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HIT HERSELASSICIALS INFINITION

Duration of Immunotherapy in GI cancer: ISA January 2024

Prof Eric Van Cutsem, MD, PhD Digestive Oncology Leuven, Belgium

Eric.VanCutsem@kuleuven.be



Herestraat 49 B - 3000 Leuven www.uzleuven.be tel. +32 16 33 22 11 UNIVERSITY HOSPITALS LEUVEN



Disclosure information



Participation to advisory boards/consulting of Abbvie, Agenus, ALX, Amgen, Arcus Biosciences, Astellas, Astrazeneca, Bayer, Beigene, Biontech, Boehringer Ingelheim, Bristol-Myers- Squibb, Daiichi, Debiopharma, Elmedix, Eisai, GSK, Hookipa Biotech, Incyte, Ipsen, Lilly, Merck Sharp & Dohme, Merck KGaA, Mirati, Novartis, Nordic, Pierre Fabre, Pfizer, Roche, Seattle Genetics, Servier, Simcere, Takeda, Taiho, Terumo





Checkpoint inhibition (PD(L)-1) in GI Cancer approved indications



- MSI-H metastatic CRC: first line PD1-AB and pretreated: PD1-AB +CTLA4-AB MSI-H gastric cancer, small intestine cancer, biliary tract cancer: PD1-AB
- □ Metastatic gastric adenocarcinoma:
 - ✓ PD1-AB + chemotherapy in PD-L1 positive tumors
- □ Metastatic oesophageal cancer:
 - ✓ Squamous cell cancer:
 - Second line: PD1-AB
 - First line: PD1-AB + chemotherapy or PD1-AB+ CTLA4-AB in PD-L1 positive tumors
 - ✓ Adenocarcinoma: PD1-AB + chemotherapy in PD-L1 positive tumors
- Metastatic bile duct cancer
 - ✓ PD(L)1-AB + chemotherapy
- Advanced hepatocellular carcinoma
 - ✓ PD(L)1-AB monotherapy or combo with CTLA4-AB or bevacizumab
- Adjuvant treatment of oesophageal cancer:
 - Nivolumab for 1 year

AB, antibody; CRC, colorectal cancer; CTLA4, cytotoxic T lymphocyte antigen 4; GI, gastrointestinal; MSI-H, microsatellite instability-high; PD-(L)1, programmed death-(ligand) 1





Duration in metastatic GI Cancer

□ Most trials:

✓ max. 2 years

or

✓ until progression/toxicity

□ Challenges:

- ✓ What about rechallenge after interruption for toxicity?
- ✓ What about rechallenge when progression after CPI-interruption after initial CR/PR? Which interval? Same treatment?
- ✓ How long to treat if complete response is reached?

CPI, checkpoint inhibitor; CR, complete response; GI, gastrointestinal; PD-(L)1, programmed death-(ligand) 1; PR, partial response.



CheckMate 577 study design in resectable oesophageal and GEJ cancer



CheckMate 577 is a global, phase 3, randomized, double-blind, placebo-controlled trial^a

Key eligibility criteria

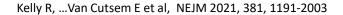
- Stage II/III EC/GEJC
- Adenocarcinoma or squamous cell carcinoma
- Neoadjuvant CRT + surgical resection (R0,^b performed within 4-16 weeks prior to randomization)
- Residual pathologic disease
 ≥ ypT1 or ≥ ypN1
- ECOG PS 0-1

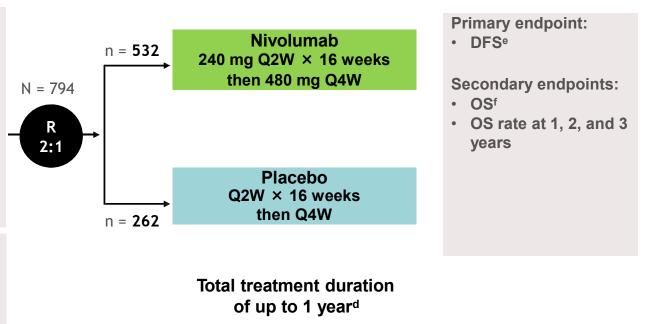
Stratification factors

- Histology (squamous vs adenocarcinoma)
- Pathologic lymph node status (≥ ypN1 vs ypN0)
- Tumor cell PD-L1 expression (≥ 1% vs < 1%^c)
- Median follow-up was 24.4 months (range, 6.2-44.9)9
- Geographical regions: Europe (38%), US and Canada (32%), Asia (13%), rest of the world (16%)

^aClinicalTrials.gov number, NCT02743494; ^bPatients must have been surgically rendered free of disease with negative margins on resected specimens defined as no vital tumor present within 1 mm of the proximal, distal, or circumferential resection margins; ^c< 1% includes indeterminate/nonevaluable tumor cell PD-L1 expression; ^dUntil disease recurrence, unacceptable toxicity, or withdrawal of consent; ^eAssessed by investigator, the study required at least 440 DFS events to achieve 91% power to detect an average HR of 0.72 at a 2-sided α of 0.05, accounting for a prespecified interim analysis; ^fThe study will continue as planned to allow for future analysis of OS; ^gTime from randomization date to clinical data cutoff (May 12, 2020).

