

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K
CURRENT REPORT

Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): June 27, 2011 (June 25, 2011)

REGENERON PHARMACEUTICALS, INC.
(Exact Name of Registrant as Specified in Charter)

New York
(State or other jurisdiction of
Incorporation)

000-19034
(Commission File No.)

13-3444607
(IRS Employer Identification No.)

777 Old Saw Mill River Road, Tarrytown, New York 10591-6707
(Address of principal executive offices, including zip code)

(914) 347-7000
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
-

Item 7.01 Regulation FD Disclosure.

On April 26, 2011, Regeneron Pharmaceuticals, Inc. and Sanofi announced that the Phase 3 VELOUR trial evaluating the investigational agent ZALTRAP™ (aflibercept), also known as VEGF Trap, in combination with the FOLFIRI chemotherapy regimen [folinic acid (leucovorin), 5-fluorouracil, and irinotecan] versus a regimen of FOLFIRI plus placebo met its primary endpoint of improving overall survival (OS) in the second-line treatment of metastatic colorectal cancer (mCRC). On June 25, 2011, at the ESMO World Congress on Gastrointestinal Cancer in Barcelona, Spain, data were presented related to the results of the VELOUR trial. A copy of the slides that were presented is furnished as Exhibit 99.1 to this Current Report on Form 8-K.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

99.1 Presentation entitled Intravenous (IV) Aflibercept Versus Placebo in Combination With Irinotecan/5-FU (FOLFIRI) For Second-line Treatment of Metastatic Colorectal Cancer (mCRC): Results Of A Multinational Phase III Trial.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: June 27, 2011

REGENERON PHARMACEUTICALS, INC.

By: /s/ Murray A Goldberg

Name: Murray A. Goldberg

Title: Senior Vice President, Finance and
Administration, Chief Financial Officer, Treasurer,
and Assistant Secretary

Exhibit Index

Number	Description
99.1	Presentation entitled Intravenous (IV) Aflibercept Versus Placebo in Combination With Irinotecan/5-FU (FOLFIRI) For Second-line Treatment of Metastatic Colorectal Cancer (mCRC): Results Of A Multinational Phase III Trial.

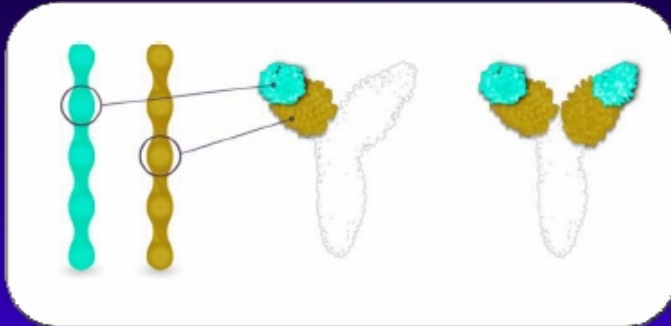
VELOUR

Intravenous (IV) Aflibercept Versus Placebo in Combination With Irinotecan/5-FU (FOLFIRI) For Second-line Treatment of Metastatic Colorectal Cancer (mCRC): Results Of A Multinational Phase III Trial (EFC10262-VELOUR).

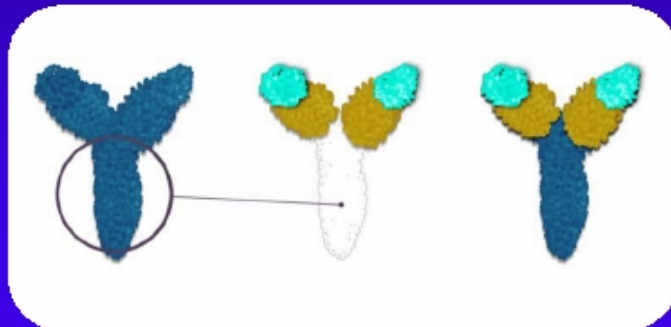
Eric Van Cutsem*, J. Tabernero,
R. Lakomy, J. Prausova, P. Ruff, G. Van Hazel, V. Moiseyenko, D. Ferry,
J. Mckendrick, A. Tellier, R. Castan, C. Allegra, on the behalf of the
VELOUR investigators

