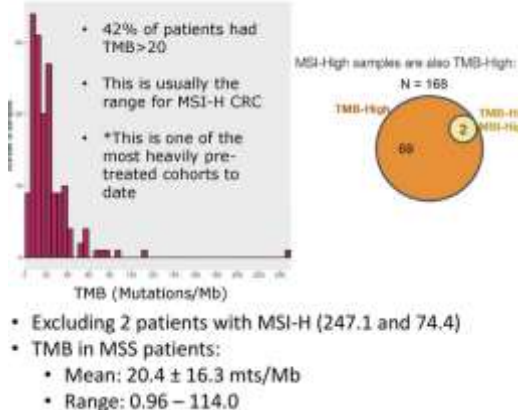


Figure 5. Overall survival for pts in the BSC arm by TMB

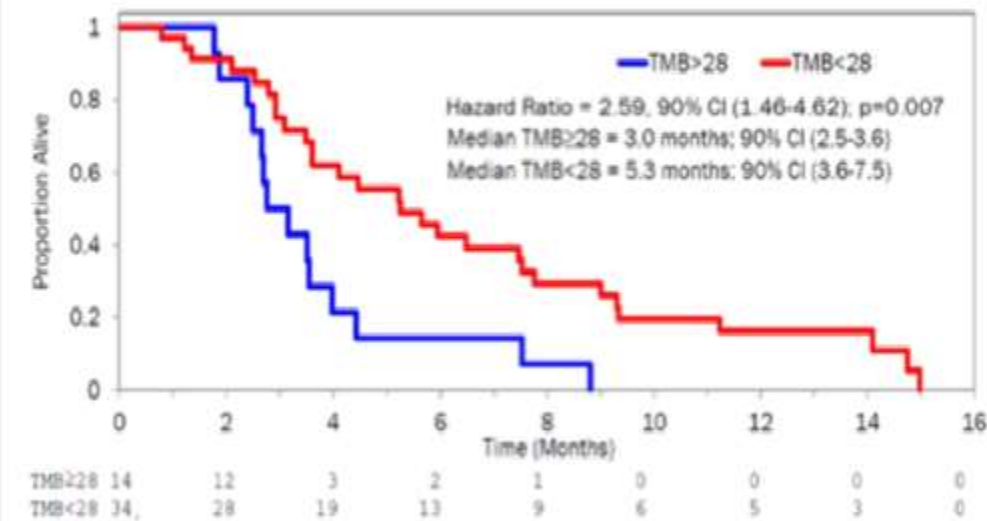


Figure 6. Overall survival for pts with TMB ≥ 28

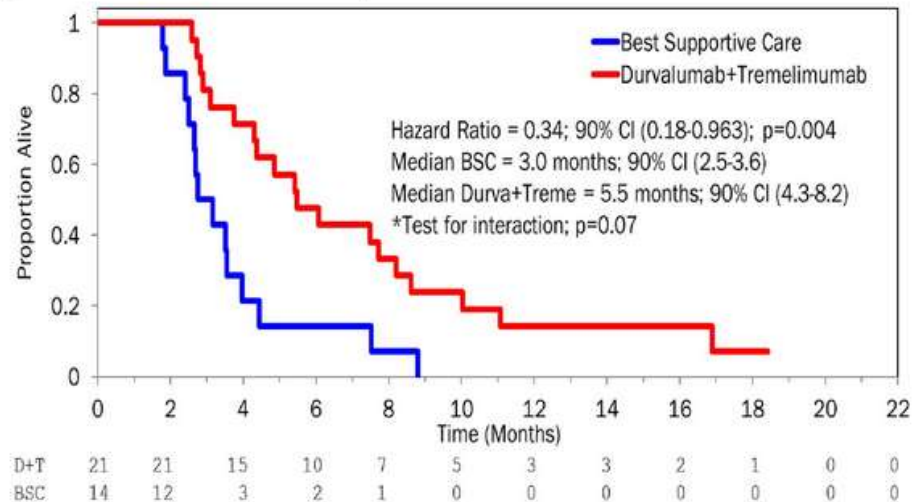
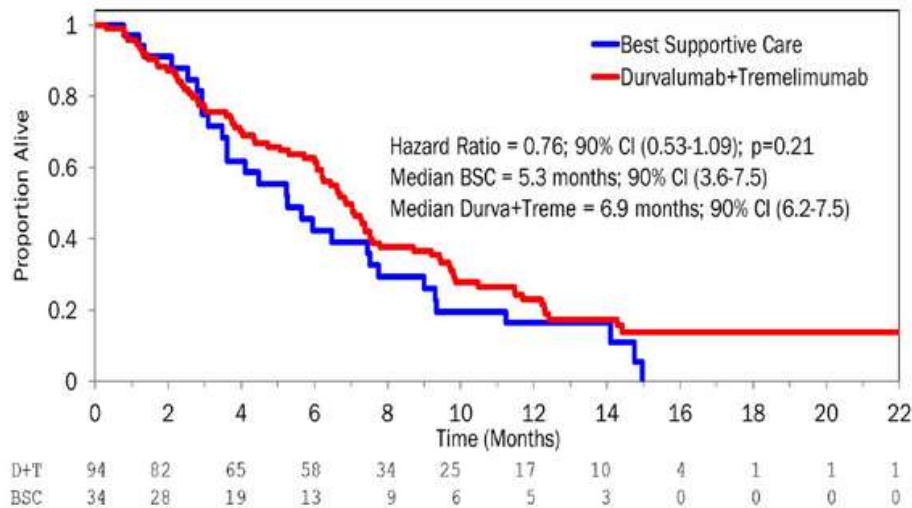
