





### CYRAMZA: Adverse Events Were Generally Manageable

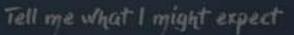
Adverse Reactions Occurring with CYRAMZA in Combination with Paclitaxel [at Incidence Rate of ≥5% and ≥2% Higher than Placebo]:

Adverse events	All gr	ades	Grade 3/4	
	CYGAMZA + pocialist	Placeing + Oadstand	CHRAMES.	Poceto -protest
Fatigue/asthenia	56,9%	43.8%	11.9%	5.5%
Neutropenia	54.4%	31.0%	40.7%	18,8%
Leukopenia	33,9%	21.0%	17,4%	5.7%
Darries	32.4%	23.1%	3.7%	1.5%
Epistonia	30,4%	7.0%	0.0%	0.0%
Hypertension	25.1%	5.8%	14.7%	2.7%
Paripharel edema	25.1%	13.7%	1.5%	0.4%
Stamplitis	19,6%	7.3%	0.6%	0.6%
Proteinuria	16.8%	6.1%	1.2%	0.0%
Thrombocytopenia	13,1%	6.1%	1,5%	1.8%
Hyroalbuminemia	11.0%:	4.9%	1.2%	0.9%
Gestrontestinal hemorrhage events	10.1%	36356	3.7%	1.5%

- . Data from the RAINBOW trial
- Although the incidence of grade 3 or 4 neutropenia was higher in the CYRAMZA plus paclitaxel. group, the incidence of grade 3 or greater febrile neutropenia was similar in both groups (10 [3%] vs. 8 [2%])<sup>2</sup>
- In the CYRAMZA plus paclitaxel treatment arm, the median duration of exposure to CYRAMZA was 18 weeks and to paclitaxel was 17.7 weeks<sup>3</sup>
- In the placebo plus paclitaxel treatment arm, the median duration of exposure was 12 weeks<sup>2</sup>

CYRAMZA in combination with paclitaxel resulted in significantly increased rates of grade 3/4 neutropenia (40.7% vs. 18.8%), though this did not translate into higher incidence of febrile neutropenia.





## CYRAMZA: Adverse Events Were Generally Manageable

Adverse Reactions Occurring with CYRAMZA in Combination with Publicant list tockence Rate of 25% and 22% Higher than Placebols'



#### Reference:

- 1. Ramucirumab (Cyramza) India Prescribing Information.
- 2. Wilke H, et al. Ramucirumab plus paclitaxel versus placebo plus paclitaxel in patients with previously treated advanced gastric or gastro-oesophageal junction adenocarcinoma (RAINBOW): a double-blind, randomised phase 3 trial. *Lancet Oncol* 2014;15:1224-1235.
- 3. Wilke H, et al. Ramucirumab plus paclitaxel versus placebo plus paclitaxel in patients with previously treated advanced gastric or gastro-oesophageal junction adenocarcinoma (RAINBOW): a double-blind, randomised phase 3 trial. *Lancet Oncol* 2014;15:1224-1235. Supplementary appendix: 1-37. Available at: http://www.thelancet.com/journals/lanonc/article/PI-IS1470-2045(14)70420-6/supplemental. Accessed December 2017.
- **4.** Salati M. et al. Second-line treatments: moving towards an opportunity to improve survival in advanced gastric cancer? *ESMO Open* 2017;2:e000206. doi:10.1136/esmoopen-2017-000206.

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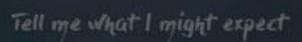


### CYRAMZA: Adverse Events Were Generally Manageable

Adverse Reactions Occurring with CYRAMZA Monotherapy (at Incidence Rate of ≥5% and ≥2% Higher than Placebolt!

Adverse events	CYRAI	MZA	Placebo		
	All grades	Grade 3/4	All grades	Grade 3/4	
Hypertension	16.1%	7.6%	7.8%	2.6%	
Abdominal pain	28.8%	5.9%	27.8%	2.6%	
Diarrhea	14.4%	0.8%	8.7%	1.7%	
Headashe	9.3%	0%	3.5%	0%	
Hyponatremia	5.5%	3.4%	1.7%	0.9%	

- . Data from the REBARD trial
- Median duration of exposure was 8 weeks?