*University Hospital Gasthuisberg / Leuven / Belgium

Aflibercept



- Soluble fusion protein
- Consists of portion of extracellular domains of human VEGF receptors 1 and 2 fused to human IgG1 Fc portion



- Binds all VEGF-A isoforms, VEGF-B and PlGF
- High affinity: binds VEGF-A and PlGF more tightly than native receptors
- Half-life in humans ~17 days

Background and Study Rationale

- **In the preclinical setting, aflibercept exhibited improved activity when combined with irinotecan and with 5-FU**
 - **Objective tumor responses were observed in patients with mCRC who received aflibercept in combination with irinotecan and 5-FU/FA in the phase I TCD 6118 study**
-

Background: **Benefit of Angiogenesis Inhibitors in mCRC**

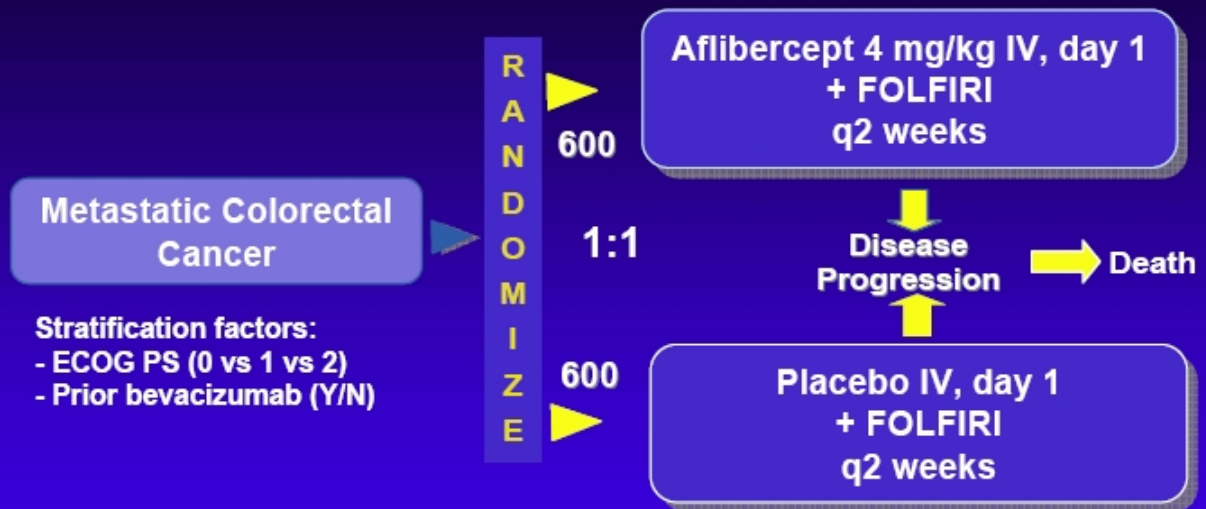
1st Line	2nd Line
IFL +/- bevacizumab ORR, PFS, OS (1)	?
FOLFOX/XELOX +/- bevacizumab PFS (3)	FOLFOX +/- bevacizumab ORR, PFS, OS (2)

(1) Hurwitz H et al. N Engl J Med 2004 (350) 2335-2342

(2) Giantonio BJ et al. ECOG E3200. J Clin Oncol 2007(25) 1539-1544

(3) Saltz LB et al. J Clin Oncol 2008 (26) 2013-2019

Study Design



DMC review every 6 months

Primary Endpoint: Overall Survival

- Demonstrate a HR of 0.8 with 90% power and a 2-sided type I error of 0.05
 - Analysis with log-rank comparison and Kaplan Meier method, stratified by
 - ECOG PS 0 vs 1 vs 2
 - Prior treatment with bevacizumab Yes vs No
 - Final analysis of OS~863 death events using a 2-sided nominal significance level of 0.0466 (α spending function)
 - Interim analysis: OS interim analysis at 65% of death events (n= 561)
-