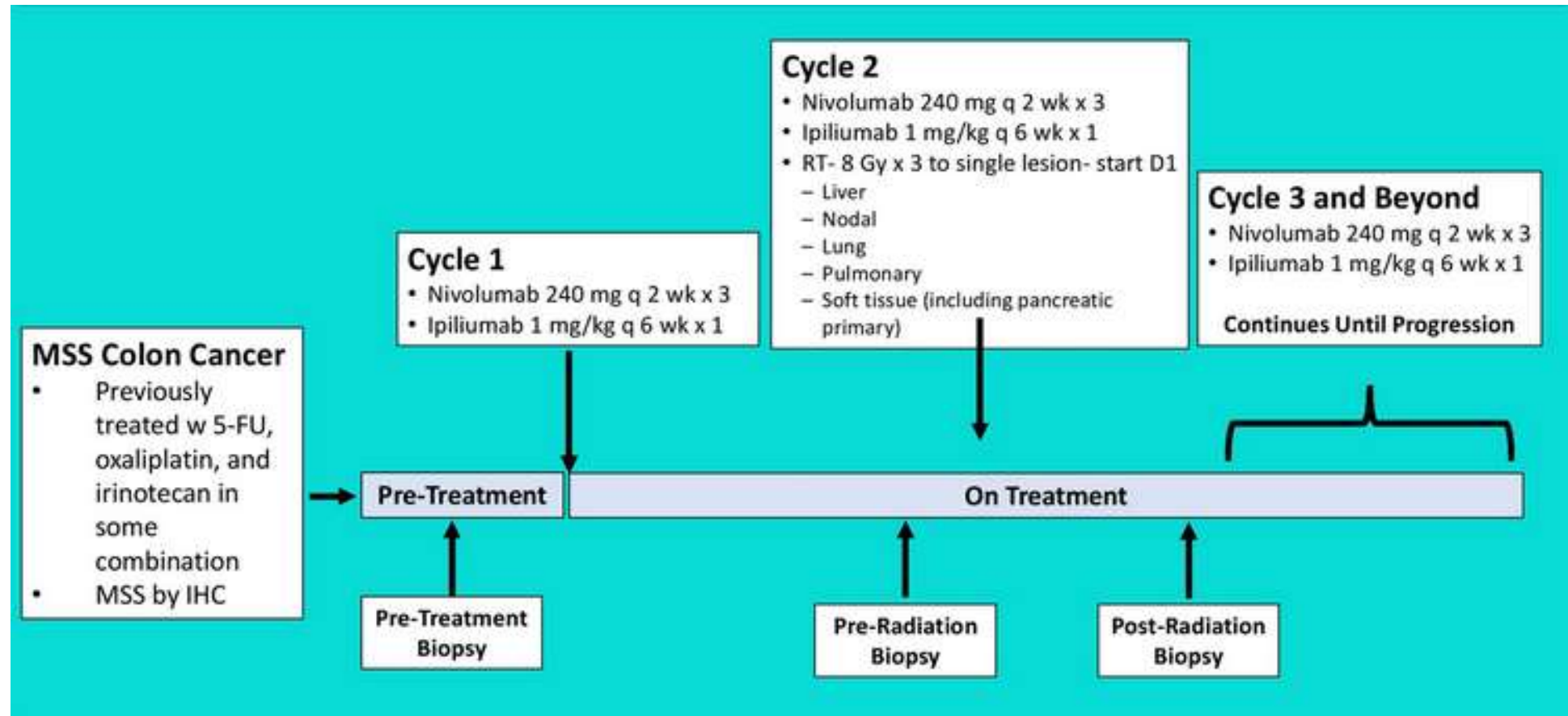


Figure 7. Overall survival for pts with TMB < 28



#3514 Nivo+Ipi+RT

40 pts
2L→



Target lesions: not irradiated ones

#3514 Nivo+Ipi+RT: results

Figure 1. % change in tumor dimension of comparable lesion(s) at Best Response for the mITT cohort