## CYRAMZA: Adverse Events Were Generally Manageable

Adversas Reactions Occurring with CYRAMI'A Monotherapy (at Incidence Rate of ±5% and ±2% Higher than Placeboli)



#### References:

- 1. Ramucirumab (Cyramza) India Prescribing Information.
- 2. Fuchs CS, et at, Ramucirumab monotherapy for previously treated advanced gastric or gastro-oesophageal junction adenocarcinoma (REGARD): an international, randomised, multicentre, placebo-controlled, phase 3 trial. Lancet 2014:383[99111:31-39.

THE REAL PROPERTY.	7.070	- U2W	326	U(00)
Hyponatormia	5.5%	3.4%	1.7%	0.9%

- . Date from the REBARD and
- . Manian duration of exposure was 8 weeks?







## CYRAMZA Safety Across Six Randomized Phase III Trials – Analysis of 4996 Patients

Summary of the Incidence and Relative Risk of AEs Across the 6 Completed Phase III Clinical Trials'

Adverse events	All grades			Grade e 3		
	CYRAMZA N=2758	Control e=22/8	Relative risk (VSN CI)	EYPAMZA N=2748	Control In-7268	Relative cick (95% Cil)
HTN, n Phil	585 (21.3)	167 (7.4)	2.7 [2.3, 2.2]	246 19.01	57 (2.5)	3.7 (2.8, 4.9)
Probeitime n Hil	2591941	20 (3.1)	2417A A31	31 (1.0)	110.001*	8.517.5, 24.11
Blooding, n [%]	1031 (17.5)	425 (19.0)	2.0 [1.6, 2.2]	74 (2.7)	62 (2.0)	1,1 (0.0, 1.5)
Gloleeding withil	194/63	TESTA AS	1.611.0, 210	4510.60	36 (1.6)	1.1 (0.7, 1.7)
GI porturation, n 7%)	30 (1.1)	7 (0.3)	2.2 [1.5, 7.0]	28 (1,0)	5 (0.3)	3.2 (1.4, 7.3)
ATE HIND	38850	30 (13.8)	88 (4.5, 1.3)	21 (8.8)	(9 (01.8)	0.9(0.5(1.7)
VTE/ n/Sid	106.53.95	116 (5.29	0.7 (0.5, 1.1)	36 (2.00	61 (2.7)	0.7 (0.4; 1.2)
188.n761	mmest	104 (4.6)	7,4 (0.8, 2.3)	2811.00	13 (0.6)	1,5 (0.8, 2.7)
Wound-heating complications, n Phil	(4 (0.5)	4 50.25	2.0 (8.8, 5.1)	1 (0.2)	0.001	1,9 (0.6, 7.6)

"Ramucirumab may be distinct in terms of ATE, VTE, high-grade bleeding, or high-grade GI bleeding by showing no clear evidence for an increased risk of these AEs."

<sup>\*</sup> For two powers leaved that were not absence in all least one head were now or any shade, the relative row original the reliable shade large variablely.

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#### Reference:

 Arnold D, et al. Meta-analysis of individual patient safety data from six randomized, placebo-controlled trials with the antiangiogenic VEGFR2-binding monoclonal antibody ramucirumab. Annals of Oncology 2017;28(12):2932–2942.

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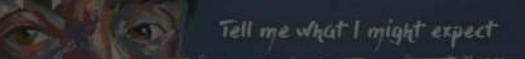


### RAINBOW Study: Discontinuation Rates Due to Adverse Events1



Applied from William R. H. at., 201

After discontinuation, the number of patients receiving systemic anti-neoplastic treatment was similar in both groups.







## RAINBOW Study: Discontinuation Rates Due to Adverse Events<sup>1</sup>

CYRAMZA + paclifaxel

Placebo - paclitaxel



#### Reference:

 Wilke H, et al. Ramucirumab plus paclitaxel versus placebo plus paclitaxel in patients with previously treated advanced gastric or gastro-pesophageat junction adenocarcinoma [RANBOW]: a double-blind, randomised phase 3 trial. Lancel Oncol. 2014;15:1224–1235.





WINDSTEIN STREET, N. B. 1814.

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