Passion for Innovation. Compassion for Patients.™



欧州臨床腫瘍学会 (ESMO) 2021 ハイライト

第一三共株式会社

グローバル研究開発ヘッド 竹下 健一

将来の見通しに関する注意事項



本書において当社が開示する経営戦略・計画、業績予想、将来の予測や方針に関する情報、研究開発に関する情報等につきましては、全て将来を見込 んだ見解です。これらの情報は、開示時点で当社が入手している情報に基づく一定の前提・仮定及び将来の予測等を基礎に当社が判断したものであり、 これらには様々なリスク及び不確実性が内在しております。従いまして、実際の当社の業績は、当社の見解や開示内容から大きくかい離する可能性が あることをご留意願います。また、本書において当初設定した目標は、全て実現することを保証しているものではありません。なお、実際の結果等に かかわらず、当社は本書の日付以降において、本書に記述された内容を随時更新する義務を負うものではなく、かかる方針も有していません。 本書において当社が開示する開発中の化合物は治験薬であり、開発中の適応症治療薬としてFDA等の規制当局によって承認されてはおりません。これ らの化合物は、対象地域においてまだ有効性と安全性が確立されておらず、開発中の適応症で市販されることを保証するものではありません。 当社は、本書に記載された内容について合理的な注意を払うよう努めておりますが、記載された情報の内容の正確性、適切性、網羅性、実現可能性等 について、当社は何ら保証するものではありません。また、本書に記載されている当社グループ以外の企業・団体その他に係る情報は、公開情報等を 用いて作成ないし記載したものであり、かかる情報の正確性、適切性、網羅性、実現可能性等について当社は独自の検証を行っておらず、また、これ を何ら保証するものではありません。

本書に記載の情報は、今後予告なく変更されることがあります。従いまして、本書又は本書に記載の情報の利用については、他の方法により入手した 情報とも照合し、利用者の判断においてご利用ください。

本書は、米国又は日本国内外を問わず、いかなる証券についての取得申込みの勧誘又は販売の申込みではありません。

本書は投資家判断の参考となる情報の公開のみを目的としており、投資に関する最終決定はご自身の責任においてご判断ください。

当社は、本書に記載された情報の誤り等によって生じた損害について一切責任を負うものではありません。



2 ESMO ハイライト

3 ESMO 発表

DESTINY-Breast03 DESTINY-Lung01 DS-7300 Ph1/2







◆ 今年の ESMO は、第一三共が、がん領域のグローバルリーダーに 変革する大きな転換点となった

- 4つの late-breakingセッションでの発表、ここには Presidential Symposium のオープニング演題も含まれる
- ▶ 臨床入りした4つ目の DXd-ADCであるDS-7300の臨床試験データを 初めて発表

本日発表するデータは、がん患者さんの治療を変革する医薬品の 創出において当社のリーダーシップが 強まっていることを示すと共に、複数の がんに対する当社独自のADC技術の強みを 実証し続けている。



2 ESMO ハイライト

3 ESMO 発表演題 DESTINY-Breast03 DESTINY-Lung01 DS-7300 Ph1/2





4つの late breaking 発表におけるハイライト



- 1. エンハーツ[®] DESTINY-Breast03 (HER2陽性 乳がん、2次治療、フェーズ3)
 - ◆ Presidential Symposium におけるオープニング発表
 - ◆ 乳がんでの最初の直接比較グローバルフェーズ3試験、エンハーツ[®]は、 T-DM1に対し優れた有効性を示した
 - ◆ PFSにおいて、統計的に有意かつ臨床的に意義ある、前例のない改善を示した
 - → HER2陽性乳がんの2次治療における新たな標準治療となる決定的かつ 確証的なエビデンスを示すと共に、エンハーツ®のHER2陽性乳がん における全ての臨床試験への自信が大幅に高まった

HER2陽性乳がんの治療におけるパラダイムシフト

4つの late breaking 発表におけるハイライト



2. エンハーツ[®] DESTINY-Lung01

(HER2変異 非小細胞肺がん、2次治療、フェーズ2)

- ◆ 未だ承認された薬がないHER2変異非小細胞肺がんにおいて、HER2を標的とする治療が 堅牢で持続的な有効性を示す可能性を示した
- ◆ データは、the New England Journal of Medicine に同時に掲載された
- →HER2変異非小細胞肺がん患者の転帰に変革をもたらし、 新たな標準治療となる可能性

エンハーツ®がHER2が標的になりうる 多様ながんの治療にも変革をもたらす可能性

4つの late breaking 発表におけるハイライト



3. エンハーツ[®] DESTINY-Gastric02

(HER2陽性 胃がん、2次治療、フェーズ2)

◆ 単群で実施したHER2陽性胃がん患者の2次治療における西洋人を含む 最初の試験で、エンハーツ[®]は、素晴らしい持続的な有効性を示した

4. Dato-DXd TROPION-PanTumor01 (サブグループ解析:アクショナブル遺伝子変異を有する非小細胞肺がん)

◆ アクショナブル遺伝子変異を有する非小細胞肺がん患者群での 最初のサブグループ解析であり、有望な有効性のデータから 本患者層での開発への自信を得た

DS-7300 口頭発表のハイライト



◆ DS-7300 固形がんに対するフェーズ1/2試験

- 4番目のDXd-ADCであるDS-7300における最初の臨床データとなる first-in-human用量漸増試験での中間結果
- DS-7300は、B7-H3を標的としたADC であり、これまでにB7-H3を標的として承認された抗がん剤はない
- DS-7300は、多数の前治療を受けた複数の進行固形がんに対し、有望な初期の有効性 および忍容性を示し、かつ用量制限毒性は出ていない
- → B7-H3を標的とするDS-7300は、現在、治療オプションが限られている いくつかのがん種に対する新しい効果的な治療戦略となりうる 予備的なエビデンスを示した。

本日の発表



ESMO 2021では 全部で18の抄録が発表された

Presidential Symposiumでの発表:1演題
 口頭発表:3演題
 ミニロ頭発表:2演題
 e-ポスター:12発表

本日お話しする3つの発表

- ◆ エンハーツ® DESTINY-Breast03 フェーズ3 データ
- ◆ エンハーツ® DESTINY-Lung01 フェーズ2 HER2変異コホート データ
- ◆ DS-7300 フェーズ1/2 試験 中間データ

全てのスライドを 添付資料に掲載しています

- ENHERTU[®] DESTINY-Breast03
- ENHERTU[®] DESTINY-Lung01
- ENHERTU[®] DESTINY-Gastric02
- ENHERTU[®] DESTINY-Breast01
- Dato-DXd TROPION-PanTumor01
 非小細胞肺がん コホート
- ◆ Dato-DXd TROPION-PanTumor01
 アクショナブル遺伝子変異を有する
 非小細胞肺がん サブ解析

DS-7300 Ph1/2



2 ESMO ハイライト

3 ESMO 発表 DESTINY-Breast03 DESTINY-Lung01 DS-7300 Ph1/2







Trastuzumab Deruxtecan (T-DXd) vs Trastuzumab Emtansine (T-DM1) in Patients With HER2+ Metastatic Breast Cancer: Results of the Randomized, Phase 3 Study DESTINY-Breast03

Javier Cortés, MD^a, Sung-Bae Kim, Wei-Pang Chung, Seock-Ah Im, Yeon Hee Park, Roberto Hegg, Min-Hwan Kim, Ling-Ming Tseng, Vanessa Petry, Chi-Feng Chung, Hiroji Iwata, Erika Hamilton, Giuseppe Curigliano, Binghe Xu, Caleb Lee, Yali Liu, Jillian Cathcart, Emarjola Bako, Sunil Verma, Sara Hurvitz On behalf of the DESTINY-Breast03 investigators

^aMedical Oncology, International Breast Cancer Center (IBCC), Quironsalud Group, and Vall d'Hebron Institute of Oncology (VHIO), Barcelona, Spain; Universidad Europea de Madrid, Faculty of Biomedical and Health Sciences, Department of Medicine, Madrid, Spain.



ADC Characteristic Differences Between T-DXd and T-DM1



Trastuzumab deruxtecan (T-DXd)¹

ESMO2021

T-DXd ^{1-4,a}	ADC Attributes	T-DM1 ³⁻⁵
Topoisomerase I inhibitor	Payload MoA	Anti-microtubule
~8:1	Drug-to-antibody ratio	~3.5:1
Yes	Tumor-selective cleavable linker?	No
Yes	Evidence of bystander anti-tumor effect?	No

Trastuzumab emtansine (T-DM1)⁵

ADC, antibody-drug conjugate; MoA, mechanism of action.

^aThe clinical relevance of these features is under investigation.

1. Nakada T et al. Chem Pharm Bull (Tokyo). 2019;67:173-85. 2. Ogitani Y et al. Clin Cancer Res. 2016;22:5097-108. 3. Trail PA et al. Pharmacol Ther. 2018;181:126-42.

4. Ogitani Y et al. Cancer Sci. 2016;107:1039-46. 5. LoRusso PM et al. Clin Cancer Res. 2011;17:6437-47.

DESTINY-Breast03: First Randomized Ph3 Study of T-DXd



An open-label, multicenter study (NCT03529110)

Patients

- Unresectable or metastatic HER2-positive^a breast cancer
- Previously treated with trastuzumab and taxane in advanced/metastatic setting^b
- Could have clinically stable, treated brain metastases

Stratification factors

- Hormone receptor status
- Prior treatment with pertuzumab
- History of visceral disease



Primary endpoint

PFS (BICR)

Key secondary endpoint OS

Secondary endpoints

- ORR (BICR and investigator)
- DOR (BICR)
- PFS (investigator)
- Safety

Interim analysis for PFS (data cutoff: May 21, 2021)

- Efficacy boundary for superiority: *P* < 0.000204 (based on 245 events)
- IDMC recommendation to unblind study (July 30, 2021)

Key secondary endpoint, OS: boundary for efficacy: P < 0.000265 (based on 86 events)

ESMO2021

BICR, blinded independent central review; DOR, duration of response; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; Ph3, phase 3; Q3W, every 3 weeks. ^aHER2 IHC3+ or IHC2+/ISH+ based on central confirmation. ^bProgression during or <6 months after completing adjuvant therapy involving trastuzumab and taxane

Patient Disposition





Median follow up for T-DXd was 16.2 months and for T-DM1 was 15.3 months



Baseline Characteristics



	T-DXd	T-DM1
	(n = 261)	(n = 263)
Age, median (range), years	54.3 (27.9-83.1)	54.2 (20.2-83.0)
Female, %	99.6	99.6
Region, %		
Europe	20.7	19.0
Asia	57.1	60.8
North America	6.5	6.5
Rest of world	15.7	13.7
HER2 status (IHC ^a , %)		
3+	89.7	88.2
2+ (ISH amplified)	9.6	11.4
1+ Not Evaluable Not Examined	0.4 0.4 0	0 0.4 0
ECOG PS, %		
0 1 Missing	59.0 40.6 0.4	66.5 33.1 0.4
Hormone receptor, %		
Positive Negative	50.2 49.8	51.0 49.0
Brain metastases, %		
Yes No	23.8 76.2	19.8 80.2
Visceral disease, %		
Yes No	70.5 29.5	70.3 29.7



ECOG PS, Eastern Cooperative Oncology Group performance status; IHC, immunohistochemistry; ISH, in situ hybridization. ^aHER2-status as evaluated by central lab.

Prior Therapies



	T-DXd (n = 261)	T-DM1 (n = 263)
Prior Treatment for mBC, n (%)		
No	21 (8.0)	29 (11.0)
Yes	240 (92.0)	234 (89.0)
Prior lines of therapy in the metastatic setting (includes rapid progressors as one line of treatment) ^a , n (%)		
0	2 (0.8)	3 (1.1)
1	130 (49.8)	123 (46.8)
2	56 (21.5)	65 (24.7)
3	35 (13.4)	35 (13.3)
4	15 (5.7)	19 (7.2)
≥5	23 (8.8)	18 (6.8)
Prior cancer therapy ^b , %		
Trastuzumab	99.6	99.6
Pertuzumab	62.1	60.1
Other anti-HER2		
Anti-HER2 TKI	16.1	13.7
Other anti-HER2 antibody or ADC	0.8	1.1

TKI, tyrosine-kinase inhibitor.

ESMO2021

^aRapid progressors defined as progression within 6 mo of (neo)adjuvant therapy) or 12 mo if regimen contained pertuzumab. Line of therapy does not include endocrine therapy. ^bAll patients received at least 1 prior cancer therapy. One patient with prior T-DM1 treatment was enrolled in error in the T-DXd arm.

Primary Endpoint: PFS by BICR





T-DXd (261) 261 256 250 244 240 224 214 202 200 183 168 164 150 132 112 105 79 **T-DM1 (263)** 263 252 200 163 155 132 108 96

ESMO2021

Median PFS follow-up for T-DXd was 15.5 months (range, 15.1-16.6) and for T-DM1 was 13.9 months (range, 11.8-15.1) HR, hazard ratio; INV, investigator; mo, month; NE, not estimable; NR, not reached.

PFS in Key Subgroups

ESMO2021



		Number	of Events	Median PFS (mo, 95% Cl)			HR (95% CI)
		T-DXd	T-DM1	T-DXd	T-DM1		
All patients		87/261	158/263	NE (18.5-NE)	6.8 (5.6-8.2)	⊷ +	0.2840 (0.2165-0.3727)
Hormone Receptor	Positive (n = 272)	46/133	84/139	22.4 (17.7-NE)	6.9 (4.2-9.8)	HHH I	0.3191 (0.2217-0.4594)
Status	Negative (n = 248)	41/126	73/122	NE (18.0-NE)	6.8 (5.4-8.3)	⊷	0.2965 (0.2008-0.4378)
Prior Pertuzumab	Yes (n = 320)	57/162	98/158	NE (18.5-NE)	6.8 (5.4-8.3)	H H H	0.3050 (0.2185-0.4257)
Treatment	No (n = 204)	30/99	60/105	NE (16.5-NE)	7.0 (4.2-9.7)	H H H	0.2999 (0.1924-0.4675)
Visceral Disease	Yes (n = 384)	72/195	123/189	22.2 (16.5-NE)	5.7 (4.2-7.0)	1 0 -1	0.2806 (0.2083-0.3779)
	No (n = 140)	15/66	35/74	NE (NE-NE)	11.3 (6.8-NE)	••••	0.3157 (0.1718-0.5804)
Prior Lines of	0-1 (n = 258)	46/132	75/126	22.4 (17.9-NE)	8.0 (5.7-9.7)	Here I	0.3302 (0.2275-0.4794)
<u>Therapy</u> ∞	≥2 (n = 266)	41/129	83/137	NE (16.8-NE)	5.6 (4.2-7.1)	H 0 -1	0.2828 (0.1933-0.4136)
Brain Metastases	Yes (n = 114)	31/62	31/52	15.0 (12.6-22.2)	5.7 (2.9-7.1)	••••	0.3796 (0.2267-0.6357)
	No (n = 410)	56/199	127/211	NE (22.4-NE)	7.0 (5.5-9.7)	1 0 -1	0.2665 (0.1939-0.3665)
					0	0 05 10 15	
					0.	.0 0.5 1.0 1.5	2.0
						HR (T-DXd vs T-DN	И1)

Key Secondary Endpoint: OS



Patients Still at Risk:

T-DXd (261) 261 256 255 254 251 249 244 243 241 237 230 218 202 180 158 133 108 86 71 56 50 42 33 24 18 11 10 7 6 2 2 1 0 **T-DM1 (263)** 263 258 253 248 243 241 236 232 231 227 224 210 188 165 151 140 120 91 75 58 52 44 32 27 18 11 5 4 3 3 1 1 0

Early OS data with relatively few events (33 in the T-DXd arm, 53 in the T-DM1 arm)

 ^{a}P = .007172, but does not cross pre-specified boundary of *P* < .000265



Daiichi-Sankv

Confirmed ORR and Best Overall Response





ESMO2021

CR, complete response; DCR, disease control rate; PD, progressive disease; PR, partial response; SD, stable disease. ^aOnly subjects with measurable disease at baseline and at least one postbaseline target lesion assessment are included. ^bBased on BICR.