Secondary Endpoints

- **Progression free survival and response rate:**
 - RECIST 1.0 criteria, independent third party review
 - Imaging every 6 weeks
 - Analysis using a 2-sided nominal significance level of 0.0001
 - **Safety (NCI CTC v.3.0)**
 - **PK and immunogenicity**
-

Patient Population

- **Histologically proven metastatic colorectal cancer**
 - **One prior treatment with an oxaliplatin based regimen**
 - **No prior irinotecan**
 - **Prior bevacizumab permitted**
 - **Age \geq 18 years old**
 - **ECOG PS: 0, 1, 2**
 - **Adequate organ functions**
 - **Measurable or non-measurable disease**
 - **Written informed consent**
-

Patient Disposition - Analysis Populations

N (%)	Placebo/ FOLFIRI	Aflibercept/ FOLFIRI
ITT population	614 (100)	612 (100)
Randomized not treated	5 (0.8)	5 (0.8)
Evaluable population*	530 (86.3)	531 (86.8)
Safety population	605	611

* Response rate analysis excluded patients with only non target lesion as well as those patients who did not consent to third-party review

Main Demographic Characteristics

ITT Population		Placebo N = 614	Aflibercept N = 612
Age, yrs			
Median (Range)		61.0 (19:86)	61.0 (21:82)
Age >65		38.8	33.5
Gender, %			
Male		57.5	59.6
ECOG PS*, %	0	57.0	57.0
	1	40.7	40.8
	2	2.3	2.1

*as reported per IVRS

Prior Chemotherapy

ITT Population	Placebo	Aflibercept
%	N = 614	N = 612
Chemotherapy	100	100
Adjuvant only (relapse <6 mos end adjuvant)	10.4	9.8
Adjuvant + metastatic	17.6	16.7
Metastatic only	72.0	73.5
Last Chemotherapy Prior to Randomization		
Oxaliplatin based	99.8	99.8
Oxaliplatin single agent	0.7	0.3
Oxaliplatin + fluoropyrimidine only	64.5	66.8
Oxaliplatin + fluoropyrimidine + biologic	34.9	32.7
Prior Bevacizumab	28.8	27.6

* Patients who became metastatic within 6 months of completion of adjuvant were eligible

Main Disease Characteristics

ITT Population	Placebo	Aflibercept
%	N = 614	N = 612
Primary site		
Colon	49.2	47.2
Rectosigmoid	22.1	20.1
Rectum	28.3	32.2
Other	0.3	0.5
> 1 metastatic sites	54.9	57.8
Main metastatic organs involved		
Liver (overall)	70.2	75.0
Liver only	23.8	25.0
Lung	45.1	44.3
Peritoneum	14.3	11.1

Other Baseline Characteristics

ITT Population %	Placebo N = 614		Aflibercept N = 612	
	All grades	Grade 3-4	All grades	Grade 3-4
Anemia	47.6	0	44.2	0
Elevated alkaline phosphatase	54.0	0.8	52.5	1.0
Hypoalbuminemia	15.6	0.2	15.0	0
	> ULN		> ULN	
Elevated LDH	55.2		53.6	

Discontinuation of Study Treatment

ITT Population	Placebo	Aflibercept
%	N = 614	N = 612
Discontinued study treatment	97.4	96.9
Disease progression	71.2	49.8
Adverse event	12.1	26.6
Patient request	7.0	12.6
Investigator decision	3.4	3.3
Metastatic surgery	1.6	2.0
Other causes*	2.1	2.6
Study treatment ongoing	1.8	2.3

