



## Redefine expectations in 3L mCRC with LONSURF + bevacizumab

SUNLIGHT is the first and only Phase 3 study with an **active comparator** that demonstrated statistically significant efficacy and proven safety while maintaining quality of life (QoL) in third-line (3L) metastatic colorectal cancer (mCRC).<sup>1-9</sup>

### STUDY DESIGN

SUNLIGHT was an open-label, randomized, Phase 3 study that investigated the efficacy and safety of LONSURF tablets in combination with bevacizumab compared with single-agent LONSURF in patients with refractory mCRC. The primary endpoint was overall survival (OS). Secondary endpoints were progression-free survival (PFS), objective response, disease control, QoL, and safety, including time to worsening of Eastern Cooperative Oncology Group Performance Status (ECOG PS) from 0 or 1 to 2 or more.<sup>1,2</sup>

### INDICATION

LONSURF is indicated as a single agent or in combination with bevacizumab for the treatment of adult patients with metastatic colorectal cancer previously treated with fluoropyrimidine-, oxaliplatin-, and irinotecan-based chemotherapy, an anti-VEGF biological therapy, and if RAS wild-type, an anti-EGFR therapy.<sup>1</sup>

### IMPORTANT SAFETY INFORMATION

#### WARNINGS AND PRECAUTIONS

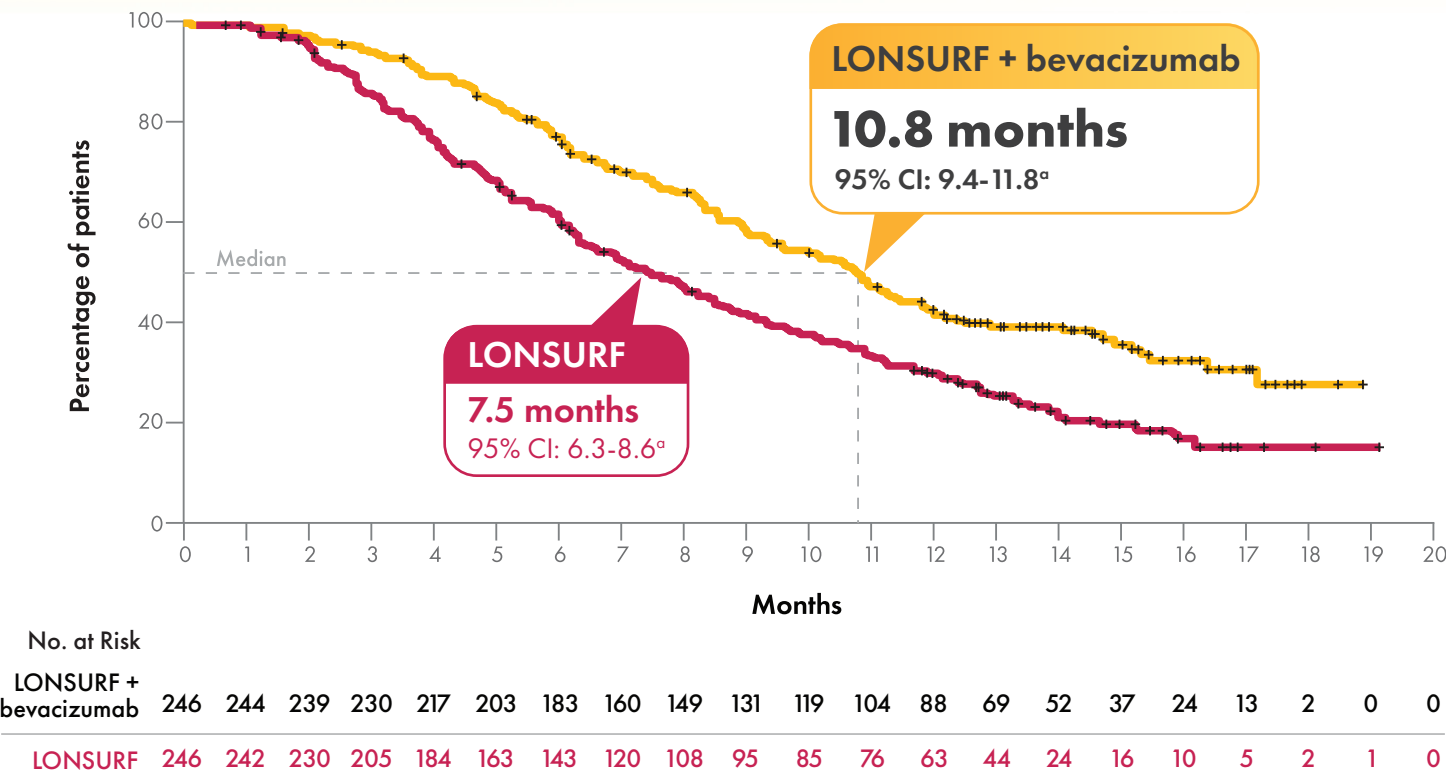
**Severe Myelosuppression:** In the 1114 patients who received LONSURF as a single agent, LONSURF caused severe or life-threatening myelosuppression (Grade 3-4) consisting of neutropenia (38%), anemia (17%), thrombocytopenia (4%) and febrile neutropenia (3%). Three patients (0.3%) died due to neutropenic infection/sepsis; four other patients (0.5%) died due to septic shock.