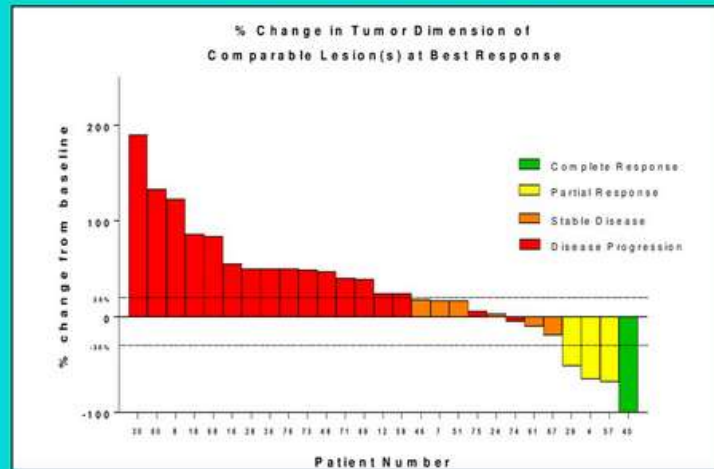


Figure 2. Duration of Treatment for ITT cohort

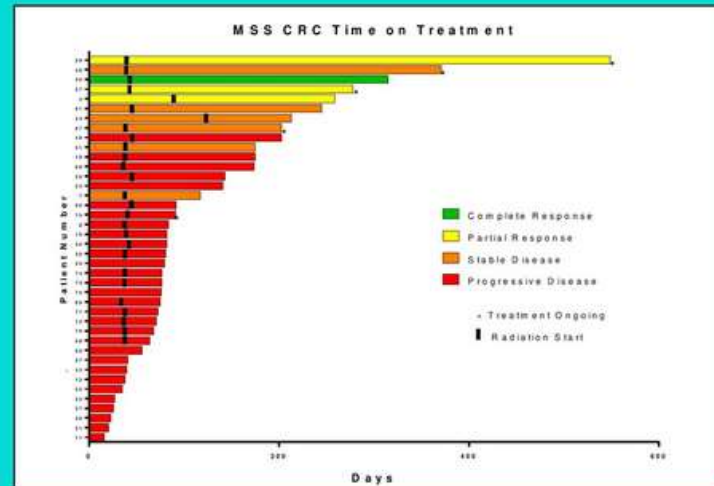


Figure 3. Overall Survival in the ITT cohort; HR interpretation of time-varying model