Red line at 20% indicates progressive disease; black line at -30% indicates partial response.



n (%)	T-DXd (n = 257)	T-DM1 (n = 261)
Any drug-related TEAE	252 (98.1)	226 (86.6)
Drug-related TEAE Grade ≥3	116 (45.1)	104 (39.8)
Serious drug-related TEAE	28 (10.9)	16 (6.1)
Drug-related TEAE associated with discontinuation	33 (12.8)	13 (5.0)
Drug-related TEAE associated with dose reduction	55 (21.4)	33 (12.6)
Drug-related TEAE associated with an outcome of death	0 (0.0)	0 (0.0)

- Median treatment duration was 14.3 months (range, 0.7-29.8) for T-DXd and 6.9 months (range, 0.7-25.1) for T-DM1
- The most common TEAE associated with treatment discontinuation for T-DXd was ILD/pneumonitis^a (8.2%) and for T-DM1 was thrombocytopenia^b (2.7%)
- The most common TEAEs associated with dose reduction for T-DXd were nausea (6.2%) and neutropenia^c (3.5%) and for T-DM1 were thrombocytopenia^b (4.2%) and ALT and AST increased (2.7% each)

ALT, alanine aminotransferase; AST, aspartate aminotransferase; ILD, interstitial lung disease; TEAE, treatment-related adverse event.

Relationship to study drug was determined by the treating investigator.

ESMO2021

aInterstitial lung disease includes events that were adjudicated as ILD and related to use of T-DXd or T-DM1 (includes cases of potential ILD/pneumonitis,

based on MedDRA v23.0 for the narrow ILD SMQ, selected terms from the broad ILD SMQ, and PTs of respiratory failure and acute respiratory failure). ^bThis category includes the preferred terms platelet count decreased and thrombocytopenia. ^cThis category includes the preferred terms neutrophil count decreased and neutropenia.

Drug-Related TEAEs in ≥20% of Patients



System Organ Class	T-DXd (n = 257)		T-DM1 (n = 261)
Preferred term, n (%)	Any Grade	Grade ≥3	Any Grade	Grade ≥3
Blood and lymphatic system disorders				
<u>Neutropenia^a</u>	110 (42.8)	49 (19.1)	29 (11.1)	8 (3.1)
Anemia ^b	78 (30.4)	15 (5.8)	37 (14.2)	11 (4.2)
<u>Leukopenia^c</u>	77 (30.0)	17 (6.6)	20 (7.7)	1 (0.4)
Thrombocytopeniad	64 (24.9)	18 (7.0)	135 (51.7)	65 (24.9)
Gastrointestinal disorders				
Nausea	187 (72.8)	17 (6.6)	72 (27.6)	1 (0.4)
Vomiting	113 (44.0)	4 (1.6)	15 (5.7)	1 (0.4)
Diarrhea	61 (23.7)	1 (0.4)	10 (3.8)	1 (0.4)
Constipation	58 (22.6)	0	25 (9.6)	0
General disorders				
<u>Fatigue^e</u>	115 (44.7)	13 (5.1)	77 (29.5)	2 (0.8)
Investigations				
AST increased	60 (23.3)	2 (0.8)	97 (37.2)	13 (5.0)
ALT increased	50 (19.5)	4 (1.6)	71 (27.2)	12 (4.6)
Metabolism and nutrition disorders				
Decreased appetite	67 (26.1)	3 (1.2)	33 (12.6)	0
Skin and subcutaneous tissue disorders				
Alopecia ^f	93 (36.2)	1 (0.4)	6 (2.3)	0

Most drug-related TEAEs were gastrointestinal or hematological in nature

Adverse events were managed according to the protocol.



^aThis category includes the preferred terms neutrophil count decreased and neutropenia. ^bThis category includes the preferred terms hemoglobin decreased, red blood cell count decreased, anemia, and hematocrit decreased. ^cThis category includes the preferred terms white blood cell count decreased and leukopenia. ^dThis category includes platelet count decreased and thrombocytopenia. ^eThis category includes the preferred terms fatigue, asthenia, and malaise. ^fGrade 1 alopecia: T-DXd = 26.5%, T-DM1 = 2.3%; grade 2, T-DXd = 9.3%.



Adjudicated as drug-related ILD/pneumonitis ^a , n (%)						
n (%)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
T-DXd (n = 257)	7 (2.7)	18 (7.0)	2 (0.8)	0	0	27 (10.5)
T-DM1 (n = 261)	4 (1.5)	1 (0.4)	0	0	0	5 (1.9)

• There were no grade 4 or 5 adjudicated drug-related ILD/pneumonitis events observed with T-DXd

LVEF decrease, n (%)						
n (%)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
T-DXd (n = 257)	1 (0.4) ^b	6 (2.3) ^c	0	0	0	7 (2.7)
T-DM1 (n = 261)	0	1 (0.4) ^c	0	0	0	1 (0.4)

 In the T-DXd arm, all reported adverse events of LVEF decrease were asymptomatic and no cases of cardiac failure occurred

Conclusions



In the first randomized phase 3 trial in breast cancer, T-DXd demonstrated:

Highly clinically meaningful and statistically significant improvement in PFS compared with T-DM1 in patients with HER2-positive mBC

- PFS HR of 0.28 (*P* = 7.8×10⁻²²)
- Consistent benefit seen across key subgroups and efficacy endpoints, with a confirmed ORR for T-DXd of 79.7% vs 34.2% for T-DM1 (CR, 16.1% vs 8.7%)

Encouraging OS trend at the time of first interim analysis

12-month OS rate for T-DXd was 94.1% vs 85.9% for T-DM1

A safety profile that is comparable between the 2 arms

- Similar rates of all grade and grade ≥3 drug-related TEAEs between arms
- There were no grade 4 or 5 ILD/pneumonitis events in either arm

These data support T-DXd becoming the standard of care for 2L HER2-positive mBC







◆ 規制当局への申請を2021年度第3四半期に予定

▶ 8月にFDA より リアルタイムオンコロジーレビュー* (RTOR)の対象に指定

◆ HER2陽性乳がんの早期治療ラインの開発に自信を得た

DESTINY-Breast09 (1次治療, フェーズ3)及び DESTINY-Breast05 (ネオア ジュバント治療後の残存浸潤性乳がん, フェーズ3) での臨床試験が進行中

*RTORは、患者さんが安全かつ効果的な治療をできるだけ早期に受けられるよう、より効率的な審査プロ セスの探求を目指しています。RTORにより、申請者が正式に完全な申請書を提出する前に、FDAが多く のデータを早期に審査することが可能となります。



Primary Data from DESTINY-Lung01: A Phase 2 Trial of Trastuzumab Deruxtecan (T-DXd) in Patients With *HER2*-Mutated (*HER2*m) Metastatic Non–Small Cell Lung Cancer (NSCLC)

Bob T. Li, MD, PhD, MPH^a, Egbert F. Smit, Yasushi Goto, Kazuhiko Nakagawa, Hibiki Udagawa, Julien Mazières, Misako Nagasaka, Lyudmila Bazhenova, Andreas N. Saltos, Enriqueta Felip, Jose M. Pacheco, Maurice Pérol, Luis Paz-Ares, Kapil Saxena, Ryota Shiga, Yingkai Cheng, Suddhasatta Acharyya, Javad Shahidi, David Planchard, Pasi A. Jänne

On behalf of the DESTINY-Lung01 investigators

^aMemorial Sloan Kettering Cancer Center, New York, NY, USA



High Unmet Medical Need in Patients with HER2m NSCLC



- HER2 mutations drive ~3% of nonsquamous NSCLC and are associated with slightly younger age, female sex, never-smoking history, a poor prognosis, and an increased incidence of brain metastasis¹⁻⁵
- There are no approved HER2-targeted therapies for patients with NSCLC⁶
 - HER2m status is not routinely assessed⁷, and this population is treated with standard chemotherapy and/or immunotherapy⁸⁻¹⁴
 - Efficacy in second- or later-line settings is limited (ORR, 7%-27%) 8-14

ESMO2021

 T-DXd is a HER2 antibody-drug conjugate^{15,16} approved in various countries worldwide for the treatment of metastatic HER2-positive breast and gastric cancers

DESTINY-Lung01 assessed the efficacy and safety of T-DXd in patients with *HER2*m NSCLC who had relapsed on or were refractory to standard treatment

In an interim analysis (data cutoff November 25, 2019), results showed promising T-DXd activity¹⁷ Results from the primary analysis of the fully enrolled cohort of patients with a *HER2* mutation are presented

HER2, human epidermal growth factor 2; *HER2*m, *HER2*-mutated; NSCLC, non-small cell lung cancer; ORR, objective response rate; T-Dxd, trastuzumab deruxtecan. 1. Stephens P et al. *Nature*. 2004;431:525-526; 2. Mazières J et al. *J Clin Oncol*. 2013;31:1997-2003; 3. Arcila ME et al. *Clin Cancer Res*. 2012;18:4910-4918; 4. Pillai RN et al. *Cancer*. 2017;123:4099-4105; 5. Offin M et al. *Cancer*. 2019;4380-4387; 6. Planchard D et al. *Ann Oncol*. 2018; iv192-iv237; 7. Pennell NA et al. *Am Soc Clin Oncol Educ Book*. 2019;(39):531-542. 8. Wu YL et al. *Ann Oncol*. 2019;30:171-210; 9. Kim SY et al. *Lung Cancer Manag*. 2020;9:LMT36; 10. Akamatsu H et al. *Int J Clin Oncol*. 2019;24:731-70; 11. Mazières J et al. *Ann Oncol*. 2016;27:281-286; 12. Mazières J et al. *Ann Oncol*. 2019;30:1321-1328; 13. Garon EB et al. *Lancet*. 2014;384:665-673; 14. Guisier F et al. *J Thorac Oncol*. 2020;15:628-636; 15. Nakada T et al. *Chem Pharm Bull* (Tokyo). 2019;67:173-185; 16. Ogitani Y et al. *Clin Cancer Res*. 2016;22:5097-5108; 17. Smit et al. *World Congress of Lung Cancer*. 2020.

DESTINY-Lung01 Study Design



Multicenter, international, 2-cohort phase 2 trial (NCT03505710)



Data cutoff: May 3, 2021

ESMO2021

- 91 patients with HER2m NSCLC were enrolled and treated with T-DXd
- 15 patients (16.5%) remain on treatment to date
- 76 patients (83.5%) discontinued, primarily for progressive disease (37.4%) and adverse events (29.7%)

^aPatients with asymptomatic brain metastases not requiring ongoing steroid or anticonvulsant therapy were allowed to enroll ^bHER2 mutation documented solely from a liquid biopsy could not be used for enrolment ^cHER2 overexpression without known HER2 mutation was assessed by local assessment of archival tissue and centrally confirmed ^dPer RECIST v1.1

DCR, disease control rate; DOR, duration of response; ECOG, Eastern Cooperative Oncology Group; HER2, human epidermal growth factor receptor 2; ICR, independent central review; IHC, immunohistochemistry; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PS, performance status; q3w, every 3 weeks; RECIST v1.1, Response Evaluation Criteria in Solid Tumours version 1.1.

Demographics and Baseline Characteristics



	T-DXd
	(N = 91)
Age, median (range), years	60.0 (29.0-88.0)
Female, %	65.9
Race, %	
Asian	34.1
White	44.0
Black	1.1
Other	20.9
Region, %	
Asia	25.3
Europe	36.3
North America	38.5
ECOG PS, %	
0 1	25.3 74.7
HER2 mutation, %	
Kinase domain	93.4
Extracellular domain	6.6
Asymptomatic CNS metastases at baseline, %	36.3
Smoking status, %	
Never Former Current	57.1 40.7 2.2
History of prior lung resection, %	22.0

ESMO2021

CNS, central nervous system.



	Patients (N = 91)
History of any prior systemic cancer therapy, n (%)	90 (98.9)
Prior lines of treatment, median (range)	2 (0-7) ^a
Prior treatment, n (%) Platinum-based therapy Anti–PD-(L)1 therapy Platinum-based and anti–PD-(L)1 therapy ^b Docetaxel HER2 TKI ^c	86 (94.5) 60 (65.9) 57 (62.6) 18 (19.8) 13 (14.3)

^aOne patient was enrolled without receiving prior cancer therapy

^bGiven separately or in combination

^cPatients previously treated with a HER2 antibody or an antibody-drug conjugate were ineligible, but those who previously

received a HER2 TKI such as afatinib, pyrotinib, or poziotinib were allowed

Confirmed ORR, Best Overall Response, and DoR



	Patients (N = 91)
Confirmed ORR ^a , n (%)	50 (54.9) (95% Cl, 44.2-65.4)
Best overall response, n (%) CR PR SD PD Not evaluable	1 (1.1) 49 (53.8) 34 (37.4) 3 (3.3) 4 (4.4)
DCR, n (%)	84 (92.3) (95% CI, 84.8-96.9)
Median <u>DoR</u> , months	9.3 (95% CI, 5.7-14.7)
Median follow up, months	13.1 (range, 0.7-29.1)

^aPrimary endpoint

ESMO2021 CR, complete response; DoR, duration of response; PD, progressive disease; PR, partial response; SD, stable disease.

Best Percentage Change of Tumor Size From Baseline

ESMO2021





^aBest change in tumor size by ICR for 85 of 91 patients for whom baseline and postbaseline data were available. Baseline is last measurement taken before enrollment. ^bThe OncomineTM Dx Target Test (Thermo Fisher Scientific) was used to confirm local HER2 mutation status and to determine HER2 amplification status. HER2 protein expression status was determined by immunohistochemistry using a modified PATHWAY anti-HER2 (4B5) (Ventana Medical Systems, Inc.) assay. Shown is best (minimum) percentage change from baseline in the sum of diameters for all target lesions; (-), negative; (+), positive; I, insertion; N, no; S, substitution; Y, yes. Blank cells (except for the prior HER2 TKI therapy row) indicate patients whose tumor samples were not evaluable or assessed. The upper dashed horizontal line indicates a 20% increase in tumor size in the patients who had disease progression and the lower dashed line indicates a 30% decrease in tumor size (partial response).