Please see additional Important Safety Information throughout  
and full Prescribing Information at [LONSURF.com/PI](https://www.lonsurf.com/PI).

## ~11 months median OS (mOS)

Primary Endpoint: Overall Survival (OS) (N=492)<sup>1,2</sup>

Hazard ratio (HR)=0.61, P<0.001



<sup>°</sup>Not adjusted for multiplicity.<sup>2</sup>



**39%** reduction in the risk of death<sup>1</sup>

### IMPORTANT SAFETY INFORMATION

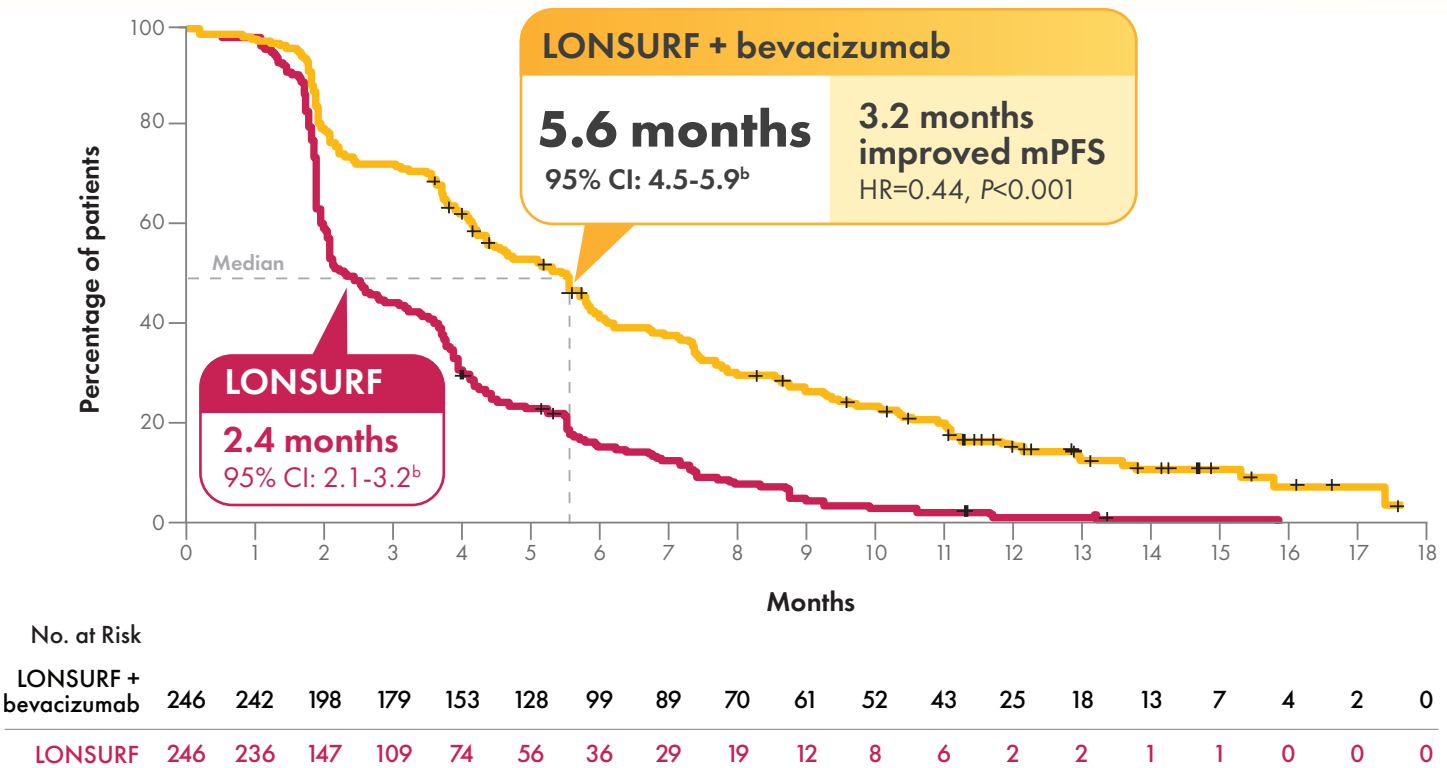
#### WARNINGS AND PRECAUTIONS (continued)