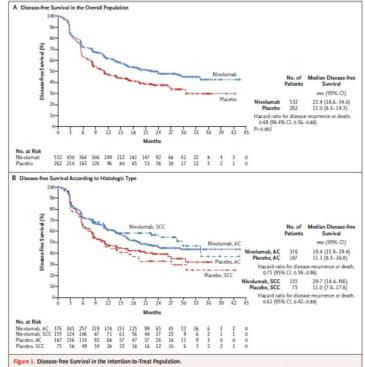
CRT, chemoradiotherapy; DFS, disease-free survival; EC, oesophageal cancer; ECOG PS, Eastern Cooperative Oncology Group performance status; GEJ, gastroesophageal junction; GEJC, GEJ cancer; HR, hazard ratio; OS, overall survival; PD-L1, programmed death-ligand 1; QW, every X weeks.





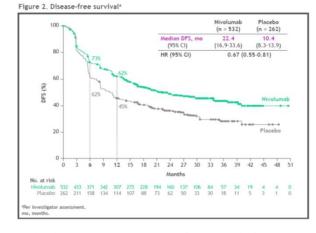
W UZ Adjuvant nivolumab after CRT + surgery for oesophageal & GEJ cancer: update of CheckMate 577





Kaplan-Meier estimates of disease-free survival in the overall population (Panel A) and according to histologic type (Panel B) are shown. At 6 months, 72% (95% confidence interval [CI], 68 to 76) of the patients in the nivolumab group and 63% (95% CI, 57 to 69) of those i the placebo group were alive without disease recurrence. AC denotes adenocarcinoma, NE could not be estimated, and SCC squarnous cell carcinoma.

Kelly R, ... Van Cutsem E et al, NEJM 2021, 381, 1191-2003



· DFS benefit was observed with nivolumab versus placebo across multiple subgroups (Figure 3)

 Compared with earlier results,* there was a numerical reduction in HR for multiple subgroups, including GEJC (HR, 0.80 [95% CI, 0.59-1.08] from 0.87 [95% CI, 0.63-1.21]) and adenocarcinoma (HR, 0.73 [95% CI, 0.58-0.91] from 0.75 [95% CI, 0.59-0.96])

Figure 4. Distant metastasis-free survival*

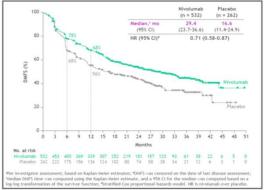


Figure 3. Disease-free survival subgroup analysis

npilluonb	Nivolumeb	Placebo	Unstratified HR	Unstratified HR (95% CI)
tverall (N = 794)	22.4	10.4	0.68	
ge, years				
< 65 (n = 507)	25.1	9.3	0.63	
2 65 (n = 287)	19.4	13.9	0.79	
ex				
Male (n = 671)	21.3	10.3	0.70	
Female (n = 123)	29.3	11.0	0.62	
ace				
White (n = 648)	21.3	10.8	0.69	
Asian (n = 117)	29.7	9.7	0.71	
COG PS				
0 (n = 464)	26.6	11.1	0.71	
1 (n = 330)	18.5	9.3	0.64	
umor location at initial diagnosis				
Esophagus (n = 465)	23.4	8.3	0.61	
Gastroesophageal junction (n = 329)	21.4	16.8	0.80	
listologic type				
Adenocarcinoma (n = 563)	19.6	10.4	0.73	
Squamous cell carcinoma (n = 230)	29.7	10.6	0.60	
umor cell PD-L1 expression*				
a 1% (n = 129)	28.3	10.2	0.68	
< 1% (n = 567)	20.8	11.0	0.70	
Indeterminate/nonevaluable (n = 98)	26.6	9.9	0.64	
D-L1 CPS+>				
2 5 (n = 371)	29.3	8.5	0.60	
< 5 (n = 295)	15.3	11.1	0.85	
Indeterminate/nonevaluable/NR (n = 128)	26.6	10.8	0.64	
athologic lymph node status				
ypH0 (n = 337)	Not reached		0.71	
z ypH1 (n = 457)	14.8	7.6	0.65	
athological tumor status"				1.250
ypT0* (n = 45)	34.0	5.2	0.40 -	
ypT1 or ypT2 (n = 311)	29.3	9.2	0.59	
ypT3 or ypT4 (n = 436)	18.5	11.5	0.80	
Ime from complete resection to randomi				
< 10 weeks (n = 256)	24.0	12.7	0.85	
2 10 weeks (n = 538)	21.3	9.3	0.63	
			0.2	5 0.5 1
				Nivokanab -> Placel
				better bette

NR, not reported.