Response to T-DXd in Subgroups



	No. of Responders	Confirmed ORR (95% CI)	Confirmed ORR (95% CI)
All patients	50/91	54.9 (44.2-65.4)	_
HER2 mutation domain			
Kinase domain	49/85	57.6 (46.5-68.3)	
Prior treatment received			
Platinum-based therapy	46/86	53.5 (42.4-64.3)	_
Platinum-based therapy and anti-PD-(L)1 therapy ^a	37/57	64.9 (51.1-77.1)	
Asymptomatic CNS metastasis at baseline ^b			
Yes	18/33	54.5 (36.4-71.9)	
No	32/58	55.2 (41.5-68.3)	
^a Given separately or in combination			0% 20% 40% 60% 80% 100%

^bPatients had asymptomatic brain metastases not requiring ongoing steroid or anticonvulsant therapy

Percentage Change of Tumor Size Over Time



ESMO2021



Progression-free Survival and Overall Survival





Median follow-up was 13.1 months (range, 0.7-29.1)

PFS assessed by ICR using RECIST v1.1., the median was based on Kaplan-Meier estimate, and 95% CI for median was computed using the Brookmeyer-Crowley method, and dashed lines indicate the 95% CI. Of 91 patients, 41 had progressive disease and 15 had died by the data cutoff date. Data for 35 patients were censored as indicated by tick marks; patients were censored if they discontinued treatment.

Median follow-up was 13.1 months (range, 0.7-29.1 months)

Dashed lines indicate the 95% CI. Of 91 patients, 47 had died by the data cutoff date. Data for 44 patients were censored as indicated by tick marks; patients were censored if they discontinued treatment.
Overall Safety Summary



n (%)	Patients (N = 91)
Any drug-related TEAE	88 (96.7)
Drug-related TEAE Grade ≥3	42 (46.2)
Serious drug-related TEAE	18 (19.8)
Drug-related TEAE associated with discontinuation ^a	23 (25.3)
Drug-related TEAE associated with dose reduction	31 (34.1)
Drug-related TEAE associated with an outcome of death	2 (2.2) ^c

- Median treatment duration was 6.9 months (range, 0.7-26.4 months)
- The most common drug-related TEAEs associated with treatment discontinuation were investigator-reported pneumonitis (13.2%) and ILD (5.5%)
- The most common drug-related TEAEs associated with dose reduction were nausea (11.0%) and fatigue (8.8%)



Relationship to study drug was determined by the treating investigator. ^aPneumonitis (n = 12) and interstitial lung disease (n = 5) were among the drug-related TEAEs associated with discontinuation. ^b1 patient experienced grade 3 ILD as reported by investigator and died. The reported ILD was subsequently adjudicated as grade 5 by the interstitial lung disease adjudication committee. ILD, interstitial lung disease; TEAE, treatment-emergent adverse event.

Drug-related TEAEs Reported by Investigator



	Patients (N = 91)							
n (%)	Any grade	Grade ≥3						
Patients with ≥1 drug-related TEAEs	88 (96.7)	42 (46.2)						
Drug-related TEAEs with ≥20% incidence in all patients								
Nausea	66 (72.5)	8 (8.8)						
Fatigue ^a	48 (52.7)	6 (6.6)						
Alopecia	42 (46.2)	0						
Vomiting	36 (39.6)	3 (3.3)						
Neutropenia ^b	32 (35.2)	17 (18.7)						
Anemia ^c	30 (33.0)	9 (9.9)						
Diarrhea	29 (31.9)	3 (3.3)						
Decreased appetite	27 (29.7)	0						
Leukopenia ^d	21 (23.1)	4 (4.4)						
Constipation	20 (22.0)	0						

^aThis category includes the preferred terms fatigue, asthenia, and malaise.

^bThis category includes the preferred terms neutrophil count decreased and neutropenia.

^cThis category includes the preferred terms hemoglobin decreased, red blood cell count decreased, anemia, and hematocrit decreased. ^dThis category includes the preferred terms white blood cell count decreased and leukopenia.

Adjudicated Drug-Related ILD



	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
n (%)	3 (3.3)	15 (16.5)	4 (4.4)	0	2 (2.2)	24 (26.4)

- The median time to onset of first reported drug-related ILD/pneumonitis was 141 days (range, 14-462 days), with a median duration of 43 days (95% CI, 24-94 days)
- 75% of adjudicated drug-related ILD/pneumonitis^a cases were of low grade (Grade 1/2)
- 21 of 24 patients with adjudicated drug-related ILD/pneumonitis received ≥1 dose of glucocorticoids.
 However, not all glucocorticoid treatment was administered per the ILD/pneumonitis management guidelines^b
- At the time of data cutoff, 54% (13/24) of investigator-reported cases had fully resolved

ESMO2021

^aDrug-related ILD/pneumonitis was determined by the Independent Adjudication Committee based on the current MedDRA version for the narrow ILD standard MedDRA query (SMQ), selected terms from the broad ILD SMQ, and respiratory failure and acute respiratory failure. ^bEvents of ILD/pneumonitis in the present study were actively managed based on the protocol-defined ILD/pneumonitis management guidelines.

Conclusions



- T-DXd demonstrated robust and durable anticancer activity in patients with previouslytreated HER2m NSCLC
 - Efficacy was consistently observed across subgroups, including in those patients with stable CNS metastases
 - Exploratory analyses demonstrated anticancer activity across different *HER2* mutation subtypes, as well as in patients with no detectable HER2 expression or *HER2* gene amplification
- Overall, the safety profile was consistent with previously reported studies
 - Most adjudicated drug-related ILD/pneumonitis cases were of low grade
 - ILD/pneumonitis remains an important identified risk. Effective early detection and management are critical in preventing high-grade ILD/pneumonitis
- The 5.4 mg/kg dose is being explored in future studies to evaluate the optimal dosing regimen in patients with HER2m NSCLC (DESTINY-Lung02; NCT04644237)
- DESTINY-Lung01 provides compelling evidence of positive benefit/risk balance with T-DXd in the 2L+ setting and supports its establishment as a potential new treatment standard







♦ HER2変異 非小細胞肺がんにおける2次治療以降の申請戦略について、 当局と協議を進めている

◆ DESTINY-Lung04 を2021年度 第3四半期に開始予定

▶ HER2エクソン19または20の変異を有する治癒切除不能な局所進行性または 転移性の非小細胞肺がん患者を対象とした1次治療でのフェーズ3試験

ENHERTU®: Clinical Development Plan | Breast cancer



As of Sep	2021		FY2020	FY2021	FY2022	Planning					
		Metastatic	DESTINY-Breast01 completed								
		3L~	DESTINY-B	DESTINY-Breast02 monotherapy vs PC							
		Metastatic	DESTINY-Breast03 monother	apy vs T-DM1							
		2L		DESTINY Broast07 combinat	tion (21/11) Dh1h/2						
HER2 Positive Metastatic 1L		Metastatic									
		1L		DESTINY-Breast09 T-	DXd ± pertuzumab vs THP						
Post-neoadjuvant											
Neoadjuvant		Neoadjuvant				Phase 3					
		Adjuvant				Phase 3					
		Metastatic Post	DESTINY-Breast04								
	HR+ HR-	Chemo									
		Post-neoadjuvant				Phase 3					
HER2		Metastatic Chemo Naive	DES	STINY-Breast06 monotherap	y vs PC						
LOW HK+		Metastatic Endocrine Therapy				Phase 3					
	HR-	Metastatic 1L	BEGONIA	durvalumab combination Ph	1b/2 (Arm 6)						
		Neoadjuvant				Phase 3					

 Ph 1 ongoing
 Ph 2 ongoing
 Ph 3 ongoing
 New
 Completed

Study initiation & end points are all shown as either beginning of 1H or 2H PC: physician's choice

ENHERTU®: Clinical Development Plan | Gastric cancer & NSCLC



As of Sep	o 2021		FY2020	FY2021		FY2022	Planning			
		Advanced/ Metastatic 3L~	DESTINY-Gastric01		DESTINY-Gas	stric06 China Ph2				
			DESTINY-Gastric02 monoth	erapy - West						
Gastric	HER2 Positive	Advanced/ Metastatic 2L		DESTINY-G	iastric04 mono	vs ramucirumab+paclitaxel				
			DECTIN							
		Advanced/ Metastatic 1L	DESTIN		idination (2L/ IL	_) Ph10/2	Phase 3			
		Advanced/ Metastatic 2L~	DESTINY-Lung01 mono	otherapy						
			H	HUDSON durvalumab combination						
	HER2 Expressing	Advanced/ Metastatic 2L					Phase 3			
		Advanced/ Metastatic 1L			DESTINY-Lung	03 combination				
NSCLC							Phase 3			
		Advanced/	DESTINY-Lung01 mono	otherapy						
	HER2	Metastatic 2L~		DESTIN	Y-Lung02 mono	otherapy				
	Wutated	Advanced/ Metastatic 1L			DEST	INY-Lung04 Ph3 vs SOC				
	Expressing /Mutated	Early disease					Phase 3			
Ph 1 ongoin	Ph 2 ongo	ing Ph 3 ongoing	New Completed							

Ph 1 ongoing Ph 3 ongoing

Study initiation & end points are all shown as either beginning of 1H or 2H

NSCLC: non small cell lung cancer

ENHERTU®: Clinical Development Plan | CRC & other tumors



As of June 2021		FY2020		FY2021		FY2022		Planning	
		Metastatic 3L	DESTINY-CRC0	1 monotherapy		DESTINY-CRC0	2 monotherapy		
CRC Express ing	Express	Metastatic 2L							Phase 3
	ing	Metastatic 1L							Phase 3
		R2 Metastatic	Nivol	umab combinatio	on (breast, blade				
Other	HER2			Pembrolizumab combination (breast, NSCLC)					
Tumors/	ing				DES	TINY-PanTumo			
tumors		Ovarian							Phase 2
	HER2 Mutated	Metastatic 2L			DES	TINY-PanTumo	r01		

Ph 1 ongoing Ph 2 ongoing Ph 3 ongoing New Completed

Study initiation & end points are all shown as either beginning of 1H or 2H

CRC: colorectal cancer, NSCLC: non small cell lung cancer



A Phase 1/2 Multicenter, First-in-Human Study of DS-7300 (B7-H3 DXd-ADC) in Patients (pts) With Advanced Solid Tumors

Melissa L. Johnson,^{1,2} Toshihiko Doi,³ Sarina A. Piha-Paul,⁴ Shiraj Sen,⁵ Toshio Shimizu,⁶ Ben Cheng,⁷ Naoto Yoshizuka,⁷ Naoko Okamoto,⁸ Yasuyuki Okuda,⁸ Xiaozhong Qian,⁷ Gul Serbest,⁷ Tracey Hammett,¹ William E. Brady,¹ Johanna C. Bendell,^{1,2} Manish R. Patel^{1,9}

¹Sarah Cannon Research Institute, Nashville, TN; ²Tennessee Oncology, PLLC, Nashville, TN; ³National Cancer Center Hospital East, Chiba, Japan; ⁴The University of Texas MD Anderson Cancer Center, Houston, TX; ⁵Denver DDU, Sarah Cannon Research Institute at HealthONE, Denver, CO; ⁶National Cancer Center Hospital, Tokyo, Japan; ⁷Daiichi Sankyo, Inc, Basking Ridge, NJ; ⁸Daiichi Sankyo, Co., Ltd, Tokyo, Japan; ⁹Florida Cancer Specialists, Sarasota, FL



Background and Rationale



- B7 homologue 3 (B7-H3, CD276) is a transmembrane protein overexpressed in various cancers, including lung, prostate, esophageal, and breast cancers, and head and neck squamous cell carcinoma (HNSCC)¹⁻⁴
 - B7-H3 overexpression is associated with poor prognosis^{1,2,4}



Ad, adenocarcinoma; Eso, esophageal cancer; HCC, hepatocellular carcinoma; HNSCC, head and neck squamous cell carcinoma; NSCLC, non-small cell lung cancer; RCC, renal cell carcinoma; Sq, squamous cell carcinoma

1. Yamoto M, et al. EORTC-NCI-AACR 2020. Abstract 28. 2. Dong P, et al. Front Oncol. 2018;8:264. 3. Picarda E, et al. Clin Cancer Res. 2016;22(14):3425-3431. 4. Bendell JC, et al. J Clin Oncol. 2020;39(15 suppl 1). Abstract 2020.

Background and Rationale: DS-7300



Payload mechanism of action: topoisomerase I inhibitor ^{a,1-5}

High potency of payload a,2-5

Optimized drug-to-antibody ratio ^{a,c,1-}

Payload with short systemic half-life a,c,2,3

Stable linker-payload a,2,3,5

Tumor-selective cleavable linker^{a,2-6}

Bystander antitumor effect a,2,7

ESMO2021



^a The clinical relevance of these features is under investigation. ^b Image is for illustrative purposes only; actual drug-to-antibody ratio and drug positions may vary. ^c Based on animal data. **1.** Okajima D, et al. Poster presented at: AACR-NCI-EORTC International Conference; October 26-30, 2019; Boston, MA. Abstract C026. **2.** Nakada T, et al. *Chem Pharm Bull* (Tokyo).
2019;67(3):173-185. **3.** Ogitani Y, et al. *Clin Cancer Res.* 2016;22(20):5097-5108. **4.** Hashimoto Y, et al. *Clin Cancer Res.* 2019;25(23):7151-7161. **5.** Koganemaru S, et al. *Mol Cancer Ther.* 2019;18(11):2043-2050. **6.** Haratani K, et al. *J Clin Invest.* 2020;130(1):374-388. **7.** Ogitani Y, et al. *Cancer Sci.* 2016;107(7):1039-1046.