**Severe Myelosuppression (continued):** A total of 14% of patients received granulocyte-colony stimulating factors. In the 246 patients who received LONSURF in combination with bevacizumab, LONSURF caused severe or life-threatening myelosuppression (Grade 3-4) consisting of neutropenia (52%), anemia (5%), thrombocytopenia (4%) and febrile neutropenia (0.4%). One patient (0.4%) died due to abdominal sepsis and two other patients (0.8%) died due to septic shock. A total of 29% of patients received granulocyte-colony stimulating factors. Obtain complete blood counts prior to and on Day 15 of each cycle of LONSURF and more frequently as clinically indicated. Withhold LONSURF for severe myelosuppression and resume at the next lower dosage.

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## Median PFS (mPFS) more than doubled

Progression-free Survival (PFS) (N=492)<sup>1,2</sup>



<sup>b</sup>Not adjusted for multiplicity.<sup>2</sup>

More than three-quarters of patients achieved disease control (P<0.001)<sup>10</sup>

**77%**  
LONSURF +  
bevacizumab

vs

**47%**  
LONSURF  
alone

DCR is defined as the proportion of patients with a complete response, a partial response, or stable disease.

Objective response rate (ORR)<sup>2</sup>:

**6%**  
LONSURF +  
bevacizumab

vs

**1%**  
LONSURF  
alone

### IMPORTANT SAFETY INFORMATION

#### WARNINGS AND PRECAUTIONS (continued)

**Embryo-Fetal Toxicity:** LONSURF can cause fetal harm when administered to a pregnant woman. Advise pregnant women of the potential risk to the fetus. Advise females of reproductive potential to use effective contraception during treatment and for at least 6 months after the final dose.