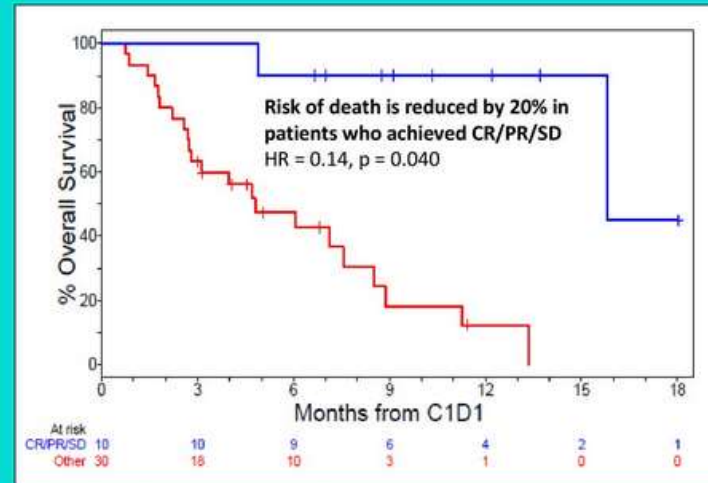


Figure 4. Change in ctDNA (%) from baseline of a responding patient

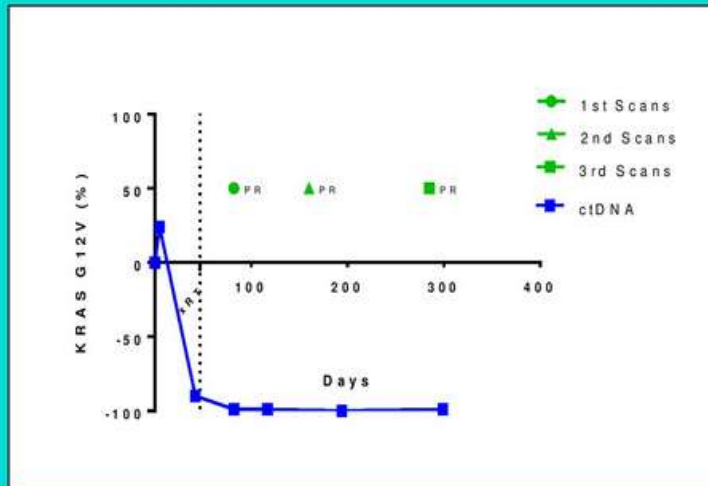


Table 2. Efficacy Data

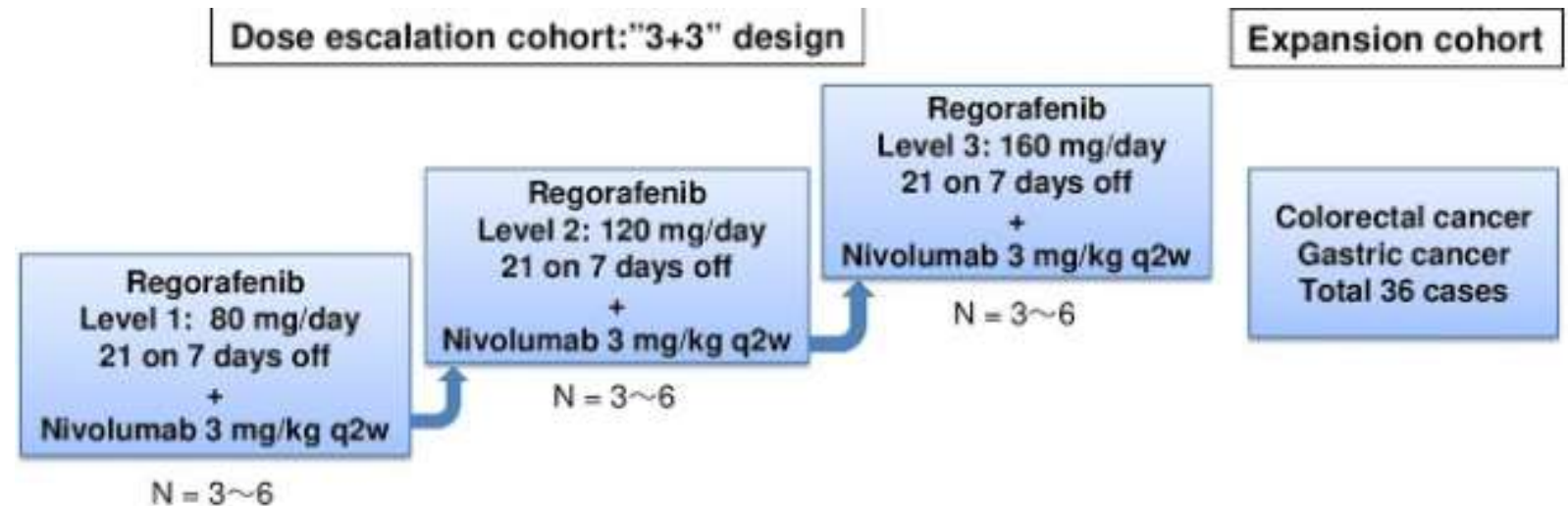
	ITT (N=40)	Modified ITT (N=27)
ORR	4 (10%)	4 (15%)
DCR	10 (25%)	10 (37%)
Discontinued due to Toxicity	4 (10%)	1 (4%)
Duration of Disease Control (Months)	2.4	2.5
Patients with CR/PR/SD	5.2	5.2
Patients without CR/PR/SD	2.0	2.4
Overall Survival (median in Months)	7.6	13.3
Patients with CR/PR/SD	15.8	15.8
Patients without CR/PR/SD	4.8	8.9

*16 patients alive with median follow-up of 6.9 months (range 3.0-18.0)

**Discontinuation prior to xRT: toxicity (3), progression (5), poor PS (4), withdrawn consent (1)

#2522 REGONIVO trial: design

- Immune suppressive cells such as regulatory T cells (Tregs) or tumor-associated macrophages (TAMs) may induce resistance to anti-PD-1/PD-L1 inhibitors.
- Regorafenib, a potent inhibitor of angiogenic and oncogenic kinases, reduced TAMs in murine models¹.
- The combination of regorafenib plus anti-PD1 monoclonal antibody (mAb) exhibited superior efficacy compared to each alone in murine models¹.



Primary objective: dose-limiting toxicity (DLT) during cycle one to investigate the maximum tolerated dose (MTD) and recommended dose (RD)

Secondary objective: objective response rate (ORR), progression-free survival (PFS), overall survival (OS), disease control rate (DCR)

#2522 REGONIVO trial

Table 2. DLTs and MTD determination

Dose Schedule	Patients Enrolled	Number of Patients with DLTs	DLTs
Regorafenib 80 mg/day + Nivolumab 3 mg/kg	4*	0	None
Regorafenib 120 mg/day + Nivolumab 3 mg/kg	7*	0	None
Regorafenib 160 mg/day + Nivolumab 3 mg/kg	3	3	Grade 3 Rash, N = 1 Grade 3 Proteinuria, N = 1 Grade 3 Colonic perforation**, N = 1

•RD and MTD of regorafenib were determined as 120 mg

•Dose of regorafenib was decreased to 80 mg due to frequent grade 3 skin toxicities in expansion cohort (20% in 120 mg and 0% in 80 mg)

* One patient was excluded from DLT evaluation

Table 3. Treatment-Related AE (≥ 10%)