A Multicenter, Open-Label, 2-Part, Multiple-Dose, First-in-Human, Phase 1/2 Study of DS-7300



NCT04145622



Key primary endpoints (Dose escalation):

- DLTs, SAEs, TEAEs, AESIs
- · Here, we report initial results from the dose-escalation portion of the trial

AESI, adverse event of special interest; BC, breast cancer; CRPC, castration-resistant prostate cancer; DLT, dose-limiting toxicity; ECOG PS, Easter Cooperative Oncology Group performance status; ESCC, esophageal squamous cell carcinoma; HNSCC, head and neck squamous cell carcinoma; IV, intravenous; mCRPC, metastatic castration-resistant prostate cancer; MTD, maximum tolerated dose; NSCLC, non-small cell lung cancer; Q3W, every 3 weeks; RDE, recommended dose for expansion; SAE, serious adverse event; SCLC, small cell lung cancer; TEAE, treatment-emergent adverse event



Results: Baseline Demographics and Disease Characteristics



				DS-7300	Dose Level				
	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total (N=70)
Male, n (%)	3 (60)	4 (80)	5 (71.4)	3 (60)	7 (87.5)	11 (91.7)	17 (81)	5 (71.4)	55 (78.6)
Age, median (range), years	64 (46-67)	69 (35-73)	66 (41-77)	59 (56-60)	59.5 (44-74)	68 (56-77)	69 (43-82)	57 (53-70)	65 (35-82)
≥65 years, n (%)	2 (40)	3 (60)	5 (71.4)	0	3 (37.5)	9 (75)	14 (66.7)	1 (14.3)	37 (52.9)
ECOG PS, n (%)									
0	4 (80)	3 (60)	4 (57.1)	3 (60)	4 (50)	2 (16.7)	6 (28.6)	3 (42.9)	29 (41.4)
1	1 (20)	2 (40)	3 (42.9)	2 (40)	4 (50)	10 (83.3)	15 (71.4)	4 (57.1)	41 (58.6)
Cancer type, n (%)									
CRPC	0	1 (20)	1 (14.3)	0	4 (50)	5 (41.7)	12 (57.1)	1 (14.3)	24 (34.3)
HNSCC	1 (20)	1 (20)	3 (42.9)	0	1 (12.5)	1 (8.3)	3 (14.3)	2 (28.6)	12 (17.1)
Sarcoma	2 (40)	1 (20)	1 (14.3)	0	1 (12.5)	1 (8.3)	1 (4.8)	1 (14.3)	8 (11.4)
SCLC	0	0	1 (14.3)	0	1 (12.5)	2 (16.7)	3 (14.3)	1 (14.3)	8 (11.4)
Endometrial cancer	0	1 (20)	0	1 (20)	0	0	1 (4.8)	1 (14.3)	4 (5.7)
ESCC	1 (20)	0	0	1 (20)	0	2 (16.7)	0	0	4 (5.7)
Squamous NSCLC	0	0	1 (14.3)	1 (20)	0	0	1 (4.8)	1 (14.3)	4 (5.7)
Breast cancer	1 (20)	0	0	1 (20)	0	0	0	0	2 (2.9)
Melanoma	0	1 (20)	0	1 (20)	0	0	0	0	2 (2.9)
Bladder cancer	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Prior lines of therapy, median	4	3	3	5	5	4	5	4	4
(range)	(2-6)	(2-10)	(1-7)	(3-6)	(2-7)	(2-9)	(1-8)	(2-8)	(1-10)

Data cutoff July 21, 2021

ECOG PS, Eastern Cooperative Oncology Group performance status; ESCC, esophageal squamous cell carcinoma; HNSCC, head and neck squamous cell carcinoma; NSCLC, non-small cell lung cancer; SCLC, small cell lung cancer

Results: Summary of Overall Safety

Daiichi-Sankyo

- No DLTs^a were observed in dose escalation
- All-grade AESIs of ILD/pneumonitis or IRRs occurred in 2 (2.9%) and 28 patients (40%), respectively; no hepatotoxicity occurred
- One case of grade 5 ILD (adjudicated as treatment related) occurred at 16 mg/kg and 1 case of grade 1 ILD (pending adjudication) occurred at 12 mg/kg

		DS-7300									
Patients, n (%)	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total (N=70)		
Tx duration, median (range), weeks	13 (6-33)	12 (9-47.9)	12 (6-18)	12.1 (6-18)	17.1 (6-37)	21.1 (5.9-44)	14.9 (3-36)	6 (3-21.9)	13.1 (3-47.9)		
TEAEs ^b	4 (80)	5 (100)	7 (100)	5 (100)	8 (100)	12 (100)	21 (100)	7 (100)	69 (98.6)		
Grade ≥3 TEAEs⁵	0	0	1 (14.3)	1 (20)	1 (12.5)	5 (41.7)	9 (42.9)	5 (71.4)	22 (31.4)		
Serious TEAEs ^b	1 (20)	0	2 (28.6)	1 (20)	1 (12.5)	3 (25)	4 (19.0)	3 (42.9)	15 (21.4)		
TEAEs leading to death ^b	0	0	0	0	0	1 (8.3)	0	1 (14.3)	2 (2.9)		
TEAEs leading to Tx discontinuation	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)		
AESIs ^b Infusion-related reactions Interstitial lung disease	1 (20) 0	0 0	1 (14.3) 0	3 (60) 0	4 (50) 0	4 (33.3) 0	11 (52.4) 1 (4.8)	4 (57.1) 1 (14.3)	28 (40) 2 (2.9)		

Data cutoff July 21, 2021

AESI, adverse event of special interest; ILD, interstitial lung disease; IRR, infusion-related reaction; TEAE, treatment-emergent adverse event; Tx, treatment.

^a A DLT is defined as any TEAE that occurs during the DLT evaluation period excluding toxicities clearly related to disease progression or intercurrent illness and is grade ≥3 according to NCI-CTCAE Version 5.0. ^b Regardless of causality.

Results: Most Common TEAEs (Any Grade)



The most common TEAEs of any grade included nausea, IRRs, vomiting, and decreased appetite
 All IRPs were grade <2

All IRRs were grade ≤2

				-				-	
TEAEs, n (%)	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total N=70
Any TEAE	4 (80)	5 (100)	7 (100)	5 (100)	8 (100)	12 (100)	21 (100)	7 (100)	69 (98.6)
Nausea	3 (60)	1 (20)	3 (42.9)	2 (40)	3 (37.5)	6 (50)	16 (76.2)	5 (71.4)	39 (55.7)
IRR	1 (20)	0	1 (14.3)	3 (60)	4 (50)	4 (33.3)	11 (52.4)	4 (57.1)	28 (40)
Vomiting	2 (40)	1 (20)	2 (28.6)	0	1 (12.5)	5 (41.7)	7 (33.3)	1 (14.3)	19 (27.1)
Decreased appetite	1 (20)	1 (20)	3 (42.9)	1 (20)	3 (37.5)	3 (25)	6 (28.6)	2 (28.6)	20 (28.6)
Dehydration	0	1 (20)	1 (14.3)	0	1 (12.5)	2 (16.7)	3 (14.3)	0	8 (11.4)
Diarrhea	0	0	1 (14.3)	0	0	2 (16.7)	5 (23.8)	0	8 (11.4)
Chills	0	0	1 (14.3)	0	0	3 (25)	5 (23.8)	0	9 (12.9)
Fatigue	1 (20)	1 (20)	2 (28.6)	0	2 (25)	1 (8.3)	8 (38.1)	0	15 (21.4)
Pyrexia	1 (20)	2 (40)	2 (28.6)	0	0	3 (25)	1 (4.8)	0	9 (12.9)

Most Common (Occurring in ≥10% of All Patients) Treatment-Emergent Adverse Events (Any Grade), Regardless of Causality

Data cutoff July 21, 2021

Results: Grade ≥3 TEAEs



- The most common grade ≥3 TEAEs were anemia and lymphocyte count decreased
- The only Grade ≥3 treatment-related AEs were anemia (n=6), lymphocyte count decreased (n=2), neutropenia, asthenia, neutrophil count decreased, and ILD (n=1 each)

Grade ≥3 TEAEs, n (%)	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total N=70
Anemia	0	0	0	0	1 (12.5)	3 (25)	5 (23.8)	2 (28.6)	11 (15.7)
Lymphocyte count decreased	0	0	0	0	0	0	2 (9.6)	0	2 (2.8)
Interstitial lung disease	0	0	0	0	0	0	1 (14.3)	0	1 (1.4)
Febrile neutropenia	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Asthenia	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Blood creatinine increased	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
QT prolonged	0	0	1 (14.3)	0	0	0	0	0	1 (1.4)
Neutropeniaª	0	0	0	0	0	0	2 (9.6)	0	2 (2.8)
Dehydration	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Hypercalcemia	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Osteoarthritis	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Dyspnea	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Нурохіа	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Pleural effusion	0	0	0	1 (20)	0	0	0	0	1 (1.4)
Arterial thrombosis	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Myelosuppression	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
COVID-19	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Sepsis	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Urinary tract infection	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Wound infection	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Cancer pain	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Encephalopathy	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Ureteric obstruction	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Embolism arterial	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)

Grade ≥3 Treatment-Emergent Adverse Events, Regardless of Causality

Data cutoff July 21, 2021. Includes neutrophil count decreased

Results: Initial Efficacy (Dose Escalation)



- Among 70 patients enrolled, 15 partial responses were observed^a
- 32 patients had stable disease, including 24 patients ongoing on study treatment

Summary of Efficac	y in Dose Escalation ((per RECIST v1.1)
--------------------	------------------------	-------------------

		DS-7300											
Patients, n	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total (N=70)				
Best response													
CR	0	0	0	0	0	0	0	0	0				
PR ^a	0	0	0	2	3	3	5	2	15 🔶				
SD	4	4	3	1	2	5	12	1	32				
PD	1	1	4	2	2	4	1	2	17				
<u>NE</u> ^b	0	0	0	0	1	0	3	2	6				

Data cutoff July 21, 2021

^a Total confirmed and unconfirmed PRs was 10 and 5, respectively; unconfirmed partial responses are still ongoing. ^b Not evaluable per RECIST v 1.1. CR, complete response; PD, progressive disease; NE, not evaluable; PR, partial response; SD, stable disease



Results: Initial Efficacy (Dose Escalation Cohorts)



ESMO2021



Conclusions



- In this first-in-human trial of single-agent DS-7300, a novel B7-H3 ADC, no DLTs were observed, and DS-7300 was generally well tolerated across all doses investigated to date in heavily pretreated patients with advanced solid tumors
- 15 PRs, including 10 confirmed and 5 unconfirmed, were observed in RECIST-evaluable patients at various doses during dose escalation
- Dose expansion of the study (part 2) is open and currently enrolling patients with select solid tumor types, including SCLC, ESCC, and mCRPC, to further evaluate DS-7300 efficacy, safety, and tolerability





 本日発表のデータは、がん患者さんの治療を変革する医薬品の創出 において当社のリーダーシップが強まっていることを示すと共に、 複数のがんに対する当社独自のADC技術の強みを実証し続けている。
 研究開発ポートフォリオ全体のアップデートを、 R&D day(12月14日開催)で予定しています。







第一三共グループは世界中の人々の 健康で豊かな生活に貢献してまいります





ESMO/WCLC 発表

DESTINY-Breast03 DESTINY-Breast01 DESTINY-Lung01 DESTINY-Gastric02 TROPION-PanTumor01 非小細胞肺がん コホート TROPION-PanTumor01 アクショナブル遺伝子変異を有する 非小細胞肺がんサブ解析 DS-7300 フェーズ1/2





Trastuzumab Deruxtecan (T-DXd) vs Trastuzumab Emtansine (T-DM1) in Patients With HER2+ Metastatic Breast Cancer: Results of the Randomized, Phase 3 Study DESTINY-Breast03

Javier Cortés, MD^a, Sung-Bae Kim, Wei-Pang Chung, Seock-Ah Im, Yeon Hee Park, Roberto Hegg, Min-Hwan Kim, Ling-Ming Tseng, Vanessa Petry, Chi-Feng Chung, Hiroji Iwata, Erika Hamilton, Giuseppe Curigliano, Binghe Xu, Caleb Lee, Yali Liu, Jillian Cathcart, Emarjola Bako, Sunil Verma, Sara Hurvitz On behalf of the DESTINY-Breast03 investigators

^aMedical Oncology, International Breast Cancer Center (IBCC), Quironsalud Group, and Vall d'Hebron Institute of Oncology (VHIO), Barcelona, Spain; Universidad Europea de Madrid, Faculty of Biomedical and Health Sciences, Department of Medicine, Madrid, Spain.



Progress Has Been Made in HER2+ mBC, yet Unmet Need Persists



2L+

ESMO2021

Trastuzumab + pertuzumab + taxane, CLEOPATRA: mPFS = 18.7 months¹

T-DM1, EMILIA:

mPFS = 9.6 mo^3



- EMILIA trial established T-DM1 as 2L+ standard-of-care
- In the changing treatment landscape, more recent clinical trials and real-world studies have demonstrated mPFS outcomes with T-DM1 in the range of 6-7 months^{2,4-7}
 - mPFS for T-DM1 in the randomized KATE2 was 6.8 months (2020)⁴

3L+ **DESTINY-Breast01:** mPES = 19.4 months⁸

 T-DXd demonstrated robust activity in a 3L+ phase 2 single arm study, leading to regulatory approvals globally^{2,8}

Given these data, T-DXd was evaluated in a head-to-head trial versus T-DM1 in previously treated HER2+ mBC



1. Swain SM et al. N Engl J Med. 2015;372:724-34. 2. Perez J et al. Expert Opin Biol Ther. 2021;21:811-24. 3. Verma S et al. N Engl J Med. 2012;367:1783-91. 4. Emens LA et al. Lancet Oncol. 2020;21:1283-95. 5. Daniels et al. Breast. 2021;58:106-12. 6. Lupichuk S et al. Breast Cancer (Auckl). 2019;13:1178223419879429. 7. Vici P et al. Oncotarget. 2017;8:56921-56931. 8. Modi S et al. Presented at San Antonio Breast Cancer Symposium. 2020. Poster PD3-06.

ADC Characteristic Differences Between T-DXd and T-DM1



Trastuzumab deruxtecan (T-DXd)¹

ESMO2021

T-DXd ^{1-4,a}	ADC Attributes	T-DM1 ³⁻⁵
Topoisomerase I inhibitor	Payload MoA	Anti-microtubule
~8:1	Drug-to-antibody ratio	~3.5:1
Yes	Tumor-selective cleavable linker?	No
Yes	Evidence of bystander anti-tumor effect?	No

Trastuzumab emtansine (T-DM1)⁵

ADC, antibody-drug conjugate; MoA, mechanism of action.

^aThe clinical relevance of these features is under investigation.

1. Nakada T et al. Chem Pharm Bull (Tokyo). 2019;67:173-85. 2. Ogitani Y et al. Clin Cancer Res. 2016;22:5097-108. 3. Trail PA et al. Pharmacol Ther. 2018;181:126-42.

4. Ogitani Y et al. Cancer Sci. 2016;107:1039-46. 5. LoRusso PM et al. Clin Cancer Res. 2011;17:6437-47.

DESTINY-Breast03: First Randomized Ph3 Study of T-DXd



An open-label, multicenter study (NCT03529110)

Patients

- Unresectable or metastatic HER2-positive^a breast cancer
- Previously treated with trastuzumab and taxane in advanced/metastatic setting^b
- Could have clinically stable, treated brain metastases

Stratification factors

- Hormone receptor status
- Prior treatment with pertuzumab
- History of visceral disease



Primary endpoint

PFS (BICR)

Key secondary endpoint OS

Secondary endpoints

- ORR (BICR and investigator)
- DOR (BICR)
- PFS (investigator)
- Safety

Interim analysis for PFS (data cutoff: May 21, 2021)

- Efficacy boundary for superiority: *P* < 0.000204 (based on 245 events)
- IDMC recommendation to unblind study (July 30, 2021)

Key secondary endpoint, OS: boundary for efficacy: P < 0.000265 (based on 86 events)

ESMO2021

BICR, blinded independent central review; DOR, duration of response; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; Ph3, phase 3; Q3W, every 3 weeks. ^aHER2 IHC3+ or IHC2+/ISH+ based on central confirmation. ^bProgression during or <6 months after completing adjuvant therapy involving trastuzumab and taxane

Patient Disposition





Median follow up for T-DXd was 16.2 months and for T-DM1 was 15.3 months



Baseline Characteristics



	T-DXd	T-DM1
	(n = 261)	(n = 263)
Age, median (range), years	54.3 (27.9-83.1)	54.2 (20.2-83.0)
Female, %	99.6	99.6
Region, %		
Europe	20.7	19.0
Asia	57.1	60.8
North America	6.5	6.5
Rest of world	15.7	13.7
HER2 status (IHC ^a , %)		
3+	89.7	88.2
2+ (ISH amplified)	9.6	11.4
1+ Not Evaluable Not Examined	0.4 0.4 0	0 0.4 0
ECOG PS, %		
0 1 Missing	59.0 40.6 0.4	66.5 33.1 0.4
Hormone receptor, %		
Positive Negative	50.2 49.8	51.0 49.0
Brain metastases, %		
Yes No	23.8 76.2	19.8 80.2
Visceral disease, %		
Yes No	70.5 29.5	70.3 29.7



ECOG PS, Eastern Cooperative Oncology Group performance status; IHC, immunohistochemistry; ISH, in situ hybridization. ^aHER2-status as evaluated by central lab.