Moehler M, ... Van Cutsem E et al, Ann Oncol, ESMO 2021 poster presentation

CRT, chemoradiotherapy; GEJ, gastroesophageal junction.

UZOngoing phase 3 trials on CPI asperioperative therapy in esophagogastric cancer



Trial	N	Key eligibility criteria	Treatment: ~ 1 YEAR CPI	Primary endpoint
DANTE/FLOT8 ¹ Phase 2/3 NCT03421288	295/556	≥T2 or N+ gastric and GEJ cancer, (phase3, PD-L1 >1)	Perioperative FLOT +/- atezolizumab	Phase 2: pCR/ pTNM Phase 3: EFS
KEYNOTE 585 ² Phase 3 NCT03221426	1007	>T3 or N+ gastric and GEJ cancer	Perioperative FP/XP (or FLOT) +/- pembrolizumab	pCR, EFS, OS roved, EFS not
MATTERHORN ³ Phase 3 D910GC00001	900	T3–4 or N+ gastric and GEJ cancer	Perioperative FLOT +/- durvalumab	EFS pCR improved

CPI, check-point inhibitor, EFS, event-free survival; FLOT, fluorouracil plus leucovorin, oxaliplatin, and docetaxel; FP, fluorouracil and cisplatin; GEJ, gastroesophageal junction; N, node; OS, overall survival; pCR, pathologic complete response; PFS, progression-free survival; pTNM, postoperative TNM stage; T, tumor; TNM, tumor node metastases; XP, capecitabine and cisplatin.

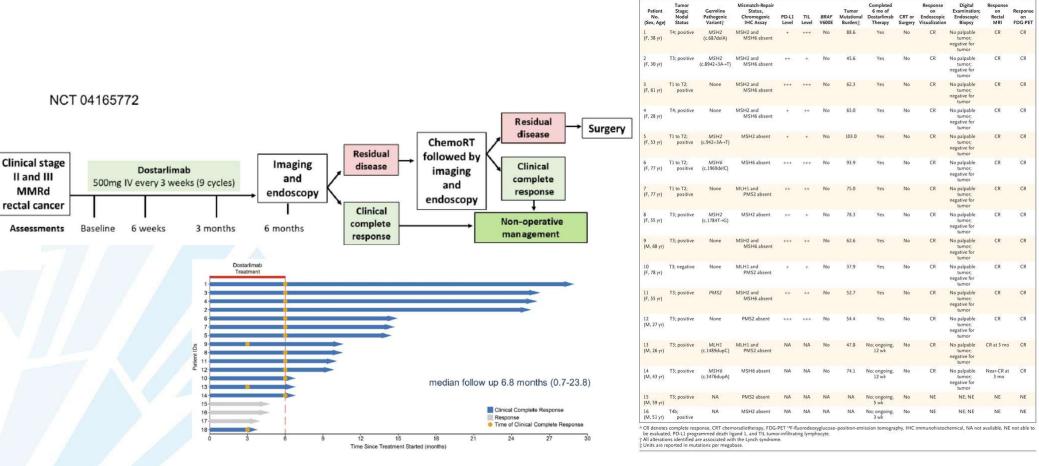
1. Lorenzen S et al, J Clin Onc 2023. 2. Shitara K... Van Cutsem E et al, Lancet Oncol 2023. 3. Janjigian Y.... Van Cutsem E et al, Ann Oncol – ESMO 2023



PD1-blockage in mismatch repair-deficient locally advanced rectal cancer

Table 2. Individual Patient Data.





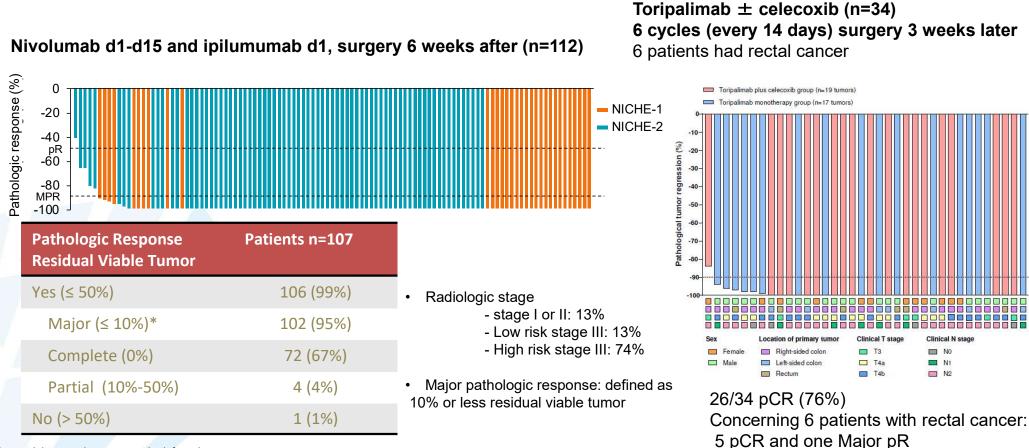
PD1, programmed death 1.