Adverse event, N (%)	All N = 50		Regorafenib 80 mg N = 22		Regorafenib 120 mg N = 25		Regorafenib 160 mg N = 3	
	All grades	Grade ≥3	All grades	Grade ≥3	All grades	Grade ≥3	All grades	Grade ≥3
All events	50(100)	20(40)	22(100)	6(27)	25(100)	11(44)	3(100)	3(100)
Palmar-plantar erythrodysesthesia	35(70)	5(10)	13(59)	0(0)	20(80)	5(20)	2(67)	0(0)
Hypertension	24(48)	2(4)	10(46)	2(9)	14(56)	0(0)	0(0)	0(0)
Fatigue	23(46)	0(0)	10(46)	0(0)	12(48)	0(0)	1(33)	0(0)
Rash	21(42)	6(12)	8(36)	0(0)	11(44)	5(20)	2(66)	1(33)
Fever	20(40)	0(0)	8(36)	0(0)	11(44)	0(0)	1(33)	0(0)
Proteinuria	15(30)	6(12)	5(23)	2(9)	8(32)	3(12)	2(67)	1(33)
Liver dysfunction	14(28)	3(6)	5(23)	2(9)	8(32)	1(4)	1(33)	0(0)
Oral mucositis	11(22)	0(0)	3(14)	0(0)	6(24)	0(0)	2(67)	0(0)
Diarrhea	11(22)	1(2)	5(23)	0(0)	4(16)	1(4)	2(67)	0(0)
Decreased appetite	11(22)	0(0)	6(27)	0(0)	5(20)	0(0)	0(0)	0(0)
Hyperthyroidism	6(12)	0(0)	4(18)	0(0)	2(8)	0(0)	0(0)	0(0)
Hypothyroidism	6(12)	0(0)	4(18)	0(0)	2(8)	0(0)	0(0)	0(0)
Hoarseness	5(10)	0(0)	4(18)	0(0)	1(4)	0(0)	0(0)	0(0)
Platelet count decreased	5(10)	1(2)	0(0)	0(0)	4(16)	1(4)	1(33)	0(0)

One treatment-related death was observed due to diabetic ketoacidosis

CRC:
mPFS 6.3 mo

Figure 2. Waterfall plot of best tumor shrinkage

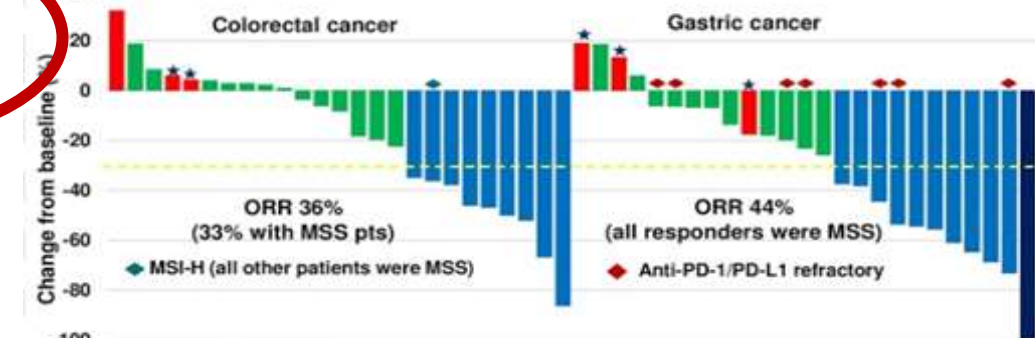
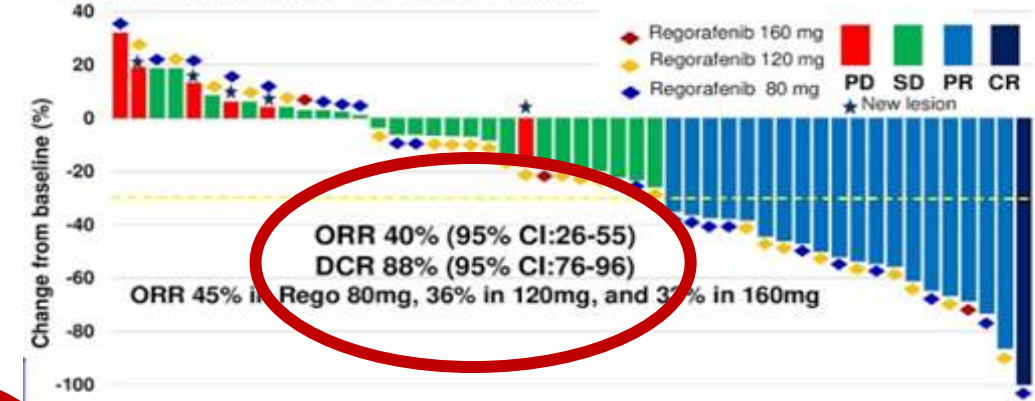
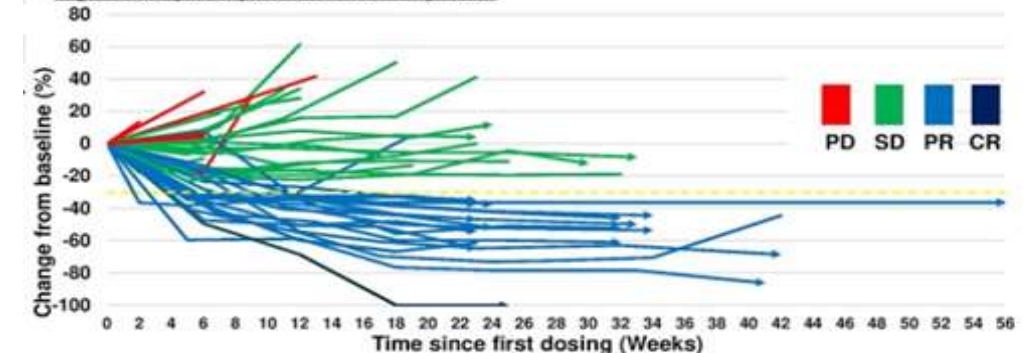
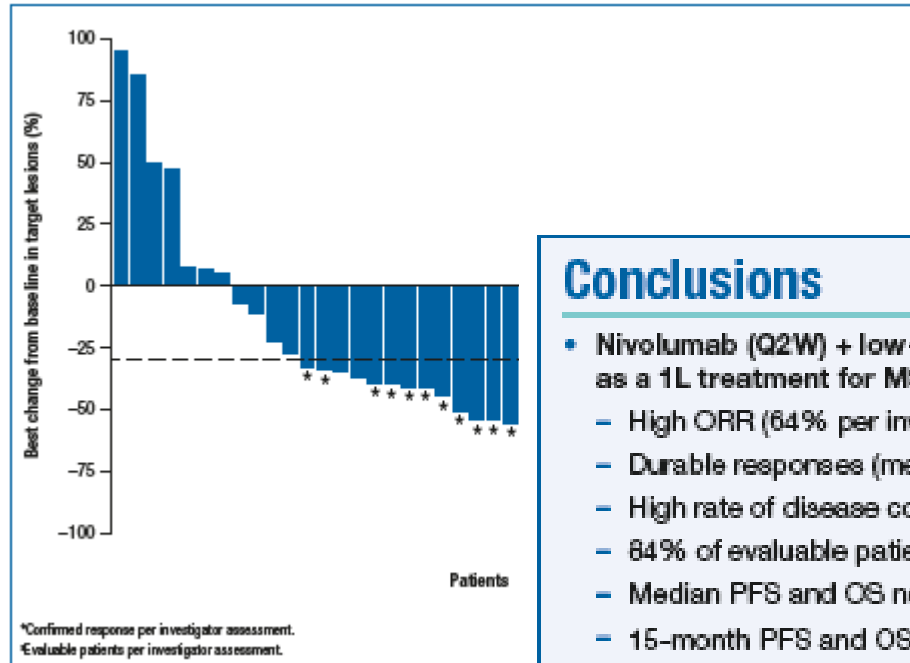