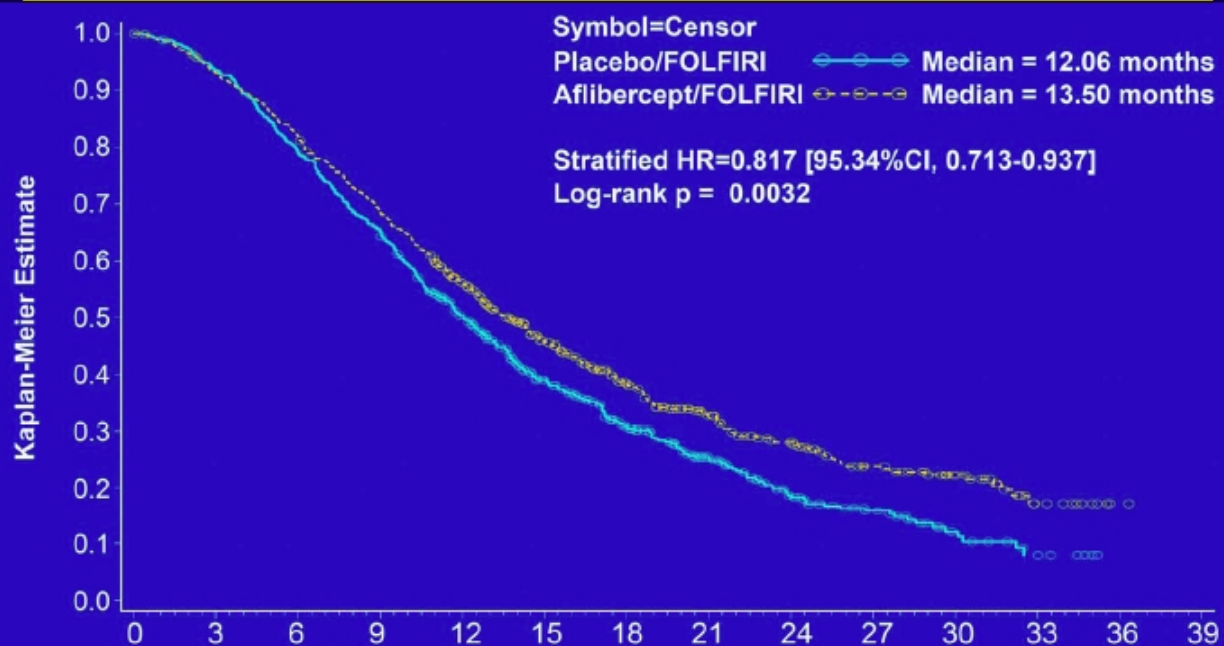
*Other causes include consent withdrawal, lost to FU, poor compliance and other not classified reasons

Treatment Exposure

Safety Population	Placebo N = 605	Aflibercept N = 611
Total number of cycles	6127	6362
Median (range)	8.0 (1 : 67)	9.0 (1: 50)
Aflibercept or placebo infusions		
Total number	6035	5632
Median (range)	8 (1 : 67)	7 (1 : 35)
Relative dose intensity (%)	92	83
Patients with at least 1 dose modification (%) *	4.8	16.7
Patients with at least 1 dose modification (%) *		
Irinotecan	22.6	37.2
5-FU	21.7	39.1