Cercek A et al, New Eng J Med 2022

UZ PDL-1/PD-1 ± CTLA4 blockage in localized MSI-H/dMMR colon cancer



Anti-PD1 \pm Anti-CTLA4: Pathological Complete Response (pCR) [>] 60% in 2 phases II



Cross trial comparisons cannot be inferred.

CTLA4, cytotoxic T lymphocyte antigen 4; d, day; dMMR, deficient mismatch repair; MPR, major pathological response; MSI-H, microsatellite instability-high; pCR, pathological complete response; PD-(L)1, programmed death-(ligand) 1; pR, pathological response.

Chalabi M et al, Nature Med 2020; Chalabi M et al, ESMO 2022 abstr LBA7; Hu et al, Lancet Gastro&Hep 2021

UZ Studies in MSI-H Local Rectal Cancer in Progress or Coming soon



Type of phase 2 (number of pts planned)	Primary	Name	Coordinator Group and Country	Drug	Schedule before surgery or Watch and Wait strategy	Primary end-point
Mono-arm n=32 NCT05197322 In progress	Colon & rectum	NEOPRISM-CRC	Shiu KK, UCL, UK	Pembrolizumab	1 to 3 cycles depending & stratified to TMB before surgery	Pathological complete response rate
Mono-arm n =120 NCT04795661 In progress ¹	All GI including rectum	ΙΜΗΟΤΕΡ	de la Fouchardière C UNICANCER, France	Pembrolizumab	1 or 2 cycle before surgery	Pathological complete response rate
Mono-arm n =150 NCT05723562 In progress	Rectum	AZUR	Cercek A GSK study, Word	Dostarlimab	8 cycles and W&W with salvage surgery vs surgery	Sustained complete clinical response (cCR 12 at 12 months)
Phase 1 ² NCT04636008 In progress	Rectum	?	Li X China	Sintilimab	Sintulimab 3 injections/15 d and RT (5x5 Gy)	Pathological complete response rate (surgery at 6 weeks of last injection)
Randomized non comparative n=64 upcoming	Rectum	PREDIR	Karoui M FFCD, France	Dostrlimab	6 months of dostarlimab vs RT (5x5 Gy) then 6 months of dostarlimab	residual or metastatic disease at 24 months with or without surgery

Slide courtesy T André

cCR, complete clinical response; d, day; GI, gastrointestinal; RT, radiotherapy; TMB, tumor mutational burden; W&W, watch & wait.

1 de la Fouchardière C, ASCO 2023; 2 Li X et al, Cancer Medecine 2023





- Optimal duration is not known in adjuvant treatment of upper oesophagogastric cancer: often 1 year Same duration in neo-adjuvant or peri-operative treatment?
- Duration in ongoing adjuvant trials in MSI-H/dMMR colon cancer: 1 year also extrapolation of other cancers
 - \checkmark Is this the best?
- Optimal duration in neo-adjuvant treatment of MSI-H/dMMR colon cancer, rectal cancer or upper GI cancer?
- □ What about rechallenge with CT + CPI after relapse on adjuvant CPI?

CPI, check-point inhibitor; CT, chemotherapy; dMMR, deficient mismatch repair; GI, gastrointestinal; MSI-H, microsatellite instability; PD-(L), programmed death-(ligand).



Annual Congress

MUNICH GERMANY 26-29 JUNE 2024

The **ESMO Gastrointestinal Cancers Congress 2024** will be the place to present impactful new data in GI oncology, combined with a high quality educational programme and excellent networking opportunities.





Chairs: Eric Van Cutsem, Michel Ducreux, Teresa Macarulla

Enjoy your break

18.05-18.20	BREAK				
18.25	18.25 ⇒ 19.05 PLENARY 2 Novel concepts in cancer Immunotherapy B ROUTY T KERRE S RAUH (Mod)				
19.10		19.10=>19.50 Patient education: Examples from academics centers T KERRE S STREEL M VANDEVELDE J VANSTEENKISTE (Mod)	19.10=>19.50 CAR T vs Bispecifics : Toxicity and sequencing P VANDENBERGHE J CAERS R SCHOTS (Mod)	19.10=>19.50 Drug Interference during Immunotherapy M ILZKOVITZ B ROUTY A AWADA (Mod)	
19.50	19.50 ⇒ 20.05 CLOSING P LACANTE & P COULIE				
20.00 - 22.00	WALKING DINNER				

