General Poster Session (Board #14H), Sat, 8:00 AM-12:00 PM 3576

Efficacy of chemotherapy plus cetuximab according to metastatic site in KRAS wild-type metastatic colorectal cancer (mCRC): Analysis of CRYSTAL and OPUS studies. Presenting Author: C. Kohne, Onkologie Klinikum Oldenburg, Oldenburg, Germany

Background: In the CRYSTAL and OPUS studies, adding cetuximab to first-line chemotherapy (CT) improved clinical benefit in patients (pts) with KRAS wild-type (wt) mCRC. RO resection of colorectal liver metastases is a potentially curative option in this setting. In a descriptive analysis of these trials the benefit of treatment according to metastatic site (liver-limited disease [LLD] and non-LLD) was investigated. Methods: Treatment arms were compared according to metastatic site for response rates (RR), RO resection rates (ROR), progression-free (PFS) and overall survival (OS) times. Results: In CRYSTAL, RO resection was significantly enhanced with CT + cetuximab vs CT alone (5.1 vs 2.0%, odds ratio 2.65, p=0.027). The proportion of pts with LLD was comparable in each study and treatment arm (21-30%). In both LLD and non-LLD pts, adding cetuximab to CT improved outcome across efficacy endpoints (Table). The highest RORs were seen in pts with LLD in the CT + cetuximab groups of both studies, with 2.3-fold (CRYSTAL) and 3.7-fold (OPUS) increases in rates vs CT alone. PFS was significantly higher in the CT + cetuximab arm in LLD pts in CRYSTAL (p=0.035) and in non-LLD pts in CRYSTAL (p=0.012) and OPUS (p=0.023). In non-LLD pts, adding cetuximab to CT significantly increased OS in CRYSTAL (p=0.013), prolonging median OS by 5.1 months, and prolonged OS by 3.4 months in OPUS. Conclusions: Adding cetuximab to first-line CT improved clinical outcome in mCRC pts with both LLD and non-LLD. In pts with non-LLD treated with FOLFIRI + cetuximab, the OS benefit exceeded 5 months.

Efficacy according to treatment arm for patients with KRAS wt tumors grouped

by metastatic	All patients		LLD		Non-LLD	
			CT CT + cetuximab	CT CT + cetuximab		
CRYSTAL, n RR, % ROR, % Median PFS Median OS OPUS, n RR, % ROR, %	350 39.7 2.0 8.4 20.0 97 34.0 3.1	9.9 23.5 82 57.3 7.3	72 44.4 5.6 9.2 27.7 23 39.1 4.3	68 70.6 13.2 11.8 27.8 25 76.0 16.0	278 38.5 1.1 8.1 17.4 74 32.4 2.7 6.0	248 53.6 2.8 9.5 22.5 57 49.1
Median* PFS Median* OS	7.2 18.5		7.9 23.9		16.4	

<sup>\*</sup> Medians are in months.

## General Poster Session (Board #15B), Sat, 8:00 AM-12:00 PM 3578

Phase II trial of chemotherapy with high-dose FOLFIRI plus bevacizumab in the front-line treatment of patients with metastatic colorectal cancer (mCRC) and genotype UGT1A1\*1/UGT1A1\*1 or UGT1A1\*1/UGT1A1\*28 (FFCD 0504 trial): Final results. Presenting Author: E. Mitry, Institut Curie, St. Cloud, France

Background: The combination of high-dose irinotecan (260mg/m²) with LV5FU2 (FOLFIRI HD regimen) is feasible with an acceptable safety profile and promising efficacy data (Ducreux et al. Oncology 2008;74:17-24). The aim of this phase II study was to evaluate the combination of FOLFIRI HD plus bevacizumab (B) in patients (pts) selected on the UGT1A1 polymorphism, which could be predictive of the irinotecan toxicity and efficacy.

Methods: Pts with UGT1A1 \*1/\*1 (group 1) or \*1/\*28 (group 2) genotypes
and previously untreated mCRC were treated with bevacizumab 5 mg/kg D1, irinotecan 260 mg/m<sup>2</sup> D1, LV 400 mg/m<sup>2</sup> D1, 5FU 400 mg/m<sup>2</sup> IV bolus D1 and 5FU 2400 mg/m<sup>2</sup> 46h infusion D1-2 every 2 weeks. Using Bryant & Day design with objective response rate (ORR) (independent review, HO ≤ 40%; H1 ≥ 60%) and toxicity (gr 4 neutropenia or febrile neutropenia or gr 3-4 diarrhea;  $H0 \ge 20\%$ ;  $H1 \le 5\%$ ) as primary endpoints; a total of 108 pts, 54 in each group, was required (alpha 5% and power 80%) with a planned interim analysis after the inclusion of 17 pts by group. The trial will be stopped at interim analysis if ≤ 7 pts had an OR and/or ≥ 3 pts had a severe toxicity. All analyses were performed in ITT. Results: At the time of interim analysis, done when the 17th pt of group 1 had a 6-months follow-up, 86 pts were included (group 1: 40 pts, group 2: 46 pts). Results of primary endpoints at the interim analysis are presented in the table. According to interim analysis rules, the trial was closed to inclusion for unacceptable toxicity. Conclusions: The trial was stopped after interim analysis because of unacceptable toxicity according to trial's criteria, even if toxicity was manageable and most of the patients continued the treatment after dose adaptation. Defined toxicity criteria to stop the trial at interim analysis may have been too strict and not clinically adapted. There is however no clear benefit of the FOLFIRI HD - B combination in terms of efficacy.