Prior Therapies



	T-DXd (n = 261)	T-DM1 (n = 263)
Prior Treatment for mBC, n (%)		
No	21 (8.0)	29 (11.0)
Yes	240 (92.0)	234 (89.0)
Prior lines of therapy in the metastatic setting (includes rapid progressors as one line of treatment) ^a , n (%)		
0	2 (0.8)	3 (1.1)
1	130 (49.8)	123 (46.8)
2	56 (21.5)	65 (24.7)
3	35 (13.4)	35 (13.3)
4	15 (5.7)	19 (7.2)
≥5	23 (8.8)	18 (6.8)
Prior cancer therapy ^b , %		
Trastuzumab	99.6	99.6
Pertuzumab	62.1	60.1
Other anti-HER2		
Anti-HER2 TKI	16.1	13.7
Other anti-HER2 antibody or ADC	0.8	1.1

TKI, tyrosine-kinase inhibitor.

ESMO2021

^aRapid progressors defined as progression within 6 mo of (neo)adjuvant therapy) or 12 mo if regimen contained pertuzumab. Line of therapy does not include endocrine therapy. ^bAll patients received at least 1 prior cancer therapy. One patient with prior T-DM1 treatment was enrolled in error in the T-DXd arm.

Primary Endpoint: PFS by BICR





T-DXd (261) 261 256 250 244 240 224 214 202 200 183 168 164 150 132 112 105 79 **T-DM1 (263)** 263 252 200 163 155 132 108 96

ESMO2021

Median PFS follow-up for T-DXd was 15.5 months (range, 15.1-16.6) and for T-DM1 was 13.9 months (range, 11.8-15.1) HR, hazard ratio; INV, investigator; mo, month; NE, not estimable; NR, not reached.

Secondary Endpoint: PFS by Investigator Assessment





Daiichi-Sankvo

PFS in Key Subgroups

ESMO2021



		Number of Events Median PFS (mo, 95% C		no, 95% CI)		HR (95% CI)	
		T-DXd	T-DM1	T-DXd	T-DM1		
All patients		87/261	158/263	NE (18.5-NE)	6.8 (5.6-8.2)	₩ 1	0.2840 (0.2165-0.3727)
Hormone Receptor Status	Positive (n = 272)	46/133	84/139	22.4 (17.7-NE)	6.9 (4.2-9.8)	H H 1	0.3191 (0.2217-0.4594)
	Negative (n = 248)	41/126	73/122	NE (18.0-NE)	6.8 (5.4-8.3)	Here I	0.2965 (0.2008-0.4378)
Prior Pertuzumab	Yes (n = 320)	57/162	98/158	NE (18.5-NE)	6.8 (5.4-8.3)	HO-H	0.3050 (0.2185-0.4257)
Treatment	No (n = 204)	30/99	60/105	NE (16.5-NE)	7.0 (4.2-9.7)	H H H	0.2999 (0.1924-0.4675)
Visceral Disease	Yes (n = 384)	72/195	123/189	22.2 (16.5-NE)	5.7 (4.2-7.0)	H H	0.2806 (0.2083-0.3779)
	No (n = 140)	15/66	35/74	NE (NE-NE)	11.3 (6.8-NE)	••••	0.3157 (0.1718-0.5804)
Prior Lines of	0-1 (n = 258)	46/132	75/126	22.4 (17.9-NE)	8.0 (5.7-9.7)	He-H	0.3302 (0.2275-0.4794)
<u>Therapy</u> ≈	≥2 (n = 266)	41/129	83/137	NE (16.8-NE)	5.6 (4.2-7.1)	H H -1	0.2828 (0.1933-0.4136)
Brain Metastases	Yes (n = 114)	31/62	31/52	15.0 (12.6-22.2)	5.7 (2.9-7.1)	••••	0.3796 (0.2267-0.6357)
	No (n = 410)	56/199	127/211	NE (22.4-NE)	7.0 (5.5-9.7)	•••	0.2665 (0.1939-0.3665)
						0 05 10 15	
					0.		2.0
						HR (I-DXd vs I-DM1)	

Key Secondary Endpoint: OS



Patients Still at Risk:

T-DXd (261) 261 256 255 254 251 249 244 243 241 237 230 218 202 180 158 133 108 86 71 56 50 42 33 24 18 11 10 7 6 2 2 1 0 **T-DM1 (263)** 263 258 253 248 243 241 236 232 231 227 224 210 188 165 151 140 120 91 75 58 52 44 32 27 18 11 5 4 3 3 1 1 0

Early OS data with relatively few events (33 in the T-DXd arm, 53 in the T-DM1 arm)

 ^{a}P = .007172, but does not cross pre-specified boundary of *P* < .000265



Daiichi-Sankv

Confirmed ORR and Best Overall Response





ESMO2021

CR, complete response; DCR, disease control rate; PD, progressive disease; PR, partial response; SD, stable disease. ^aOnly subjects with measurable disease at baseline and at least one postbaseline target lesion assessment are included. ^bBased on BICR.

Red line at 20% indicates progressive disease; black line at -30% indicates partial response.



n (%)	T-DXd (n = 257)	T-DM1 (n = 261)
Any drug-related TEAE	252 (98.1)	226 (86.6)
Drug-related TEAE Grade ≥3	116 (45.1)	104 (39.8)
Serious drug-related TEAE	28 (10.9)	16 (6.1)
Drug-related TEAE associated with discontinuation	33 (12.8)	13 (5.0)
Drug-related TEAE associated with dose reduction	55 (21.4)	33 (12.6)
Drug-related TEAE associated with an outcome of death	0 (0.0)	0 (0.0)

- Median treatment duration was 14.3 months (range, 0.7-29.8) for T-DXd and 6.9 months (range, 0.7-25.1) for T-DM1
- The most common TEAE associated with treatment discontinuation for T-DXd was ILD/pneumonitis^a (8.2%) and for T-DM1 was thrombocytopenia^b (2.7%)
- The most common TEAEs associated with dose reduction for T-DXd were nausea (6.2%) and neutropenia^c (3.5%) and for T-DM1 were thrombocytopenia^b (4.2%) and ALT and AST increased (2.7% each)

ALT, alanine aminotransferase; AST, aspartate aminotransferase; ILD, interstitial lung disease; TEAE, treatment-related adverse event.

Relationship to study drug was determined by the treating investigator.

ESMO2021

aInterstitial lung disease includes events that were adjudicated as ILD and related to use of T-DXd or T-DM1 (includes cases of potential ILD/pneumonitis,

based on MedDRA v23.0 for the narrow ILD SMQ, selected terms from the broad ILD SMQ, and PTs of respiratory failure and acute respiratory failure). ^bThis category includes the preferred terms platelet count decreased and thrombocytopenia. ^cThis category includes the preferred terms neutrophil count decreased and neutropenia.

Drug-Related TEAEs in ≥20% of Patients



System Organ Class	m Organ Class T-DXd (n = 257)		T-DM1 (n = 261)		
Preferred term, n (%)	Any Grade	Grade ≥3	Any Grade	Grade ≥3	
Blood and lymphatic system disorders					
<u>Neutropenia^a</u>	110 (42.8)	49 (19.1)	29 (11.1)	8 (3.1)	
Anemia ^b	78 (30.4)	15 (5.8)	37 (14.2)	11 (4.2)	
<u>Leukopenia^c</u>	77 (30.0)	17 (6.6)	20 (7.7)	1 (0.4)	
Thrombocytopeniad	64 (24.9)	18 (7.0)	135 (51.7)	65 (24.9)	
Gastrointestinal disorders					
Nausea	187 (72.8)	17 (6.6)	72 (27.6)	1 (0.4)	
Vomiting	113 (44.0)	4 (1.6)	15 (5.7)	1 (0.4)	
Diarrhea	61 (23.7)	1 (0.4)	10 (3.8)	1 (0.4)	
Constipation	58 (22.6)	0	25 (9.6)	0	
General disorders					
<u>Fatigue^e</u>	115 (44.7)	13 (5.1)	77 (29.5)	2 (0.8)	
Investigations					
AST increased	60 (23.3)	2 (0.8)	97 (37.2)	13 (5.0)	
ALT increased	50 (19.5)	4 (1.6)	71 (27.2)	12 (4.6)	
Metabolism and nutrition disorders					
Decreased appetite	67 (26.1)	3 (1.2)	33 (12.6)	0	
Skin and subcutaneous tissue disorders					
Alopeciat	93 (36.2)	1 (0.4)	6 (2.3)	0	

Most drug-related TEAEs were gastrointestinal or hematological in nature

Adverse events were managed according to the protocol.



^aThis category includes the preferred terms neutrophil count decreased and neutropenia. ^bThis category includes the preferred terms hemoglobin decreased, red blood cell count decreased, anemia, and hematocrit decreased. ^cThis category includes the preferred terms white blood cell count decreased and leukopenia. ^dThis category includes platelet count decreased and thrombocytopenia. ^eThis category includes the preferred terms fatigue, asthenia, and malaise. ^fGrade 1 alopecia: T-DXd = 26.5%, T-DM1 = 2.3%; grade 2, T-DXd = 9.3%.


Adjudicated as drug-related ILD/pneumonitis ^a , n (%)						
n (%)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
T-DXd (n = 257)	7 (2.7)	18 (7.0)	2 (0.8)	0	0	27 (10.5)
T-DM1 (n = 261)	4 (1.5)	1 (0.4)	0	0	0	5 (1.9)

• There were no grade 4 or 5 adjudicated drug-related ILD/pneumonitis events observed with T-DXd

LVEF decrease, n (%)						
n (%)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
T-DXd (n = 257)	1 (0.4) ^b	6 (2.3) ^c	0	0	0	7 (2.7)
T-DM1 (n = 261)	0	1 (0.4) ^c	0	0	0	1 (0.4)

 In the T-DXd arm, all reported adverse events of LVEF decrease were asymptomatic and no cases of cardiac failure occurred

Conclusions



In the first randomized phase 3 trial in breast cancer, T-DXd demonstrated:

Highly clinically meaningful and statistically significant improvement in PFS compared with T-DM1 in patients with HER2-positive mBC

- PFS HR of 0.28 (*P* = 7.8×10⁻²²)
- Consistent benefit seen across key subgroups and efficacy endpoints, with a confirmed ORR for T-DXd of 79.7% vs 34.2% for T-DM1 (CR, 16.1% vs 8.7%)

Encouraging OS trend at the time of first interim analysis

12-month OS rate for T-DXd was 94.1% vs 85.9% for T-DM1

A safety profile that is comparable between the 2 arms

- Similar rates of all grade and grade ≥3 drug-related TEAEs between arms
- There were no grade 4 or 5 ILD/pneumonitis events in either arm

These data support T-DXd becoming the standard of care for 2L HER2-positive mBC



279P

Trastuzumab Deruxtecan (T-DXd) in Patients with HER2-Positive Metastatic Breast Cancer: **Updated Survival Results from a** Phase 2 Trial (DESTINY-Breast01)

Cristina Saura,¹ Shanu Modi,² Ian Krop,³ Yeon Hee Park,⁴ Sung-Bae Kim,⁶ Kenji Tamura,⁴ Fabrice Andre,⁷ Hiroji Iwata,⁸ Yoshinon Ito,⁹ Junji Tsurutani,^{10,11} Joohyuk Sohn,¹² Caleb Lee,13 Yali Liu,13 Jillian Cathcart,13 Jasmeet Singh,13 Toshinari Yamashita1

Vall d'Hebron University Hospital, Vall d'Hebron Institute of Oncology (VHO), Barcelona, Spain; ³Memorial Sloan Katlering Cancer Center, New York, NY, USA; ³Dana-Farber Cancer Institute, Boston, MA, USA Samsung Medical Center, Scoul, South Korea; Asan Medical Center, Scoul, South Korea; Shinane University "Samaargi metuca Lening, secul, sooun roters, "sean metuca Lening, soou, sooun roters, "Simmaria Diriversity Hospital, Silmana, Japan; "Gatsine Roussy, Willeight, Tance, "Arbic Trance Canter Hospital, Arbi, Japan; "Cancer Institute Hospital of J-CR, Tokyo, Japan; "Windai University Faculty of Medicine, Osaka, Japan; "Showa University, Tokyo, Japan; "Foreal Cancer Center, Seoul, South Korea; "Daiichi Sankyo, Inc., Basking Ridge, NJ, USK, "Kanagawa Cancer Center, Kanagawa, Japan

Background

- Approximately 20% of breast cancers overexpress human epidermal growth factor receptor 2 (HER2)1
- T-DXd is approved for the treatment of adult patients with unresectable or metastatic HER2-positive breast cancer who have received 2 or more prior anti-HER2-based regimens in the metastatic setting2
- DESTINY-Breast01 (NCT03248492) is an international, multicenter. open-label phase 2 study of T-DXd in patients with HER2-positive metastatic breast cancer (MBC); the results from this study supported global regulatory approval^{3,4}
- Data from prior data cutoffs (primary: August 1, 20193; initial update: June 8, 2020⁴) showed that patients receiving T-DXd had durable responses
- At the initial update (June 8, 2020) presented at the 2020 San Antonio Breast Cancer Symposium, confirmed overall response rate (ORR) was 61.4%, duration of response (DOR) was 20.8 months, median progression-free survival (PFS) was 19.4 months, and median overall survival (OS) was 24.6 months4
- Safety results were also consistent with previously reported data on T-DXd^{3,4}
- Previous reports of median OS were limited by high percentages of censored patients; updated, mature survival results at the most recent data cutoff (March 26, 2021) are reported here

Conclusions

- With 6 months of additional follow-up, and more than half of the patients now with OS events, T-DXd demonstrated an estimated median OS of 29.1 months and a high landmark survival at 12, 18, and 24 months (85%, 75%, and 58%, respectively)
- These updated results continue to demonstrate a significant and sustained survival benefit of T-DXd in heavily previously treated patients with HER2positive MBC (median prior lines of treatments, 6)
- Safety results were consistent with the known safety profile of T-DXd^{3,4}
- · T-DXd is currently undergoing further investigation in randomized controlled clinical trials assessing patients with:
- HER2-positive BC (DESTINY-Breast02, DESTINY-Breast03, DESTINY-Breast05, DESTINY-Breast07, and DESTINY-Breast09)
- HER2-low BC (DESTINY-Breast04 and DESTINY-Breast06)



Copies of this e-Poster obtained through QR, AR and/or text key codes are for personal use only and may not be reproduced without written permission of the authors.

Poster presented at the European Society for Medical Oncology (ESMC) 2021 Annual Meeting: September 16-21, 2021. This presentation is the initialicitual property of the authors/presenter. Please contract Dr. Saura at casura@Whion of thor permission to reprint and/or distribute.