LONSURF + bevacizumab maintained QoL across all studied measures<sup>11</sup>

In the SUNLIGHT trial, QoL and Time to Worsening of Eastern Cooperative Oncology Group performance status (ECOG PS) from 0 or 1 to 2 or more were predefined secondary endpoints.<sup>2</sup> QoL was assessed through the patient-completed European Organisation for Research and Treatment of Cancer Quality of Life Questionnaire-Core 30 (EORTC-QLQ-C30) and EuroQol 5-Dimension 5-Level (EQ-5D-5L) questionnaire, and time to definitive deterioration (TTDD) was determined for each treatment arm.<sup>2,11</sup>

Patients treated with LONSURF + bevacizumab experienced a longer TTDD in all questionnaire measures and a delayed worsening of ECOG PS vs those treated with LONSURF alone.<sup>11</sup>

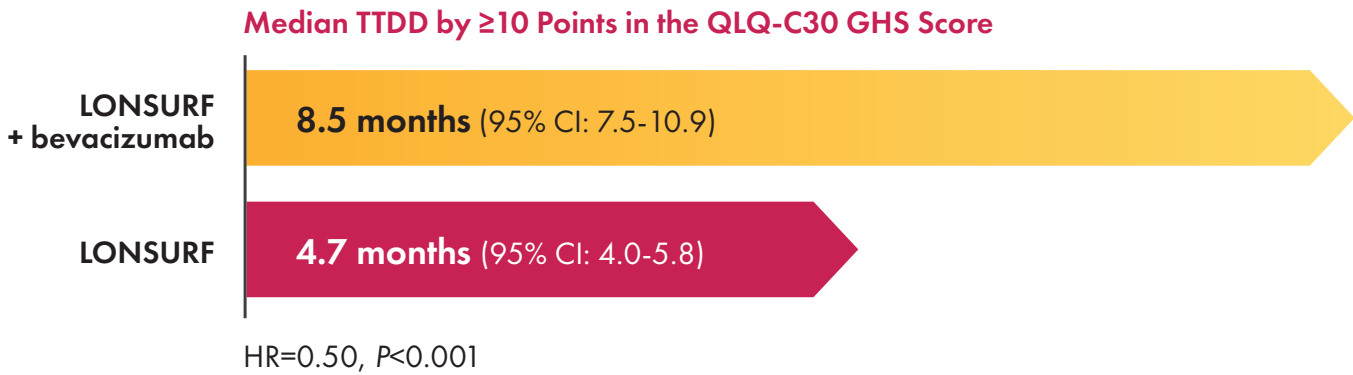
Cancer-specific patient-reported outcome (PRO): EORTC QLQ-C30

The QLQ-C30 assesses health-related QoL in patients with cancer using 30 questions across 15 subscales (global health status [GHS], 5 functional, and 9 symptom).<sup>11</sup>

TTDD was compared for each treatment arm, defined as the interval from baseline to the first QoL score worsening by ≥10 points, with no subsequent improvement above this threshold during the study.<sup>11</sup>

Global Health Status<sup>11</sup>

The GHS subscale of the QLQ-C30 questionnaire assesses a patient’s overall perception of their health and QoL.<sup>11</sup>



IMPORTANT SAFETY INFORMATION  
USE IN SPECIFIC POPULATIONS

**Lactation:** It is not known whether LONSURF or its metabolites are present in human milk. There are no data to assess the effects of LONSURF or its metabolites on the breastfed child or the effects on milk production. Because of the potential for serious adverse reactions in breastfed children, advise women not to breastfeed during treatment with LONSURF and for 1 day following the final dose.

**Male Contraception:** Because of the potential for genotoxicity, advise males with female partners of reproductive potential to use condoms during treatment with LONSURF and for at least 3 months after the final dose.

Please see additional Important Safety Information throughout and full Prescribing Information at [LONSURF.com/PI](https://www.lonsurf.com/PI).