* dose reduction or dosing omission

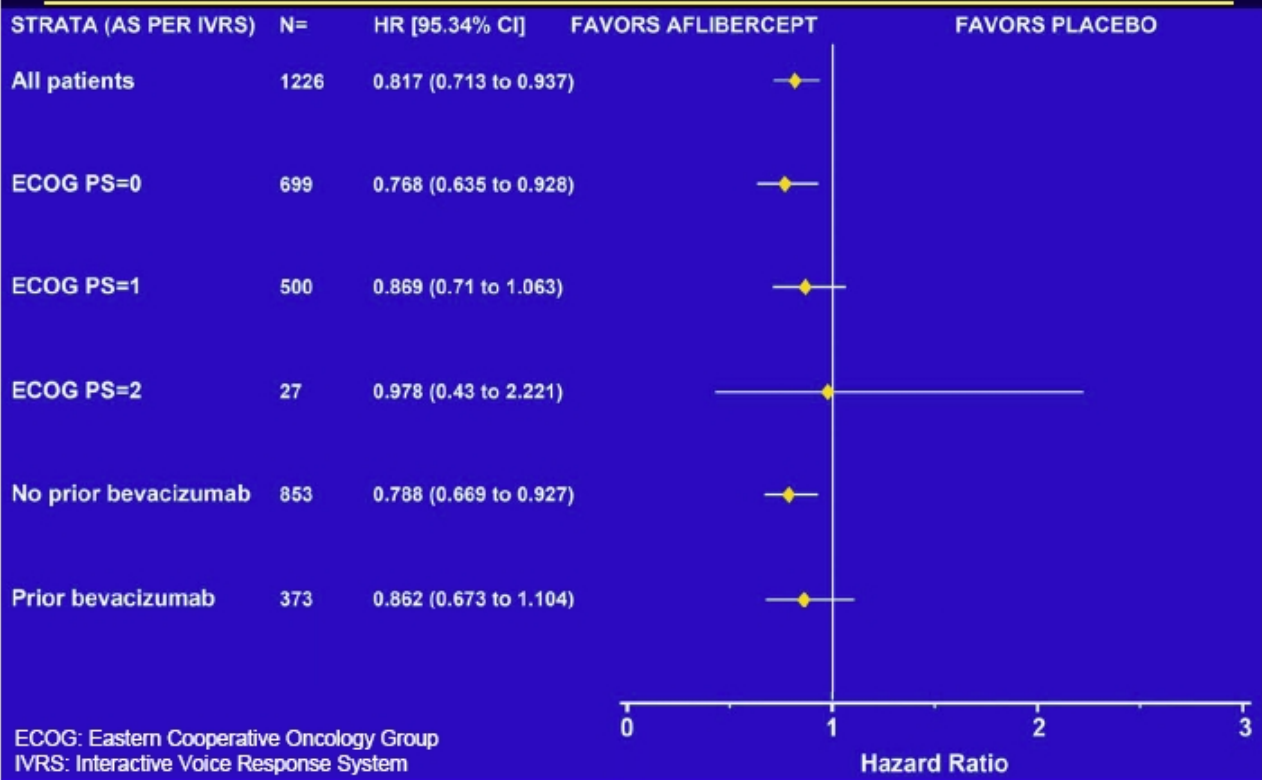
Overall Survival - ITT Population



	Number at Risk										
	Time (Months)										
	0	3	6	9	12	15	18	21	24	27	30
Placebo	614	573	485	401	286	193	131	87	51	31	14
AFLI	612	566	498	416	311	216	148	104	75	49	33