Methods

BC (Figure 1)



Results

analysis set)

DOR, PFS, and OS

Patients

- A total of 184 patients were assessed; ages ranged from 28 to 96 years and the median number of prior lines of therapy in the metastatic setting was 6 (range, 2-27)
- Baseline demographic and clinical characteristics are shown in Table 1 As of March 26, 2021, the median duration of follow-up was 26.5 months (range, 0.7-39.1), 6 months longer than that
- of the previous most recent analysis (Table 2) In total, 15% (n = 28) of patients remained on treatment and 85%
- (n = 156) discontinued Discontinuations were due to progressive disease (46%, n = 85),
- adverse events (19%, n = 35), patient withdrawal (6%, n = 11), physician decision (4%, n = 8), death (4%, n = 7), or other (5%, n = 10)

Table 1. Baseline Demographic and Clinical Characteristics

Characteristic	T-DXd 5.4 mg/kg (N = 184) ^a
Age, years, median (range)	55.0 (28-96)
Female, %	100
Region, % Asia/North America/Europe	34.2/28.8/37.0
ECOG performance status 0/1/2, %	55.4/44.0/0.5
Hormone receptor positive/negative/unknown, %	52.7/45.1/2.2
HER2 expression, % ^b IHC 3+ IHC 2+; ISH+/IHC 1+; ISH+ Missing	83.7 15.2 1.1
Presence of visceral disease, %	91.8
Prior treatment for metastatic disease Median (range) Trastuzumab/T-DM1, % Pertuzumab, % Other anti-HER2, % Hormone therany. %	6 (2-27) 100/100 65.8 54.3 48.9

ECOD, Eastern Cooperative Oncology Group; HER2, human opidermal growth factor receptor 2; IHC, immunohistochemistry; SH, in altu hybridization; FDMH, trastacuranab amtannian; FDXd, trastacuranab deructocan.

Other systemic therapy, %

Acknowledgments

"HER2 status was contrally assessed in archival tissue according to guidelines of the American Society of Clinical Oncology/College of American Pathologists.

99.5

We have the patients who are participating in this study, as well as here families and caregolies. This study is promoved by Datrich Sarwy (in collaboration with Ambardance). In 2019, Anthances and anne this to good advectment and commercialization collaboration agreement with Datrich Sarwy for T-XXX (DS-8201). Medical writing support was provided by Sonly Brail, PMI, PMI, Or Aphothecim and was funded by Datrich Sarwy.

Intent-to-Treat Analysis	August 2019 DCO T-DXd 5.4 mg/kg (N = 184)	June 2020 DCO T-DXd 5.4 mg/kg (N = 184)	March 2021 DCO T-DXd 5.4 mg/kg (N = 184)
Median duration of follow up (range), months	11.1 (0.7-19.9)	20.5 (0.7-31.4)	26.5 (0.7-39.1)
Patients remaining on treatment, n (%)	79 (42.9)	37 (20.1)	28 (15.2)
Confirmed ORR [®] by ICR, n (%) 95% Cl	112 (60.9) 53.4-68.0	113 ^b (61.4) 54.0-68.5	114 (62.0) 54.5-69.0
CR	11 (6.0)	12 (6.5)	13 (7.1)
PR	101 (54.9)	101 (54.9)	101 (54.9)
SD	67 (36.4)	66 (35.9)	65 (35.3)
PD	3 (1.6)	3 (1.6)	3 (1.6)
Not evaluable	2 (1.1)	2 (1.1)	2 (1.1)
Median DOR (95% CI), months	14.8 (13.8-16.9)	20.8 ^b (15.0-NE)	18.2 (15.0-NE)

Median TTR (95% Cl), months		1.6 (1.4-2.7)	
Median PFS (95% Cl), months	16.4 (12.7-NE)	19.4 (14.1-NE)	19.4 (14.1-25.0)
Median OS (95% Cl), months	NE (NE-NE)	24.6 (23.1-NE)	29.1 (24.6-36.1)
CP control to constant a DCO, data cutoff, DCP, duration of stars	and ICD independent our	teal ancience ME, and antimal	de COD abiastica

cm, companie response, succe, stata surger, Luvit, auration en response, ruce, incopensiani contrar review; Nil, not estimable; UHI; (response rate; Go, overall survive) PD, prograssico disease; PPS, prograssion-free survive); PR, partial response; SD, stable disease; F204; firstnurume) derusticaen; TTR; firme to response.

a patient had a PR prior to the June 8, 2020 cutoff date that was confirmed after the cutoff date. The patient had a confirmed best overall ionse of PR on the first PR date in the central date but was not included in the analysis of DOR.

Disclosures

b. Orbite stars record paid consulting a strikury relevant method parked, Buich Sarrya, Esal, Exand Sarrosa, Esair Fernar, P. Hofman, I. Bockal, M. Mardinch, Marci Sarpa, Domin, Novella, Durch Pilager, Marcin Parma, Esair Fernar, B. Marchan, Marci Sarpa, Domin, Novella, Durch Pilager, Marchan, Parma Esteknology, Bocha Parama, Sarot-Aventa, Saasifa and 2 presents: taske separate. Incusting source obtained the Data Sarot-Aventa, Saasifa and 2 presents: taske separate. Incusting source obtained the Data Sarot-Aventa, Barton Aventa, Barton Aventa, Sarot-Aventa, Barton Aventa, Sarot-Aventa, Sarot-Aventa, Sarot-Aventa, Sarot-Aventa, Sarot-Aventa, Sarot-Aventa, Sarot-Sarot, Sarot-Sarot, Sarot-Sarot, Sarot-Aventa, Marca, Sarot-Aventa, Saro

Results (continued)

Efficacy

- · As of March 26, 2021, median duration of OS follow-up was 31.1 months (95% CI, 30.7-32.0)
- The updated median OS was 29.1 months (95% CI, 24.6-36.1), and with greater data maturity, more than half of the patients had OS events (95/184, 51.6%) (Figure 2)
- Estimated 12-month OS was 85% (95% CI, 79-90)
- Estimated 18-month OS was 75% (95% CI, 67-80)
- Estimated 24-month OS was 58% (95% CI, 51-65)



Time, Months

142 140 135 133 129 124 121 117 109 105 100 95 93 90 87 79 67 45 33 16 12 9 8 5 3 1 0

- esults is shown in Table 2
- m baseline in target lesions is shown in Figure 3 PFS was 19.4 months (95% CI, 14-25), which prior June 2020 data cutoff, with 76 (41%) PFS
- months (95% CI, 15-NE) at the updated data ure 5)





References

- Ferlay J et al. GLOBOCAN 2012 v1.0, 2013.
- Enhertu [summary of product characteristics]. Munich, Germany: Dalichi Sankyo Europe GmbH; 2021.
 Modi S et al. N Engl J Med. 2020;382:610-621.
- 4. Modi S et al. Amer Assoc Cancer Research. 2021;81(4):PD3-06.

Figure 5. Kaplan-Meier Analysis of Duration of Response (DOR)



Safety Summary

- As most patients had previously discontinued treatment, the overall safety profile of T-DXd was consistent with prior results^{3,4}
- · These results continue to demonstrate a generally tolerable safety profile in patients treated with T-DXd (Table 3)
- One new case of grade 1 T-DXd-related interstitial lung disease (ILD) as determined by independent adjudication committee was reported since the last data cutoff (Table 4)
- With ongoing follow-up, there were no additional reported cases of grade ≥3 ILD/pneumonitis events

Table 3. Overall Safety Summary

/pe of Adverse Event,* (%)	August 2019 DCO T-DXd 5.4 mg/kg (N = 184)	June 2020 DCO T-DXd 5.4 mg/kg (N = 184)	March 2021 DCO T-DXd 5.4 mg/kg (N = 184)
Any TEAE Drug-related	183 (99.5) 183 (99.5)	183 (99.5) 183 (99.5)	183 (99.5) 183 (99.5)
EAE grade ≥3 Drug-related	105 (57.1) 89 (48.4)	113 (61.4) 97 (52.7)	116 (63.0) 99 (53.8)
Dose adjustments			
EAE associated with liscontinuation Drug-related	28 (15.2) 27 (14.7)	34 (18.5) 33 (17.9)	35 (19.0) 33 (17.9)
EAE associated with lose reduction Drug-related	43 (23.4) 40 (21.7)	44 (23.9) 39 (21.2) ^b	46 (25.0) 43 (23.4)
EAE associated with lose interruption Drug-related	65 (35.3) 53 (28.8)	75 (40.8) 60 (32.6)	77 (41.8) 60 (32.6)
Death			
EAE associated with leath [°] Drug-related	9 (4.9) 2 (1.1)	10 (5.4) 3 (1.6)	10 (5.4) 3 (1.6)

DCO, data cutoff, FDKI, trastauranab darustoare, TEAE, trastment-amagent adverse event. "Relationship to study drug was duterninol by the trating investigator. "Read on dystatal unsultigator assessment." "Each of the following TEAE's was associated with a fatal outcome, respiratory failure, acute respiratory failure, deuses progression, gannall physical hashid distancion, hyphwangin, successing, hoch knownthagin; t patient had 2 TEAE's associated with dath: scate kidney injury and acute hepatic failure

Table 4. Drug-related Interstitial Lung Disease/Pneumonitis*

Interstitial Lung Disease, n (%)	August 2019 DCO T-DXd 5.4 mg/kg (N = 184)	June 2020 DCO T-DXd 5.4 mg/kg (N = 184)	March 2021 DCO T-DXd 5.4 mg/kg (N = 184)
Grade 1	5 (2.7)	6 (3.3)	7 (3.8)
Grade 2	15 (8.2)	16 (8.7)	16 (8.7)
Grade 3	1 (0.5)	1 (0.5)	1 (0.5)
Grade 4	0	0	0
Grade 5	4 (2.2)	5 (2.7)	5 (2.7)
Any grade/total	25 (13.6)	28 (15.2)	29 (15.8)

DCO, data cutoff, T-DXd, trastuumab daruntecan; TEAE, traatment-envergent adverse event. Na datermined by an independent interstitial lung disease adjudication committee. At data cutoff, 1 grade 1 event and 1 grade 3 event ware conciner advicement.

4) (N = 184) No. at risk 194 185 182 170 174 171 188 184 150 15	(N = 184)	(N = 184)	(N = 184)
.4) (0.7-39.1) • A summary of ef • Best percent cha	26.5 (0.7-39.1)	20.5 (0.7-31.4)	11.1 (0.7-19.9)
At data cutoff, m was unchanged events (Figure 4	28 (15.2)	37 (20.1)	79 (42.9)
Median DOR wa cutoff (March 20 54.5-69.0 Figure 3. Best Perce	114 (62.0) 54.5-69.0	113 ^b (61.4) 54.0-68.5	112 (60.9) 53.4-68.0
5) 13 (7.1) • ¹⁰⁰] ^{n = 196}	13 (7.1)	12 (6.5)	11 (6.0)
.9) 101 (54.9)	101 (54.9)	101 (54.9)	101 (54.9)
9) 65 (35.3)	65 (35.3)	66 (35.9)	67 (36.4)
) 3 (1.6)	3 (1.6)	3 (1.6)	3 (1.6)
) 2 (1.1) 15 9 -20 -	2 (1.1)	2 (1.1)	2 (1.1)



Primary Data from DESTINY-Lung01: A Phase 2 Trial of Trastuzumab Deruxtecan (T-DXd) in Patients With *HER2*-Mutated (*HER2*m) Metastatic Non–Small Cell Lung Cancer (NSCLC)

Bob T. Li, MD, PhD, MPH^a, Egbert F. Smit, Yasushi Goto, Kazuhiko Nakagawa, Hibiki Udagawa, Julien Mazières, Misako Nagasaka, Lyudmila Bazhenova, Andreas N. Saltos, Enriqueta Felip, Jose M. Pacheco, Maurice Pérol, Luis Paz-Ares, Kapil Saxena, Ryota Shiga, Yingkai Cheng, Suddhasatta Acharyya, Javad Shahidi, David Planchard, Pasi A. Jänne

On behalf of the DESTINY-Lung01 investigators

^aMemorial Sloan Kettering Cancer Center, New York, NY, USA



High Unmet Medical Need in Patients with HER2m NSCLC



- HER2 mutations drive ~3% of nonsquamous NSCLC and are associated with slightly younger age, female sex, never-smoking history, a poor prognosis, and an increased incidence of brain metastasis¹⁻⁵
- There are no approved HER2-targeted therapies for patients with NSCLC⁶
 - HER2m status is not routinely assessed⁷, and this population is treated with standard chemotherapy and/or immunotherapy⁸⁻¹⁴
 - Efficacy in second- or later-line settings is limited (ORR, 7%-27%) 8-14

ESMO2021

 T-DXd is a HER2 antibody-drug conjugate^{15,16} approved in various countries worldwide for the treatment of metastatic HER2-positive breast and gastric cancers

DESTINY-Lung01 assessed the efficacy and safety of T-DXd in patients with *HER2*m NSCLC who had relapsed on or were refractory to standard treatment

In an interim analysis (data cutoff November 25, 2019), results showed promising T-DXd activity¹⁷ Results from the primary analysis of the fully enrolled cohort of patients with a *HER2* mutation are presented

HER2, human epidermal growth factor 2; *HER2*m, *HER2*-mutated; NSCLC, non-small cell lung cancer; ORR, objective response rate; T-Dxd, trastuzumab deruxtecan. 1. Stephens P et al. *Nature*. 2004;431:525-526; 2. Mazières J et al. *J Clin Oncol*. 2013;31:1997-2003; 3. Arcila ME et al. *Clin Cancer Res*. 2012;18:4910-4918; 4. Pillai RN et al. *Cancer*. 2017;123:4099-4105; 5. Offin M et al. *Cancer*. 2019;4380-4387; 6. Planchard D et al. *Ann Oncol*. 2018; iv192-iv237; 7. Pennell NA et al. *Am Soc Clin Oncol Educ Book*. 2019;(39):531-542. 8. Wu YL et al. *Ann Oncol*. 2019;30:171-210; 9. Kim SY et al. *Lung Cancer Manag*. 2020;9:LMT36; 10. Akamatsu H et al. *Int J Clin Oncol*. 2019;24:731-70; 11. Mazières J et al. *Ann Oncol*. 2016;27:281-286; 12. Mazières J et al. *Ann Oncol*. 2019;30:1321-1328; 13. Garon EB et al. *Lancet*. 2014;384:665-673; 14. Guisier F et al. *J Thorac Oncol*. 2020;15:628-636; 15. Nakada T et al. *Chem Pharm Bull* (Tokyo). 2019;67:173-185; 16. Ogitani Y et al. *Clin Cancer Res*. 2016;22:5097-5108; 17. Smit et al. *World Congress of Lung Cancer*. 2020.

DESTINY-Lung01 Study Design



Multicenter, international, 2-cohort phase 2 trial (NCT03505710)



Data cutoff: May 3, 2021

ESMO2021

- 91 patients with HER2m NSCLC were enrolled and treated with T-DXd
- 15 patients (16.5%) remain on treatment to date
- 76 patients (83.5%) discontinued, primarily for progressive disease (37.4%) and adverse events (29.7%)

^aPatients with asymptomatic brain metastases not requiring ongoing steroid or anticonvulsant therapy were allowed to enroll ^bHER2 mutation documented solely from a liquid biopsy could not be used for enrolment ^cHER2 overexpression without known HER2 mutation was assessed by local assessment of archival tissue and centrally confirmed ^dPer RECIST v1.1

DCR, disease control rate; DOR, duration of response; ECOG, Eastern Cooperative Oncology Group; HER2, human epidermal growth factor receptor 2; ICR, independent central review; IHC, immunohistochemistry; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PS, performance status; q3w, every 3 weeks; RECIST v1.1, Response Evaluation Criteria in Solid Tumours version 1.1.