Functional subscales<sup>11</sup>



Physical functioning

HR=0.41, P<0.001

9.0 months vs 4.5 months  
(95% CI: 8.2-11.8) (95% CI: 3.7-5.6)



Role functioning

HR=0.46, P<0.001

8.6 months vs 4.4 months  
(95% CI: 7.5-10.9) (95% CI: 3.8-5.1)



Emotional functioning

HR=0.42, P<0.001

10.0 months vs 5.9 months  
(95% CI: 8.5-12.1) (95% CI: 4.7-6.6)



Cognitive functioning

HR=0.43, P<0.001

9.4 months vs 4.7 months  
(95% CI: 8.3-12.3) (95% CI: 4.1-6.1)



Social functioning

HR=0.46, P<0.001

9.0 months vs 4.9 months  
(95% CI: 7.9-11.9) (95% CI: 4.1-5.9)

Symptom subscales<sup>11</sup>



Fatigue

HR=0.54, P<0.001

8.2 months vs 4.0 months  
(95% CI: 6.1-10.0) (95% CI: 3.2-4.8)



Nausea and vomiting

HR=0.41, P<0.001

9.4 months vs 5.1 months  
(95% CI: 8.5-11.9) (95% CI: 4.3-6.3)



Pain

HR=0.46, P<0.001

8.6 months vs 4.3 months  
(95% CI: 7.0-10.4) (95% CI: 3.3-5.2)



Dyspnea

HR=0.41, P<0.001

9.4 months vs 5.7 months  
(95% CI: 8.5-12.3) (95% CI: 4.4-6.6)



Insomnia

HR=0.42, P<0.001

9.4 months vs 5.8 months  
(95% CI: 8.5-12.3) (95% CI: 4.7-6.8)



Appetite loss

HR=0.50, P<0.001

8.3 months vs 4.7 months  
(95% CI: 6.7-10.9) (95% CI: 3.9-6.0)



Constipation

HR=0.44, P<0.001

9.5 months vs 5.6 months  
(95% CI: 8.3-12.1) (95% CI: 4.6-6.7)



Diarrhea

HR=0.41, P<0.001

10.4 months vs 5.5 months  
(95% CI: 8.8-14.5) (95% CI: 4.7-6.6)



Financial difficulties

HR=0.47, P<0.001

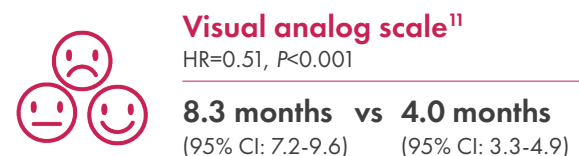
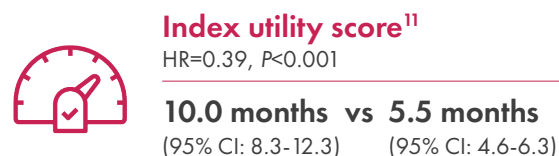
9.4 months vs 6.1 months  
(95% CI: 8.3-12.1) (95% CI: 5.1-6.9)

## LONSURF + bevacizumab maintained QoL across all studied measures<sup>11</sup>

### General health PRO: EQ-5D-5L<sup>11</sup>

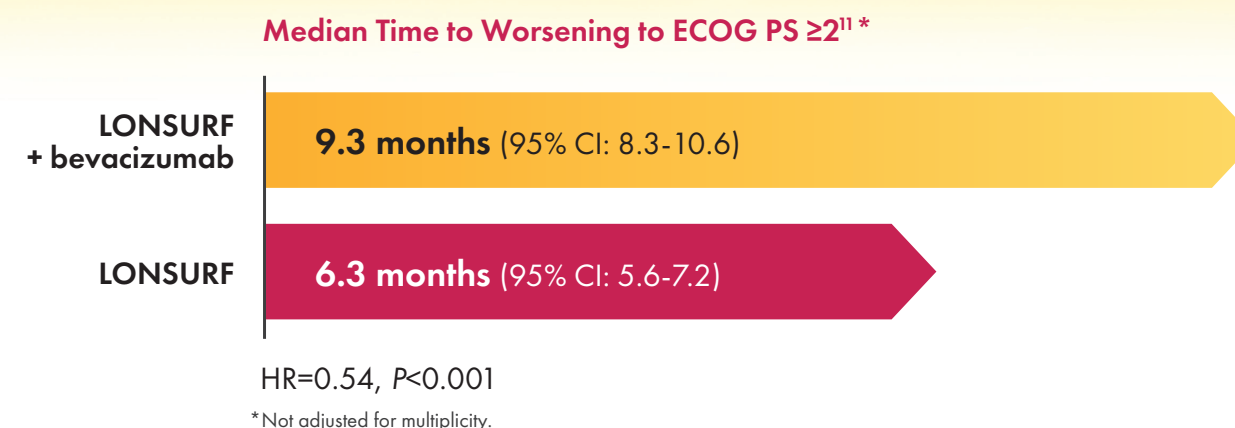
The EQ-5D-5L questionnaire measures general QoL across 5 dimensions (mobility, self-care, usual activities, pain/discomfort, and anxiety/depression) with 5 levels of severity. It converts these into a single index utility score from 1 (full health) to 0 (death) and includes a visual analog scale (VAS) ranging from 100 (best imaginable health) to 0 (worst imaginable health).<sup>11</sup>