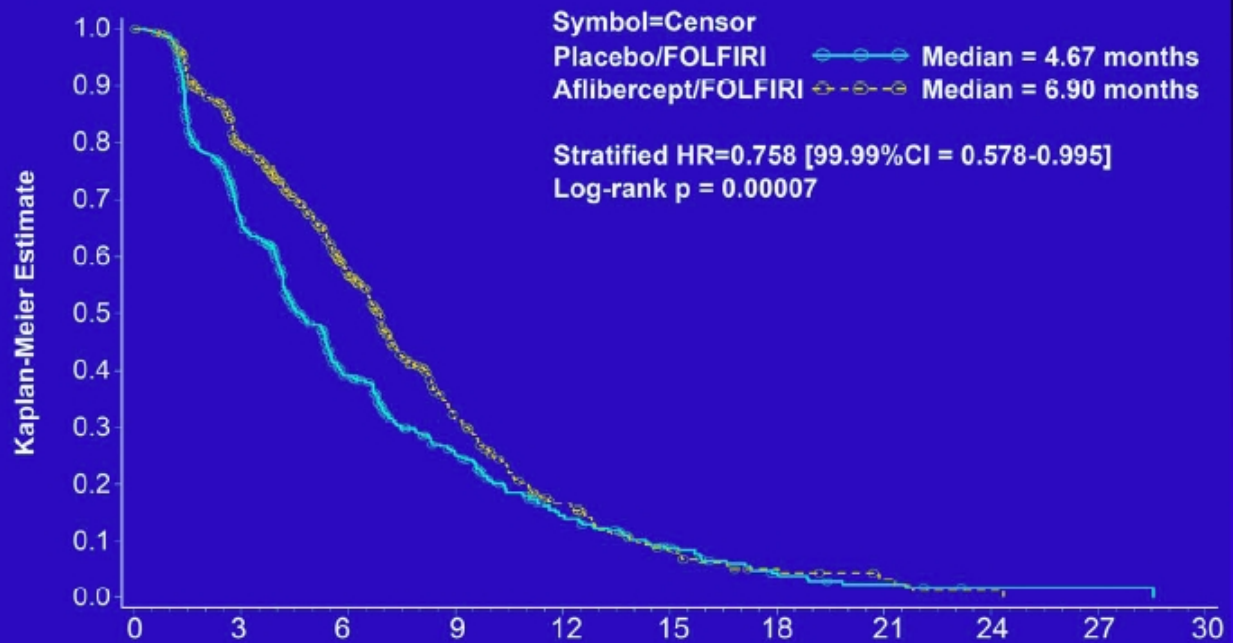
Cut-off date = February 7, 2011; Median follow-up = 22.28 months

Overall Survival by Stratification Factors – ITT Population



Progression Free Survival – ITT Population

Independent Review Committee



	Number at Risk						
	0	3	6	9	12	15	18
Placebo	614	355	171	94	46	24	9
AFLI	612	420	247	99	43	17	7

Cut-off date = May 6, 2011

Response Rate, Independent Review Committee

Evaluable population*, %	Placebo N = 530	Aflibercept N = 531
Best Overall Response		
Complete response	0.4	0
Partial response	10.8	19.8
Stable disease	64.9	65.9
Progressive disease	21.5	10.4
Not evaluable	2.5	4.0
Overall Response Rate		
(CR or PR)	11.1	19.8
95% CI	8.5 to 13.8	16.4 to 23.2
	p= 0.0001**	

*Evaluable population: patients with measurable target lesions that have agreed for third party review

** Stratified, Cochran Mantel test

Safety – Most frequent AEs, with $\geq 5\%$ difference in incidence between treatment arms, excluding anti-VEGF class events

Safety Population, % of patients PT, SOC, HLT*	Placebo, N = 605		Aflibercept N = 611	
	All Grades	Grade 3-4	All Grades	Grade 3-4
Diarrhea	56.5	7.8	69.2	19.3
Neutropenia**	56.3	29.5	67.8	36.7
Complicated neutropenia		2.8		5.7
Asthenic conditions (HLT)	50.2	10.6	60.4	16.9
Stomatitis & ulceration (HLT)	34.9	5.0	54.8	13.7
Thrombocytopenia**	33.8	1.7	47.4	3.3
Infections (SOC)	32.7	6.9	46.2	12.3
Decrease appetite	23.8	1.8	31.9	3.4
Weight decreased	14.4	0.8	31.9	2.6
Palmar plantar erythrodysesthesia	4.3	0.5	11.0	2.8
Skin hyperpigmentation	2.8	0	8.2	0
Dehydration	3.0	1.3	9.0	4.3

* PT: Preferred Term, SOC: system organ class, HLT: High Level Term, grouping: grouping of selected PTs