Demographics and Baseline Characteristics



	T-DXd
	(N = 91)
Age, median (range), years	60.0 (29.0-88.0)
Female, %	65.9
Race, %	
Asian	34.1
White	44.0
Black	1.1
Other	20.9
Region, %	
Asia	25.3
Europe	36.3
North America	38.5
ECOG PS, %	
0 1	25.3 74.7
HER2 mutation, %	
Kinase domain	93.4
Extracellular domain	6.6
Asymptomatic CNS metastases at baseline, %	36.3
Smoking status, %	
Never Former Current	57.1 40.7 2.2
History of prior lung resection, %	22.0





	Patients (N = 91)
History of any prior systemic cancer therapy, n (%)	90 (98.9)
Prior lines of treatment, median (range)	2 (0-7) ^a
Prior treatment, n (%) Platinum-based therapy Anti–PD-(L)1 therapy Platinum-based and anti–PD-(L)1 therapy ^b Docetaxel HER2 TKI ^c	86 (94.5) 60 (65.9) 57 (62.6) 18 (19.8) 13 (14.3)

^aOne patient was enrolled without receiving prior cancer therapy

^bGiven separately or in combination

^cPatients previously treated with a HER2 antibody or an antibody-drug conjugate were ineligible, but those who previously

received a HER2 TKI such as afatinib, pyrotinib, or poziotinib were allowed

Confirmed ORR, Best Overall Response, and DoR



	Patients (N = 91)
Confirmed ORR ^a , n (%)	50 (54.9) (95% Cl, 44.2-65.4)
Best overall response, n (%) CR PR SD PD Not evaluable	1 (1.1) 49 (53.8) 34 (37.4) 3 (3.3) 4 (4.4)
DCR, n (%)	84 (92.3) (95% CI, 84.8-96.9)
Median <u>DoR</u> , months	9.3 (95% CI, 5.7-14.7)
Median follow up, months	13.1 (range, 0.7-29.1)

^aPrimary endpoint

ESMO2021 CR, complete response; DoR, duration of response; PD, progressive disease; PR, partial response; SD, stable disease.

Best Percentage Change of Tumor Size From Baseline

ESMO2021





^aBest change in tumor size by ICR for 85 of 91 patients for whom baseline and postbaseline data were available. Baseline is last measurement taken before enrollment. ^bThe OncomineTM Dx Target Test (Thermo Fisher Scientific) was used to confirm local HER2 mutation status and to determine HER2 amplification status. HER2 protein expression status was determined by immunohistochemistry using a modified PATHWAY anti-HER2 (4B5) (Ventana Medical Systems, Inc.) assay. Shown is best (minimum) percentage change from baseline in the sum of diameters for all target lesions; (-), negative; (+), positive; I, insertion; N, no; S, substitution; Y, yes. Blank cells (except for the prior HER2 TKI therapy row) indicate patients whose tumor samples were not evaluable or assessed. The upper dashed horizontal line indicates a 20% increase in tumor size in the patients who had disease progression and the lower dashed line indicates a 30% decrease in tumor size (partial response).

Response to T-DXd in Subgroups



	No. of Responders	Confirmed ORR (95% CI)	Confirmed ORR (95% CI)
All patients	50/91	54.9 (44.2-65.4)	_
HER2 mutation domain			
Kinase domain	49/85	57.6 (46.5-68.3)	
Prior treatment received			
Platinum-based therapy	46/86	53.5 (42.4-64.3)	_
Platinum-based therapy and anti-PD-(L)1 therapy ^a	37/57	64.9 (51.1-77.1)	
Asymptomatic CNS metastasis at baseline ^b			
Yes	18/33	54.5 (36.4-71.9)	
No	32/58	55.2 (41.5-68.3)	
^a Given separately or in combination			0% 20% 40% 60% 80% 100%

^bPatients had asymptomatic brain metastases not requiring ongoing steroid or anticonvulsant therapy

Percentage Change of Tumor Size Over Time



ESMO2021



Progression-free Survival and Overall Survival





Median follow-up was 13.1 months (range, 0.7-29.1)

PFS assessed by ICR using RECIST v1.1., the median was based on Kaplan-Meier estimate, and 95% CI for median was computed using the Brookmeyer-Crowley method, and dashed lines indicate the 95% CI. Of 91 patients, 41 had progressive disease and 15 had died by the data cutoff date. Data for 35 patients were censored as indicated by tick marks; patients were censored if they discontinued treatment.

Median follow-up was 13.1 months (range, 0.7-29.1 months)

Dashed lines indicate the 95% CI. Of 91 patients, 47 had died by the data cutoff date. Data for 44 patients were censored as indicated by tick marks; patients were censored if they discontinued treatment.

Overall Safety Summary



n (%)	Patients (N = 91)
Any drug-related TEAE	88 (96.7)
Drug-related TEAE Grade ≥3	42 (46.2)
Serious drug-related TEAE	18 (19.8)
Drug-related TEAE associated with discontinuation ^a	23 (25.3)
Drug-related TEAE associated with dose reduction	31 (34.1)
Drug-related TEAE associated with an outcome of death	2 (2.2) ^c

- Median treatment duration was 6.9 months (range, 0.7-26.4 months)
- The most common drug-related TEAEs associated with treatment discontinuation were investigator-reported pneumonitis (13.2%) and ILD (5.5%)
- The most common drug-related TEAEs associated with dose reduction were nausea (11.0%) and fatigue (8.8%)



Relationship to study drug was determined by the treating investigator. ^aPneumonitis (n = 12) and interstitial lung disease (n = 5) were among the drug-related TEAEs associated with discontinuation. ^b1 patient experienced grade 3 ILD as reported by investigator and died. The reported ILD was subsequently adjudicated as grade 5 by the interstitial lung disease adjudication committee. ILD, interstitial lung disease; TEAE, treatment-emergent adverse event.

Drug-related TEAEs Reported by Investigator



	Patients (N = 91)		
n (%)	Any grade Grade ≥3		
Patients with ≥1 drug-related TEAEs	88 (96.7)	42 (46.2)	
Drug-related TEAEs with ≥20% incider	nce in all patients		
Nausea	66 (72.5)	8 (8.8)	
Fatigue ^a	48 (52.7)	6 (6.6)	
Alopecia	42 (46.2)	0	
Vomiting	36 (39.6)	3 (3.3)	
Neutropenia ^b	32 (35.2)	17 (18.7)	
Anemia ^c	30 (33.0)	9 (9.9)	
Diarrhea	29 (31.9)	3 (3.3)	
Decreased appetite	27 (29.7)	0	
Leukopenia ^d	21 (23.1)	4 (4.4)	
Constipation	20 (22.0)	0	

^aThis category includes the preferred terms fatigue, asthenia, and malaise.

^bThis category includes the preferred terms neutrophil count decreased and neutropenia.

^cThis category includes the preferred terms hemoglobin decreased, red blood cell count decreased, anemia, and hematocrit decreased. ^dThis category includes the preferred terms white blood cell count decreased and leukopenia.

Adjudicated Drug-Related ILD



	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
n (%)	3 (3.3)	15 (16.5)	4 (4.4)	0	2 (2.2)	24 (26.4)

- The median time to onset of first reported drug-related ILD/pneumonitis was 141 days (range, 14-462 days), with a median duration of 43 days (95% CI, 24-94 days)
- 75% of adjudicated drug-related ILD/pneumonitis^a cases were of low grade (Grade 1/2)
- 21 of 24 patients with adjudicated drug-related ILD/pneumonitis received ≥1 dose of glucocorticoids.
 However, not all glucocorticoid treatment was administered per the ILD/pneumonitis management guidelines^b
- At the time of data cutoff, 54% (13/24) of investigator-reported cases had fully resolved

ESMO2021

^aDrug-related ILD/pneumonitis was determined by the Independent Adjudication Committee based on the current MedDRA version for the narrow ILD standard MedDRA query (SMQ), selected terms from the broad ILD SMQ, and respiratory failure and acute respiratory failure. ^bEvents of ILD/pneumonitis in the present study were actively managed based on the protocol-defined ILD/pneumonitis management guidelines.

Conclusions



- T-DXd demonstrated robust and durable anticancer activity in patients with previouslytreated HER2m NSCLC
 - Efficacy was consistently observed across subgroups, including in those patients with stable CNS metastases
 - Exploratory analyses demonstrated anticancer activity across different *HER2* mutation subtypes, as well as in patients with no detectable HER2 expression or *HER2* gene amplification
- Overall, the safety profile was consistent with previously reported studies
 - Most adjudicated drug-related ILD/pneumonitis cases were of low grade
 - ILD/pneumonitis remains an important identified risk. Effective early detection and management are critical in preventing high-grade ILD/pneumonitis
- The 5.4 mg/kg dose is being explored in future studies to evaluate the optimal dosing regimen in patients with HER2m NSCLC (DESTINY-Lung02; NCT04644237)
- DESTINY-Lung01 provides compelling evidence of positive benefit/risk balance with T-DXd in the 2L+ setting and supports its establishment as a potential new treatment standard



Publication in The New England Journal of Medicine



The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Trastuzumab Deruxtecan in HER2-Mutant Non-Small-Cell Lung Cancer

Bob T. Li, M.D., Ph.D., M.P.H., Egbert F. Smit, M.D., Ph.D., Yasushi Goto, M.D., Ph.D., Kazuhiko Nakagawa, M.D., Hibiki Udagawa, M.D., Julien Mazières, M.D., Misako Nagasaka, M.D., Ph.D., Lyudmila Bazhenova, M.D., Andreas N. Saltos, M.D., Enriqueta Felip, M.D., Ph.D., Jose M. Pacheco, M.D., Maurice Pérol, M.D., Luis Paz-Ares, M.D., Kapil Saxena, M.D., Ryota Shiga, B.Sc., Yingkai Cheng, M.D., Ph.D., Suddhasatta Acharyya, Ph.D., Patrik Vitazka, M.D., Ph.D., Javad Shahidi, M.D., David Planchard, M.D., Ph.D., and Pasi A. Jänne, M.D., Ph.D., for the DESTINY-Lung01 Trial Investigators*





Primary Analysis of a Phase 2 Single-Arm Trial of Trastuzumab Deruxtecan (T-DXd) in Western Patients With HER2-Positive (HER2+) Unresectable or Metastatic Gastric or Gastroesophageal Junction (GEJ) Cancer Who Progressed on or After a Trastuzumab-containing Regimen

Eric Van Cutsem, MD^{a,} Maria di Bartolomeo, Elizabeth Smyth, Ian Chau, Haeseong Park, Salvatore Siena, Sara Lonardi, Zev A. Wainberg, Jaffer Ajani, Joseph Chao, Jabed Seraj, Yoshinori Kawaguchi, Amy Qin, Jasmeet Singh, Gerold Meinhardt, Geoffrey Ku **On behalf of the DESTINY-Gastric02 investigators**

^aUniversity Hospital Gasthuisberg, Leuven and KU Leuven, Leuven, Belgium



DESTINY-Gastric02 Study Design



An open-label, multicenter phase 2 study in Western patients with HER2+ gastric or GEJ cancer (NCT04014075)



- DESTINY-Gastric02 is the first study focused only on second-line T-DXd monotherapy in Western patients with ٠ HER2+ gastric/GEJ cancer who have progressed on a trastuzumab-containing regimen
 - It is the follow-on study to DESTINY-Gastric01, which evaluated T-DXd third-line or later in Asian patients¹
- Patients were enrolled in Europe (Belgium, Great Britain, Italy, Spain) and the United States (data cutoff: April 9, ٠ 2021)

^aEnrollment of 80 patients was planned; actual enrollment was 79 patients.

^bOther secondary endpoints were ORR, PFS, and DOR by investigator assessment, pharmacokinetics, anti-drug antibodies, and patient-reported outcomes.

1. Shitara K et al. N Engl J Med. 2020;382:2419-30.



DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; GEJ, gastroesophageal junction; HER2, human epidermal growth factor receptor 2; ICR, independent central 92 review; IHC, immunohistochemistry; ISH, in situ hybridization; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; T-DXd, trastuzumab deruxtecan; Q3W, every 3 weeks.

Patient Demographics and Disease Characteristics



	Patients
Demographics	N = 79
Age	
Median (range), years	60.7 (20.3 – 77.8)
<65, %	58.2
≥65, %	41.8
Male, %	72.2
Race, %	
White	87.3
Black or African American	1.3
Asian	5.1
American Indian or Alaskan native	0
Native Hawaiian or Pacific Islander	1.3
Other	3.8
Missing	1.3

	Patients
Disease characteristics	N = 79
ECOG PS, %	
0	36.7
1	63.3
HER2 expression, %	
IHC 3+	86.1
IHC 2+/ISH+	12.7
Not evaluable	1.3 ^a
Adenocarcinoma, %	98.7
Intestinal	24.1
Diffuse	1.3
Mixed	1.3
Unknown	72.2 ^b
Cancer type, %	
Gastric	34.2
GEJ	65.8
Number of metastatic sites, %	
<2	6.3
≥2	93.7
Liver metastasis at baseline, %	63.3
Time from diagnosis, median (range), mo	14.2 (3.6 – 88.5)

ESMO2021

Efficacy Endpoints



	Patients (N = 79)
Confirmed ORRª, n (%)	30 (38) (95% CI, 27.3-49.6)
Confirmed best overall response, n (%) CR PR SD PD Not evaluable	3 (3.8) 27 (34.2) 34 (43.0) 13 (16.5) 2 (2.5)
Median DOR, ^b months	8.1 (95% CI, 4.1-NE)
Confirmed DCR ^c , n (%)	64 (81.0) (95% CI, 70.6-89.0)
Median TTR, months	1.4 (95% CI, 1.4-2.6)
Median PFS. ^d months	5.5 (95% CI, 4.2-7.3)
Median follow up, months	5.7 (range, 0.7-15.2)

Cutoff date: April 9, 2021.

ESMO2021

^aPrimary endpoint. ^bSecondary endpoint analysis based on responders (n=30); 21 patients were censored (reasons: initiating new anticancer therapy, adequate tumor assessment no longer available, and ongoing without occurrence of progressive disease or death). ^cExploratory endpoint. ^dSecondary endpoint analysis in the full analysis set based on 42 events (36 PD, 6 deaths).