TTDD was compared for each treatment arm, defined as the interval from baseline to the first worsening in EQ-5D-5L VAS score by  $\geq 7$  points or utility index score by  $\geq 0.08$ , with no subsequent improvement above this threshold during the study.<sup>11</sup>



In SUNLIGHT, health-related QoL (assessed by QLQ-C30 and EQ-5D-5L) was maintained throughout treatment, with no clinically relevant difference between patients treated with LONSURF + bevacizumab and LONSURF alone.<sup>11</sup>

## Slower time to ECOG PS deterioration<sup>11</sup>



**44%** of patients treated with LONSURF + bevacizumab went on to receive subsequent therapy following the trial.<sup>11</sup>

There was a significant association between time to ECOG PS deterioration to  $\geq 2$  and clinically relevant change in mean GHS score (QLQ-C30) over time. A worsening of  $\geq 10$  points in mean GHS score increased the risk of ECOG PS deterioration by 53%.<sup>11</sup>

### IMPORTANT SAFETY INFORMATION

#### USE IN SPECIFIC POPULATIONS (continued)

**Geriatric Use:** Patients 65 years of age or older who received LONSURF in combination with bevacizumab had a higher incidence of the following hematologic laboratory abnormalities compared to patients younger than 65 years: Grade 3 or 4 neutropenia (60% vs 46%) and Grade 3 or 4 thrombocytopenia (5% vs 4%).

**Renal Impairment:** No adjustment to the starting dosage of LONSURF is recommended in patients with mild or moderate renal impairment (CLcr of 30 to 89 mL/min). Reduce the starting dose of LONSURF for patients with severe renal impairment (CLcr of 15 to 29 mL/min) to a recommended dosage of 20 mg/m<sup>2</sup>.

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### IMPORTANT SAFETY INFORMATION

#### USE IN SPECIFIC POPULATIONS (continued)

**Hepatic Impairment:** Do not initiate LONSURF in patients with baseline moderate or severe (total bilirubin > 1.5 times ULN and any AST) hepatic impairment. Patients with severe hepatic impairment (total bilirubin > 3 times ULN and any AST) were not studied. No adjustment to the starting dosage of LONSURF is recommended for patients with mild hepatic impairment.

#### ADVERSE REACTIONS

**Serious adverse reactions** occurred in 25% of patients. The most frequent serious adverse reactions ( $\geq 2\%$ ) were intestinal obstruction (2.8%), and COVID-19 (2%). Fatal adverse reactions occurred in 1.2% of patients who received LONSURF in combination with bevacizumab, including rectal fistula (0.4%), bowel perforation (0.4%) and atrial fibrillation (0.4%).