Figure 3. Spider plot of tumor response



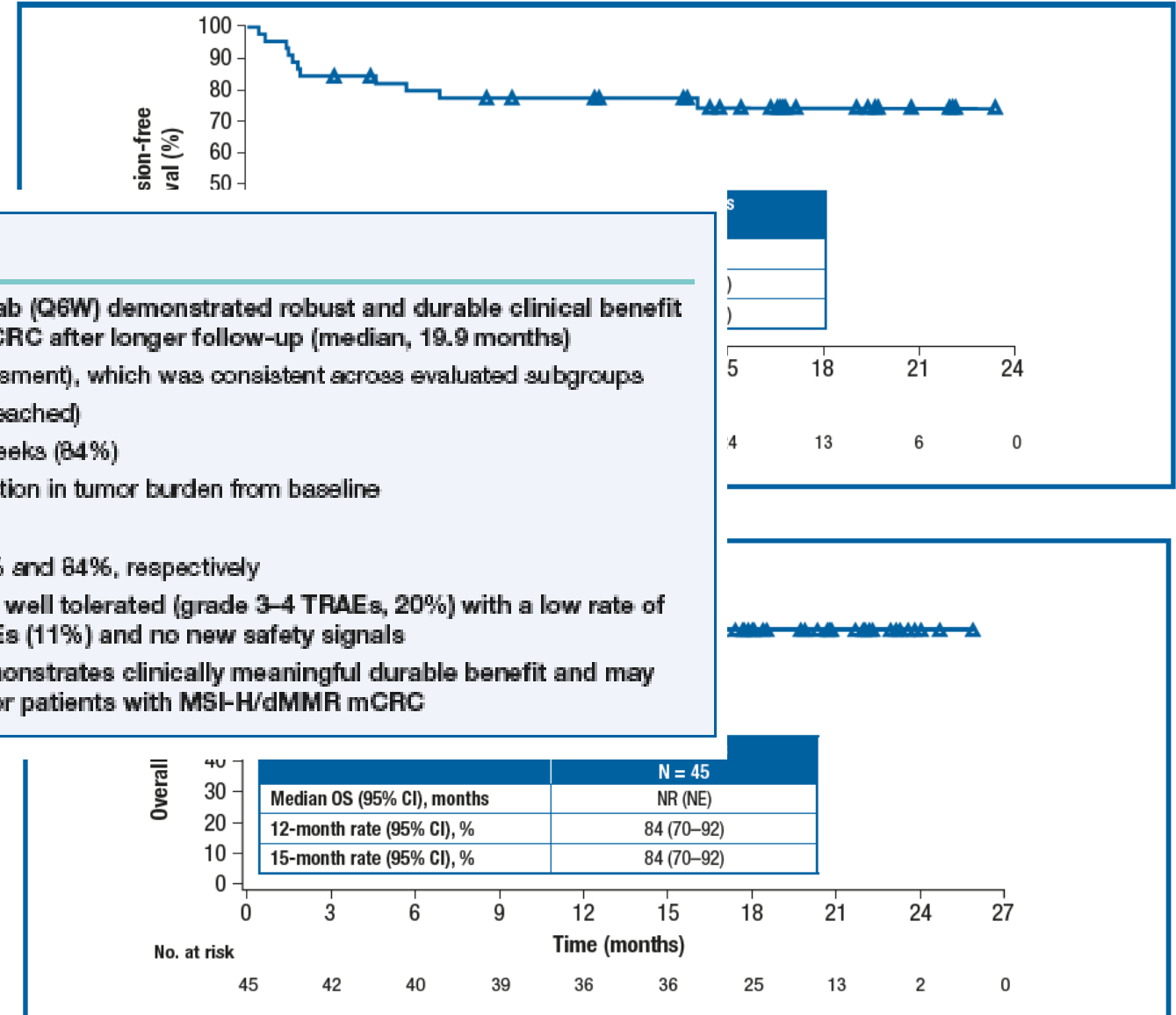
#3521 CHECKMATE 142: update

Figure 2. Best change from baseline in target lesions^a



ORR 60%

Figure 4. Progression-free survival^a



Conclusions

- Nivolumab (Q2W) + low-dose ipilimumab (Q6W) demonstrated robust and durable clinical benefit as a 1L treatment for MSI-H/dMMR mCRC after longer follow-up (median, 19.9 months)
 - High ORR (64% per investigator assessment), which was consistent across evaluated subgroups
 - Durable responses (median DOR not reached)
 - High rate of disease control for ≥ 12 weeks (84%)
 - 84% of evaluable patients had a reduction in tumor burden from baseline
 - Median PFS and OS not reached
 - 15-month PFS and OS rates were 75% and 84%, respectively
- Nivolumab + low-dose ipilimumab was well tolerated (grade 3-4 TRAEs, 20%) with a low rate of discontinuation due to any grade TRAEs (11%) and no new safety signals
- Nivolumab + low-dose ipilimumab demonstrates clinically meaningful durable benefit and may represent a new 1L treatment option for patients with MSI-H/dMMR mCRC

Agenda

- Early-stage disease
- Hitting targets
- Immunotherapy
- Special Populations
 - #3534; #3536; #3541

#3534 Pooled TRIBE and TRIBE2: impact of gender



- ✓ Overall, women had a significantly higher risk of CT-related AEs, in particular gastrointestinal and hematologic AEs, asthenia and alopecia, independently of the treatment arm. No differences were shown in terms of bev-related AEs.

				Univariate		Multivariate	
Adverse events, % patients	Grade	Males	Females	OR	p	OR	p
Nausea							
	All	54	65	1.57	<0.01	1.55	<0.01
	≥ 3	3	6	2.08	0.01	1.98	0.02
Vomiting							
	All	29	41	1.73	<0.01	1.72	<0.01
	≥ 3	1	5	4.18	<0.01	4.07	<0.01
Diarrhea							
	All	61	65	1.16	0.24	/	/
	≥ 3	12	15	1.34	0.09	/	/
Asthenia							
	All	60	66	1.30	0.03	1.31	0.03
	≥ 3	8	12	1.62	0.02	1.65	0.01
Alopecia							
	All	10	14	1.55	0.02	1.56	0.02
Anemia							
	All	49	57	1.33	0.02	1.31	0.03
	≥ 3	1	3	2.62	0.04	2.55	0.05
Neutropenia							
	All	54	69	1.86	<0.01	1.90	<0.01
	≥ 3	30	44	1.86	<0.01	1.90	<0.01
Febrile Neutropenia							
	All	5	8	1.60	0.06	/	/

- ✓ The risk of severe CT-related and bev-related AEs was increased with FOLFOXIRI/bev vs doublets/bev independently of gender.

Adverse events, % patients	Grade	Males			Females			p
		Doublet/ bev N=358 (30%)	Triplet/ bev N=326 (28%)	OR	Doublet/ bev N=232 (20%)	Triplet/ bev N=260 (22%)	OR	
CT-related AEs								
	≥ 3	31	60	3.26	47	70	2.57	0.33
Bev-related AEs								
	≥ 3	19	17	0.92	17	17	1.00	0.78

- ✓ Notably, among women treated with FOLFOXIRI/bev 50% and 68% experienced any grade of vomiting and nausea, respectively.