етпсасу.	Group 1	Group 2
	Group t	
N ORR (%)	17 52.9 41.2	58.8 18.8
Toxicity (%)		

General Poster Session (Board #15A), Sat, 8:00 AM-12:00 Pu A multicenter, multinational retrospective analysis of mitomycin C (MMC).

A multicenter, multinational retrospective analysis of mitomycin C (MMC).

in refractory metastatic colorectal cancer (mCRC). Presenting Author

Ferrarotto, Hospital Sírio Libanês, São Paulo, Brazil Background: A considerable number of mCRC patients (pts) who progression (SEU), exaliplatin, irinotes. Background: A considerable intimizer of the standard treatment with 5-fluorouracil (5FU), oxaliplatin, irinotecan an standard treatment with 5-fluorouracil (5FU), oxaliplatin, irinotecan monoclonal antibodies still have good performance and desire further than the still be still the still be still b monoclonal antibodies still have good in this situation, and despite treatment. MMC has been widely used in this situation, and despite 800 treatment. treatment. MMC has been widely used in this states in order to assess to tolerability, there is no agreement on its role. Methods: In order to assess to activity of MMC in the refractory mCRC setting, we retrospectively evaluated 109 heavily pre-treated pts who received MMC as single agent of the mCRC at three different institutions. Results: of the mCRC at three different institutions.

ated 109 heavily pre-treated his wind institutions. Results: Of the log pts, 30 (27.5%) were treated at M. D. Anderson Cancer Center (USA) st. (22%) at Install pts, 30 (27.5%) were treated at it.
(50.5%) at Hospital Sírio Libanês (Brazil) and 24 (22%) at Instituto 6 Câncer de São Paulo (Brazil). Median age was 54 years old, 57% were n and 94% were performance status ECOG 0 or 1 at diagnosis. MMC was used in second-line in 11%, third-line in 37.6% and fourth-line or beyon in 51.4% of pts. Median TTF on the regimen prior to MMC therapy was 3 months. 42% received MMC as single agent while 58% received MMC combinations, mainly with fluoropyrimidines (49%). Severe toxicity was rare (1.8%), with dose reductions in 6.4% of pts. Clinical benefit with MMC, defined as improved symptoms by clinician assessment, was 12: By response criteria, no radigraphic responses were seen. Median surviva was only 4.6 months (95% Cl of 4.1 to 5.5). Conclusions: This retrospection data represents the largest reported series of refractory mCRC patient treated with MMC. There were no patients with radiographic response a the low clinical benefit rate is not consistent with an active regimen. The median survival of 4.6 months is similar to the median survival expected for best supportive care in the refractory setting (4.5 months). This lack activity strongly suggests that mitomycin should not be used in refractor

General Poster Session (Board #15C), Sat, 8:00 AM-12:00

Bevacizumab plus capecitabine as maintenance treatment after in treatment with bevacizumab plus XELOX in previously untreated metasta colorectal cancer: Updated findings from a randomized, multicenter ph III trial. Presenting Author: S. Yalcin, Hacettepe University Hospi Ankara, Turkey

Background: Colorectal cancer is one of the most frequent malignance second to breast cancer in women and third to lung cancer and pros cancer in men. The aim of this study in first-line metastatic colore cancer (mCRC) was to achieve a better progression-free survival (PFS) less risk of toxicity by administrating bevacizumab (BEV) + capecitabin oxaliplatin (XELOX) for 6 cycles, stop oxaliplatin and go with maintena therapy (BEV + capecitabine) until progression. **Methods:** BEV (7.5 min + XELOX (capecitabine 1000 mg/m² bid d1-14 + oxaliplatin 130 min d1 q3w) were administered until progression (Arm A) or 6 cycles of BEVELOY (although by BEV). XELOX followed by BEV + capecitabine were administered until prof sion (Arm B). PFS was the primary endpoint; secondary endpoints incl overall survival (OS), objective response rate (ORR), and safety. A sale size of 118 patients (pts) was calculated to achieve 80% power to dete increase of 1.5 months in median PFS between Arm A (9.5 months) Arm B (11.0 months) with a standard deviation of 3.9 months significance level of 0.05 using a 10% drop-out rate. Results: A total of pts were randomized. No significant differences were found in demogr characteristics between the two arms. Median treatment period wa (range 0.7–13.4) and 6.8 (range 0.7–12.4) months in Arms A all respectively. Interest and the control of t respectively. Interim analysis showed no statistically significant differ in median PFS and ORR between arms (Table). Tolerability was acceptable in both arms with median PFS and ORR between arms (Table). acceptable in both arms with grade 3/4 diarrhoea in 7.7% vs. weakness in 15.2% vs. 9.4% weakness in 15.2% vs. 8.4%, hand-foot syndrome in 6.3% vs. 9.4% neuropathy in 2.8% vs. 4.6% of pts in Arms A and B, respectively. Conclusions: BEV + capecitabine as maintenance therapy following tion BEV + XELOX is noninferior to continuous BEV + XELOX progression. These interim findings suggest that maintenance theraf BEV + capecitabine is an appropriate option following induction E XELOX in pts with mCRC. Updated data will be presented.

AELOX III pts Wist theres	Arm A (n=61)	Arm B (n=61)	
Efficacy Median PFS, months ORR, %	<b>8.</b> 3 57.4	<b>9.</b> 9 69.2	