Manageable and predictable safety profile<sup>2,10</sup>

Select laboratory abnormalities (≥10%) in patients

	LONSURF + bevacizumab (n=246)		LONSURF (n=246)	
Hematologic abnormality	All grades (%)	Grade 3-4 (%)	All grades (%)	Grade 3-4 (%)
Neutropenia	80	52	68	39
Anemia	68	5	73	11
Thrombocytopenia	54	4.1	29	0.8

- **29%** of patients treated with LONSURF + bevacizumab received granulocyte-colony stimulating factors (G-CSF) vs 19.5% treated with LONSURF alone<sup>1,2</sup>
- Febrile neutropenia occurred in 1 patient (**<1%**) treated with LONSURF + bevacizumab and in 6 patients treated with LONSURF alone<sup>2</sup>

Dose modifications

- **Dose delays** due to adverse events occurred in **70%** of patients treated with LONSURF + bevacizumab<sup>2</sup>
- **Dosage interruptions** due to an AR occurred in **11%** of patients treated with LONSURF + bevacizumab<sup>1</sup>
- **Dose reduction** due to an AR or laboratory abnormality occurred in **7%** of patients treated with LONSURF + bevacizumab<sup>1</sup>
- **Discontinuation** due to an AR occurred in **13%** of patients in both treatment arms<sup>1</sup>

Do not initiate treatment with LONSURF until the absolute neutrophil count (ANC) is ≥1,500 mm<sup>3</sup>. Within a cycle, withhold LONSURF if the ANC is <500 mm<sup>3</sup>. A maximum of 3 dose reductions are permitted to a minimum dose of 20 mg/m<sup>2</sup> orally twice daily. See Section 2.2 Dosage Modifications for Adverse Reactions of the LONSURF PI for specific guidance on dose adjustments for ARs.<sup>1</sup>

The AR profile of LONSURF + bevacizumab combination was consistent with the independent AR profiles of each product.<sup>1</sup>

Adverse reactions (ARs) in ≥5% of patients<sup>1</sup>

	LONSURF + bevacizumab (n=246)		LONSURF (n=246)	
Adverse reaction	All grades (%)	Grade 3-4 (%)	All grades (%)	Grade 3-4 (%)
General disorders and administration site conditions				
Fatigue <sup>a</sup>	45	5	37	8
Pyrexia	4.9	0	6	0.4
Gastrointestinal disorders				
Nausea	37	1.6	27	1.6
Diarrhea <sup>a</sup>	21	1.2	19	2.4
Vomiting <sup>a</sup>	19	0.8	15	1.6
Abdominal pain <sup>a</sup>	20	2.8	18	3.7
Constipation	11	0	11	0.8
Stomatitis <sup>a</sup>	13	<0.4	4.1	0
Infections and infestations <sup>a</sup>				
	31	8	24	8
Metabolism and nutrition disorders				
Decreased appetite	20	<0.8	15	1.2
Musculoskeletal and connective tissue disorders				
Musculoskeletal pain <sup>a</sup>	18	1.2	11	2
Nervous system disorder				
Headache	8	0	3.7	0
Vascular disorders				
Hypertension <sup>a</sup>	11	6	2	1.2
Hemorrhage <sup>a</sup>	10	1.2	3.7	0.8
Renal and urinary disorders				
Proteinuria	6	0.8	1.2	0

<sup>a</sup>Represents a composite of multiple related terms.

# Extended survival and prolonged PFS while maintaining QoL<sup>1,2,11</sup>

In the SUNLIGHT trial, patients treated with LONSURF + bevacizumab vs LONSURF alone experienced:



## ~11 months OS and more than double the PFS

**OS:** 10.8 months (95% CI: 9.4-11.8) vs 7.5 months (95% CI: 6.3-8.6) (HR=0.61,  $P<0.001$ )<sup>1</sup>

**PFS:** 5.6 months (95% CI: 4.5-5.9) vs 2.4 months (95% CI: 2.1-3.2) (HR=0.44,  $P<0.001$ )<sup>2</sup>



## Maintained QoL across all studied measures

QoL was maintained across all patient-reported measures of the QLQ-C30 and EQ-5D-5L questionnaires, while the time to deterioration to ECOG PS  $\geq 2$  was significantly delayed.<sup>11</sup>