** From lab

Safety – Anti-VEGF Associated Events

Safety population, % of patients Grouped Term, PT	Placebo N = 605		Aflibercept N = 611	
	All Grade	Grade 3/4	All Grade	Grade 3/4
Proteinuria*	40.7	1.2	62.2	7.9
Hypertension	10.7	1.5	41.4	19.3
Haemorrhage	19.0	1.7	37.8	2.9
Epistaxis	7.4	0	27.7	0.2
GI origin	5.1	1.0	10.0	2.0
Dysphonia (PT)	3.3	0	25.4	0.5
Headache (PT)	8.8	0.3	22.3	1.6
Venous thromboembolic event	7.3	6.3	9.3	7.9
Pulmonary embolism	3.5	3.5	4.7	4.7
Arterial thromboembolic event	1.5	0.5	2.6	1.8
Fistula (GI origin)	0.3	0.2	1.1	0.3
Wound healing	0.8	0	0.5	0.3
GI perforation	0.5	0.3	0.5	0.5

*Systematic pre-dosing urine spot urinalysis

Deaths During Study Treatment

% – Safety Population	Placebo N = 605	Aflibercept N = 611
Number of deaths within 30d from last dose	3.1	4.9
Disease progression	2.1	2.3
Adverse events:	1.0	2.6
Infections (sepsis and neutropenic sepsis)	0.5	0.7
Death/sudden death	0.3	0.3
Pulmonary embolism	0	0.2
GI hemorrhage (duodenal ulcer)	0	0.2
GI disorders (inflammation/obstruction)	0	0.3
Respiratory disorders	0.2	0.3
Other**	0	0.7

**Other: dehydration (2pts), metabolic encephalopathy (1pt), hypovolemic shock (1pt)

Conclusions

- **Adding aflibercept to FOLFIRI in mCRC previously treated with an oxaliplatin based regimen provided benefits that are both statistically and clinically significant:**
 - Improvement in overall survival (HR=0.817 [95.34%CI, 0.713-0.937], p = 0.0032)
 - Improvement in PFS (HR=0.758 [99.99%CI, 0.578-0.995], p=0.00007)
 - Improvement in overall RR (11.1% vs 19.8%, p=0.0001)
- **The safety profile of aflibercept was acceptable and consistent with known anti-VEGF adverse effects. Adding aflibercept increases the specific CT related toxicity in the combination arm: neutropenic complications and diarrhea/stomatitis.**

Conclusions: **benefit of angiogenesis inhibitors in mCRC**

1st Line	2nd Line
IFL +/- bevacizumab ORR, PFS, OS (1)	FOLFIRI +/- aflibercept OS, PFS, RR (4) VELOUR
FOLFOX/XELOX +/- bevacizumab PFS only (3)	FOLFOX +/- bevacizumab ORR, PFS, OS (2)

(1) Hurwitz H et al. N Engl J Med 2004 (350) 2335-2342

(2) Giantonio BJ et al. ECOG E3200. J Clin Oncol 2007(25) 1539-1544

(3) Saltz LB et al. J Clin Oncol 2008 (26) 2013-2019

(4) Van Cutsem E et al, ESMO/WCGIC, Ann Oncol, june 2011

Acknowledgements

Thank you to all patients, their families and all the investigators who participated:

Argentina <ul style="list-style-type: none">*Batagelj E*Escudero M* Costanzo M.V	Chile (cont'd) <ul style="list-style-type: none">* Loredo E* Barajas O	Italy (cont'd) <ul style="list-style-type: none">* Gozza A* Aglietta M* Frustaci S* Maiello E* Santoro A	Romania (cont'd) <ul style="list-style-type: none">* Mihailov A* Curca R* Volovat C* Iorga P	Spain (cont'd) <ul style="list-style-type: none">* Bellmunt J* Cantos B* Merino S
Australia <ul style="list-style-type: none">* Shannon J* Parnis F* McKendrick J* Marx G* Desai J* Ng S* Van Hazel G	Czech Republic <ul style="list-style-type: none">* Lakomy R* Kiss I* Prausova J	Netherlands <ul style="list-style-type: none">* Van der Velden A* Kok T* Erdkamp F* Leeksa O.C* Ten Tije A.J	Russia <ul style="list-style-type: none">* Tjulandin S* Biakhov M* Moiseyenko V* Roman L* Gorbunova V* Orlova R	Sweden <ul style="list-style-type: none">* Glimelius B* Karimi M* Flygare P
Austria <ul style="list-style-type: none">* Scheithauer w	Denmark <ul style="list-style-type: none">* Pfeiffer P* Yilmaz M	New Zealand <ul style="list-style-type: none">* Thompson P* Jeffery M	South Africa <ul style="list-style-type: none">* Ruff P* Slabber C FS* Raats J* Mall R* Malan J* Bouwer J* Pirjol A	Turkey <ul style="list-style-type: none">* Buyukberber S* Oksuzoglu B* Abali H
Belgium <ul style="list-style-type: none">* Peeters M* Van Laethem JL* Van Cutsem E* Humblet Y* Delaunoit T* d'Haens G* Hendlisz A	Estonia <ul style="list-style-type: none">* Leppik K* Jõgi T	Norway <ul style="list-style-type: none">* Guren T* Sorbye H* Birkemeyer E.M	Ukraine <ul style="list-style-type: none">* Vinnik Y* Bashheyev V* Bondarenko I* Datsenko O	
Brazil <ul style="list-style-type: none">* Cubero D* Vinholes,J*Oliveira M*Jobim De Azevedo S*Prolla G*Hoff P*Azevedo F*Vieira F	France <ul style="list-style-type: none">* Metges JP* Faroux R	Poland <ul style="list-style-type: none">* Filipczyk-Cisarz E* Wojcik E* Dowgier-Witczak I* Zander I* Slomian G* Koralewski P	United Kingdom <ul style="list-style-type: none">* Samuel L* Valle J* Glynn-Jones R* Bridgewater J* Cunningham D* Ross P* Propper D* Ferry D* Hickish T	
Chile <ul style="list-style-type: none">* Villanueva L* Orlandi F* Vogel C	Germany <ul style="list-style-type: none">* Schmoll HJ* Meiler J* Welslau M* Kroning H* Karthaus M	Puerto Rico <ul style="list-style-type: none">* Baez-Diaz L	Spain <ul style="list-style-type: none">* Tabernero J* Lopez G* Gravalos C	
	Greece <ul style="list-style-type: none">* Georgoulas V* Samantas E* Kalofonos H* Papakostas P* Efremidis A	Romania <ul style="list-style-type: none">* Gutulescu N* Stanculeanu D		
	Italy <ul style="list-style-type: none">* Di Bartolomeo M* Zampino M			

Acknowledgements

Thank you to all patients, their families and all the investigators who participated:

United States

* Radford J
* Atkins J
* Polikoff J
* Hantel A
* Gross H
* Julian T
* Guarino M
* Fuloria J
* Kirshner J
* Wade J
* Flynn P
* Reiling R
* Salmon S
* George T
* Mitchell E
* Robin E
* Choksi J
* Resta R
* d'Andre S
* Lee F.C
* Sigal D
* Birhiray R
* Stella P
* Wallmark J

United States (cont'd)

* Gousse R
* Charu V
* Van Veldhuizen P
* Thomas A
* Cosgriff T
* Geils Jr G
* Vrindavanam N
* Armas A
* Weiner R
* Nadeem A
* Skinner W
* Lin E
* Haghighat P
* Wong L
* Pandit L
* Fehrenbacher L
* Del Prete S
* Manges R
* Daugherty J.P
* Shearer H
* Fink M
* Ghraoui M.A

NSABP, M. Guarino for US investigators coordination

Disclosure

This study (NCT00561470) was funded by sanofi. Aflibercept is being developed in oncology in a partnership between Regeneron and sanofi.