FOLFOXIRI/bev Safety population N=586					
Adverse events, % patients	Grade	Males N= 326 (56%)	Females N= 260 (44%)	OR	p
Vomiting					
	All	34	50	1.90	<0.01
Nausea					
	All	59	68	1.44	0.03

#3536 Pooled TRIBE and TRIBE2: impact of age

**N=1187
ITT
population**

N=1005 (85%)

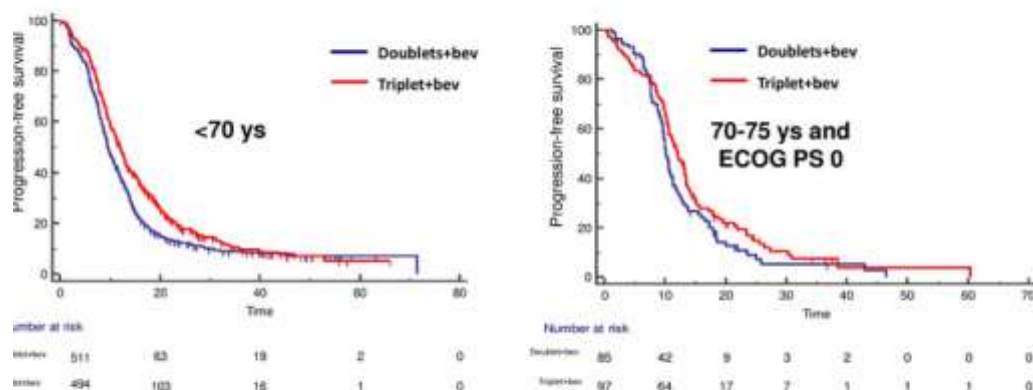
< 70 ys

N=182 (15%)

70-75 ys and ECOG PS 0

The benefit provided by the intensification of the upfront chemotherapy was independent of the age subgroup in terms of both ORR and PFS.

<70 ys			70-75 ys and ECOG PS 0		p for interaction
	Doublents + bev N=511	Triplet + bev N=494	Doublents + bev N=85	Triplet + bev N=97	
ORR	52.8%	63.6%	47.0%	61.9%	0.554
OR 95% CI	1.53 [1.19-1.97]		1.75 [0.97-3.15]		
PFS, median	9.6	12.1	10.1	12.0	0.520
HR 95% CI	0.75 [0.66-0.86]		0.82 [0.60-1.11]		



The risk of overall and chemo-related G3/4 AEs was increased with the triplet independently of age, while no difference in bevacizumab-related AEs was observed in both subgroups.

In the overall population, as compared to younger pts, those aged 70-75 were more susceptible to overall G3/4 AEs.

AE Grade %	<70 ys	70-75 ys and ECOG PS 0	OR IC 95%	p
Overall toxicity	60%	73%	2.04	0.0001
Chemo-related toxicity	52%	68%	2.04	0.0001
Bev-related toxicity	17%	21%	1.25	0.267

In the FOLFOXIRI/bevacizumab subgroup a higher incidence of G3/4 diarrhea and febrile neutropenia and a lower incidence of all grade nausea and vomit were reported among elderly pts.

	<70 ys N= 490 (84%)	70-75 ys and ECOG PS 0 N= 96 (16%)	OR IC 95%	p
FOLFOXIRI/BEV subgroup AEs				
Diarrhea				
All grades	358 (73%)	69 (72%)	0.94	0.810
Grade 3-4	81 (17%)	26 (27%)	1.88	0.016
Febrile Neutropenia				
All grades	31 (6%)	15 (16%)	2.74	0.001
Nausea				
All grades	319 (65%)	50 (51%)	0.58	0.017
Vomiting				
All grades	215 (44%)	25 (26%)	0.45	0.001

#3541 FIRE-3: effect of patient age

≤ 65 years	N	ORR (%)	p	PFS (months)	p (HR)	OS (months)	P (HR)
FOLFIRI + Cet	104	75.6	0.08	11.2	0.42 1.10	33.1	0.01 0.68
FOLFIRI + Bev	105	63.0		10.2		24.8	
≤ 70 years	N	ORR (%)	P	PFS (months)	P (HR)	OS (months)	P (HR)
FOLFIRI + Cet	136	79.1	0.02	10.7	0.52 1.10	33.3	0.02 0.73
FOLFIRI + Bev	150	65.2		10.5		27.5	
> 70 years	N	ORR (%)	p	PFS (months)	p (HR)	OS (months)	P (HR)
FOLFIRI + Cet	63	72.7	0.28	8.8	0.90	23.6	0.25
FOLFIRI + Bev	51	61.9		10.4	0.98	23.8	0.67

Take home messages

- Immunoscore confirms to be a prognostic factor
- Tumor deposits should be considered and implemented in nodes count → potentially practice changing
- ctDNA is a strong predictor of minimal residual disease
- 2 new drugs in evaluation for mCRC
- TMB new biomarker?
- Regorafenib+nivolumab demonstrated impressive results
- Careful evaluation of toxicities for females and older patients is needed