## A manageable and predictable safety profile

The AR profile of LONSURF + bevacizumab was consistent with the independent AR profiles of each product.<sup>1</sup>



To learn more about LONSURF, scan the QR code or visit [LONSURFhcp.com](https://LONSURFhcp.com)

## IMPORTANT SAFETY INFORMATION

### ADVERSE REACTIONS

The most common adverse reactions or laboratory abnormalities ( $\geq 20\%$  in incidence) in patients treated with LONSURF in combination with bevacizumab vs LONSURF alone were neutropenia (80% vs 68%), anemia (68% vs 73%), thrombocytopenia (54% vs 29%), fatigue (45% vs 37%), nausea (37% vs 27%), increased aspartate aminotransferase (34% vs 28%), increased alanine aminotransferase (33% vs 23%), increased alkaline phosphate (31% vs 36%), decreased sodium (25% vs 20%), diarrhea (21% vs 19%), abdominal pain (20% vs 18%), and decreased appetite (20% vs 15%).

**References:** 1. LONSURF [package insert]. Princeton, NJ: Taiho Oncology, Inc.; 2023. 2. Prager GW, Taieb J, Fakih M, et al. Trifluridine–tipiracil and bevacizumab in refractory metastatic colorectal cancer. *N Engl J Med*. 2023;388(18):1657-1667. 3. Dasari NA, Lonardi S, Garcia-Carbonero R, et al. FRESCO-2: a global phase III multiregional clinical trial (MRCT) evaluating the efficacy and safety of fruquintinib in patients with refractory metastatic colorectal cancer [abstract]. *Ann Oncol*. 2022;33(suppl 7):S1391-S1392. 4. Evrard C, Messina S, Seftiou D, et al. Heterogeneity of mismatch repair status and microsatellite instability between primary tumour and metastasis and its implications for immunotherapy in colorectal cancers. *Int J Mol Sci*. 2022;23(8):4427. 5. Li J, Qin S, Xu R-H, et al. Effect of fruquintinib vs placebo on overall survival in patients with previously treated metastatic colorectal cancer: the FRESCO randomized clinical trial. *JAMA*. 2018;319(24):2486-2496. 6. Kim TW, Shen L, Xu JM, et al. TERRA: a randomized, double-blind, placebo-controlled phase 3 study of TAS-102 in Asian patients with metastatic colorectal cancer [abstract]. *Ann Oncol*. 2016;27(suppl 6):vi149-vi206. 7. Li J, Qin S, Yau T, et al. CONCUR: a randomised, double-blind, placebo-controlled phase 3 study of regorafenib monotherapy in Asian patients with previously treated metastatic colorectal cancer (mCRC) [abstract]. *Ann Oncol*. 2014;25(2):ii105-ii117. 8. Grothey A, Van Cutsem E, Sobrero A, et al; CORRECT Study Group. Regorafenib monotherapy for previously treated metastatic colorectal cancer (CORRECT): an international, multicentre, randomised, placebo-controlled, phase 3 trial. *Lancet*. 2013;381(9863):303-312. 9. Avastin [package insert]. South San Francisco, CA: Genentech, Inc.; 2022. 10. Fakih M, Prager GW, Tabernero J, Amellal N, Calleja E, Taieb J. Clinically meaningful outcomes in refractory metastatic colorectal cancer: a decade of defining and raising the bar. *ESMO Open*. 2024;9(11):103931. 11. Taieb J, Fakih M, Tabernero J, et al. Impact of treatment with trifluridine/tipiracil in combination with bevacizumab on health-related quality of life and performance status in refractory metastatic colorectal cancer: an analysis of the phase III SUNLIGHT trial. <https://doi.org/10.1016/j.clcc.2024.12.002>

Please see additional Important Safety Information throughout and full Prescribing Information at [LONSURF.com/PI](https://LONSURF.com/PI).

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