Best Percentage Change of Tumor Size from Baseline



Subjects

ESMO2021

^a3 patients were missing baseline or post-baseline target lesion assessment. Red line at 20% indicates progressive disease; green line at -30% indicates partial response. Analysis conducted in the full analysis set. Daiichi-Sanky



n (%)	Patients (N = 79)
Any drug-related TEAE	74 (93.7)
Drug-related TEAE Grade ≥3	21 (26.6)
Serious drug-related TEAE	8 (10.1)
Drug-related TEAE associated with discontinuation	7 (8.9)
Drug-related TEAE associated with dose reduction	15 (19.0)
Drug-related TEAE associated with an outcome of death	1 (1.3)

- Median treatment duration was 4.3 months (range, 0.7-15.9 months)
- The most common drug-related TEAEs associated with treatment discontinuation were investigatorreported pneumonitis (3.8%) and ILD (2.5%)
- The most common drug-related TEAEs associated with dose reduction were nausea (7.6%) and decreased neutrophil count (5.1%)

Drug-related TEAEs in ≥15% of Patients



	Patients (N = 79)		
n (%)	Any Grade	Grade ≥3	
Patients with ≥1 drug-related TEAEs	74 (93.7)	21 (26.6)	
Drug-related TEAEs with ≥15% incidenc	e in all patients		
Nausea	46 (58.2)	3 (3.8)	
Fatigue	29 (36.7)	3 (3.8)	
Vomiting	26 (32.9)	1 (1.3)	
Diarrhea	22 (27.8)	1 (1.3)	
Decreased appetite	18 (22.8)	1 (1.3)	
Alopecia	17 (21.5)	0	
Anemia	15 (19.0)	6 (7.6)	
Decreased platelet count	13 (16.5)	1 (1.3)	
Decreased neutrophil count	12 (15.2)	6 (7.6)	





	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
n (%)	2 (2.5)	3 (3.8)	0	0	1 (1.3)	6 (7.6)

- Median time to onset of adjudicated drug-related ILD/pneumonitis was 80.5 days (range, 53-85 days), with a median duration of 38.0 days (range, 15-142 days)
- 83% of adjudicated drug-related ILD/pneumonitis cases were low grade (Grade 1-2)

Conclusions



- DESTINY-Gastric02 is the first study focused only on 2L T-DXd monotherapy in Western HER2+ patients with gastric/GEJ cancer who progressed on a trastuzumab-containing regimen
- Efficacy results demonstrate clinically meaningful and durable responses
- Safety profile was generally consistent with the established safety profile of T-DXd
- DESTINY-Gastric02 provides clinical evidence for T-DXd as a valuable 2L HER2-targeted treatment option and supports the ongoing randomized phase 3 trial, DESTINY-Gastric04 (NCT04704934)





TROPION-PanTumor01: Updated Results From the NSCLC Cohort of the Phase 1 Study of Datopotamab Deruxtecan in Solid Tumors

Edward B. Garon, MD, MS

David Geffen School of Medicine at UCLA Los Angeles, CA, USA

Edward B. Garon,¹ Melissa Johnson,² Aaron E. Lisberg,¹ Alexander Spira,³ Noboru Yamamoto,⁴ Rebecca S. Heist,⁵ Jacob M. Sands,⁶ Kiyotaka Yoh,⁷ Funda Meric-Bernstam,⁸ Satoru Kitazono,⁹ Jonathan Greenberg,¹⁰ Fumiaki Kobayashi,¹¹ Ferdinand Guevara,¹⁰ Yui Kawasaki,¹¹ Toshio Shimizu⁴

¹David Geffen School of Medicine at UCLA, Los Angeles, CA, USA; ²Sarah Cannon Research Institute, Tennessee Oncology, PLLC, OneOncology, Nashville, TN, USA; ³Virginia Cancer Specialists and US Oncology Research, Fairfax, VA, USA; ⁴National Cancer Center Hospital, Tokyo, Japan; ⁵Massachusetts General Hospital, Boston, MA, USA; ⁶Dana-Farber Cancer Institute, Boston, MA, USA; ⁷National Cancer Center Hospital East, Chiba, Japan; ⁸The University of Texas MD Anderson Cancer Center, Houston, TX, USA; ⁹The Cancer Institute Hospital of JFCR, Tokyo, Japan; ¹⁰Daiichi Sankyo, Inc, Basking Ridge, NJ, USA; ¹¹Daiichi Sankyo Co, Ltd, Tokyo, Japan



Introduction and Methods



- Patients with advanced or metastatic NSCLC represent a high unmet need¹
- TROP2 is highly expressed in NSCLC and has been associated with poor prognosis²⁻⁴
- Datopotamab deruxtecan (Dato-DXd) is an antibody drug conjugate composed of a humanized anti-TROP2 monoclonal antibody conjugated to a potent topoisomerase I inhibitor payload via a stable tetrapeptide-based cleavable linker; this enables a bystander tumor effect resulting in elimination of both target tumor cells and surrounding cells^{5,6}
- Previous results from the TROPION-PanTumor01 first-in-human study of Dato-DXd (NCT03401385) demonstrated highly
 encouraging antitumor activity with a manageable safety profile in patients with NSCLC.^{6,7} Here we present updated results
 from the NSCLC cohort, with a data cutoff of April 6, 2021^a



TROPION-PanTumor01 Study Design

ADA, antidrug antibody; ECOG PS, Eastern Cooperative Oncology Group performance status; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; MTD, maximum tolerated dose; NSCLC, non-small cell lung cancer; PK, pharmacokinetics; Q3W, every 3 weeks; RECIST, Response Evaluation Criteria in Solid Tumors; TNBC, triple-negative breast cancer; TROP2, trophoblast cell-surface antigen 2.

^a This analysis in the NSCLC cohort was performed 6 months after the last patient received their first dose of study drug on October 6, 2020. ^b Includes patients treated in the dose-escalation and dose-expansion portions. ^c Pretreatment tumor tissue was required for retrospective analysis of TROP2 expression. ^d The 4-, 6-, and 8-mg/kg dose levels are being further evaluated for safety and efficacy. ^e Additional exploratory objectives include analyses of biomarkers associated with response. ^f Response assessments are based on RECIST v1.1.

1. Simeone JC, et al. *Future Oncol.* 2019;15(30):3491-3502. 2. Mito R, et al. *Pathol Int.* 2020;70(5):287-294. 3. Inamura K, et al. *Oncotarget.* 2017;8(17):28725-28735. 4. Jiang A, et al. *Oncol Lett.* 2013;6(2):375-380. 5. Okajima D, et al. AACR-NCI-EORTC 2019. Abstract C026. 6. Meric-Bernstam F, et al. ASCO 2021. Abstract 9058. 7. Spira A, et al. WCLC 2020. Abstract 3407.



Baseline Characteristics and Patient Disposition



	Dato-DXd dose			
Characteristic	4 mg/kg (n=50)	6 mg/kg (n=50)	8 mg/kg (n=80)	
Age, median (range), years Age ≥65 years, %	61 (35-82) 36	63 (38-76) 40	64 (31-84) 46	
Weight, median (range), kg	72 (38-156)	66 (39-104)	70 (38-115)	
Male, %	54	56	51	
Country, %				
United States	58	76	79	
Japan	42	24	21	
Histology, %				
Nonsquamous	82	90	88	
Squamous	18	10	13	
≥3 Prior lines of therapy, %	54	62	64	
Previous systemic treatment, %				
Immunotherapy	88	74	88	
Platinum-based chemotherapy	96	96	98	
Tyrosine kinase inhibitor	20	18	19	
EGFR mutations, %	14	16	19	
History of brain metastases, %	36	34	41	

	Dato-DXd dose		
Treatment status	4 mg/kg (n=50)	6 mg/kg (n=50)	8 mg/kg (n=80)
Ongoing study treatment, n (%) ^a	9 (18)	5 (10)	7 (9)
Discontinued from study treatment, n (%)	41 (82)	45 (90)	73 (91)
Progression ^b	31 (62)	34 (68)	43 (54)
Adverse events	8 (16)	6 (12)	20 (25)
Death	0	1 (2)	1 (1)
<u>Other</u> ^c	2 (4)	4 (8)	9 (11)
Duration on study, median (range), mo	12.1 (7-29)	9.5 (6-27)	16.8 (10-25)
Exposure, median (range), mo	4.1 (0.7-27.6)	3.5 (0.7-26.2)	3.3 (0.7-20.4)

 Patients were heavily pretreated, with 74%-88% having received prior immunotherapy and 96%-98% having received prior platinum-based chemotherapy across dose cohorts

Data cutoff: April 6, 2021.

EGFR, epidermal growth factor receptor.

^a Due to a later time of enrollment, follow-up was shorter for patients treated with the 4- and 6-mg/kg doses than for those treated with the 8-mg/kg dose. ^b Includes progressive disease per RECIST v1.1 and clinical progression. ^c Includes physician decision, withdrawal by subject, and other.



Safety

WCLC2021



Overall Safety Summary

	Dato-DXd dose			
Patients, n (%)	4 mg/kg (n=50)	6 mg/kg (n=50)	8 mg/kg (n=80)	
TEAE	49 (98)	49 (98)	80 (100)	
Grade ≥3	15 (30)	27 (54)	46 (58)	
Drug-related TEAE	47 (94)	41 (82)	78 (98)	
Grade ≥3	7 (14)	13 (26)	28 (35)	
Serious TEAE	10 (20)	24 (48)	40 (50)	
Grade ≥3	10 (20)	18 (36)	37 (46)	
Dose adjustments				
TEAEs associated with discontinuation	8 (16)	7 (14)	19 (24)	
TEAEs associated with dose interruption	4 (8)	15 (30)	29 (36)	
TEAEs associated with dose reduction	1 (2)	5 (10)	23 (29)	
ILD adjudicated as drug related ^a	5 (10)	3 (6)	11 (14)	
Grade ≤2	4 (8)	2 (4)	7 (9)	
Grades 3-4	1 (2)	1 (2)	1 (1)	
Grade 5	0	0	3 (4)	

 The safety profile was manageable with mainly mild/moderate toxicity; TEAEs were primarily nonhematologic

Data cutoff: April 6, 2021.

ILD, interstitial lung disease; TEAE, treatment-emergent adverse event.

^a Cases of ILD adjudicated as drug related comprised 5 patients in the 4-mg/kg cohort (1 grade 1, 3 grade 2, 1 grade 3), 3 patients in the 6-mg/kg cohort (2 grade 2, 1 grade 4), and 11 patients in the 8-mg/kg cohort (2 grade 1, 5 grade 2, 1 grade 3, 3 grade 5). ^b Of 180 patients (4 mg/kg [n=50]; 6 mg/kg [n=50]; 8 mg/kg [n=80]).

TEAEs in ≥15% of Patients^b



103

Antitumor Activity of Dato-DXd

Best Overall Response (BICR)



Dato-DXd dose 4 mg/kg 6 mg/kg 8 mg/kg Patientsa (n=50) (n=80) (n=50) ORR, n (%)^b 12 (24) 14 (28) 19 (24) CR, n (%) 1(1)0 0 PR, n (%)^b 12 (24) 14 (28) 18 (23) 25 (50) SD, n (%) 20 (40) 42 (53) Non-CR/PD, n (%) 1 (2) 2(4)2 (3) PD, n (%) 7 (14) 10 (20) 8 (10) NE, n (%) 5 (10) 5 (10) 9 (11) NE 10.5 9.4 DOR, median (95% CI), mo (2.8-NE) (5.6-NE) (5.8-NE)

- Antitumor activity was observed at 4-, 6-, and 8-mg/kg doses of Dato-DXd
- Most responses were durable over time, including a median duration of response of 10.5 months in the 6-mg/kg cohort

80-60 change in SOD from 40 20 % baseline, -20 -40 Best -60 Dose level 4 mg/kg -80 6 mg/kg -100 8 mg/kg

Best Change in Sum of Diameters (per BICR)





WCLC2021

BICR, blinded independent central review; CR, complete response; DOR, duration of response; NE, not evaluable; ORR, objective response rate; PD, progressive disease; PR, partial response; SOD, sum of diameters; SD, stable disease.

^a Includes response-evaluable patients who had ≥1 postbaseline tumor assessment or discontinued treatment. ^b ORR and CR/PR include 1 response in the 6-mg/kg cohort that is pending confirmation.

Data cutoff: April 6, 2021.



Summary

- In the updated data cutoff for the NSCLC cohort, Dato-DXd continued to demonstrate highly encouraging antitumor activity and a manageable safety profile at the 4-, 6-, and 8-mg/kg doses in this heavily pretreated population
- The 6-mg/kg dose has been selected for further development
 - The 6-mg/kg dose was better tolerated than the 8-mg/kg dose, with low rates of discontinuation due to adverse events
 - 28% of patients achieved an ORR, and the median DOR was 10.5 months
- TROPION-PanTumor01 is also investigating Dato-DXd in other tumor types. Promising antitumor activity and a similar safety profile have been observed in the TNBC cohort¹
- Dato-DXd is currently being evaluated in the phase 3 TROPION-Lung01 trial (NCT04656652)² and additional phase 1 and 2 trials in NSCLC³⁻⁵

1. Bardia A, et al. ESMO Breast Cancer 2021. Abstract LBA4. 2. ClinicalTrials.gov. https://clinicaltrials.gov/ct2/show/NCT04656652. 3. Levy B, et al. WCLC 2021. Abstract 564. 4. Borghaei H, et al. WCLC 2021. Abstract 588. 5. Johnson M, et al. WCLC 2021. Abstract 653.





Efficacy of Datopotamab Deruxtecan (Dato-DXd) in Patients With Advanced/Metastatic Non-Small Cell Lung Cancer (NSCLC) and Actionable Genomic Alterations (AGAs): Preliminary Results From the Phase 1 TROPION-PanTumor01 Study

<u>Edward B. Garon</u>,¹ Melissa L. Johnson,² Aaron E. Lisberg,¹ Alexander Spira,³ Noboru Yamamoto,⁴ Rebecca S. Heist,⁵ Jacob M. Sands,⁶ Kiyotaka Yoh,⁷ Funda Meric-Bernstam,⁸ Satoru Kitazono,⁹ Jonathan Greenberg,¹⁰ Fumiaki Kobayashi,¹¹ Yui Kawasaki,¹¹ Lori Jukofsky,¹⁰ Kota Nakamura,¹⁰ Toshio Shimizu⁴

¹David Geffen School of Medicine at UCLA, Los Angeles, CA, USA; ²Sarah Cannon Research Institute, Tennessee Oncology, PLLC/OneOncology, Nashville, TN, USA; ³Virginia Cancer Specialists, Fairfax, VA, USA; ⁴Department of Experimental Therapeutics, National Cancer Center Hospital, Tokyo, Japan; ⁵Massachusetts General Hospital, Boston, MA, USA; ⁶Dana-Farber Cancer Institute, Boston, MA, USA; ⁷National Cancer Center Hospital East, Chiba, Japan; ⁸The University of Texas, MD Anderson Cancer Center, Houston, TX, USA; ⁹The Cancer Institute Hospital of JFCR, Tokyo, Japan; ¹⁰Daiichi Sankyo, Inc, Basking Ridge, NJ, USA; ¹¹Daiichi Sankyo Co, Ltd, Tokyo, Japan





Introduction

- Patients with advanced/metastatic NSCLC with AGAs, eg, EGFR or ALK mutations, derive limited benefit from existing treatments once TKIs and platinum chemotherapy fail^{1,2}
- TROP2 is highly expressed in NSCLC, regardless of genomic mutation status, and has been associated with poor prognosis³⁻⁵
- Datopotamab deruxtecan (Dato-DXd) is an antibody-drug conjugate composed of a humanized anti-TROP2 monoclonal antibody conjugated to a potent topoisomerase I inhibitor payload via a stable tetrapeptide-based cleavable linker^{6,7}
- Previous results from the TROPION-PanTumor01 study (NCT03401385) demonstrated encouraging antitumor activity of Dato-DXd, with a manageable safety profile in heavily pretreated NSCLC.^{7,8} Here we present results in the subset of patients with AGAs



ALK, anaplastic lymphoma kinase; EGFR, epidermal growth factor receptor; IgG1, immunoglobulin G1; mAb, monoclonal antibody; NSCLC, non-small cell lung cancer; TKI, tyrosine kinase inhibitor; TROP2, trophoblast cell-surface antigen 2.

1. Scagliotti GV, et al. Cancer Treat Rev. 2015;41(6):465-475. 2. Maione P, et al. Ther Adv Med Oncol. 2015;7(5):263-273. 3. Mito R, et al. Pathol Int. 2020;70(5):287-294. 4. Inamura K, et al. Oncotarget. 2017;8(17):28725-28735. 5. Jiang A, et al. Oncol Lett. 2013;6(2):375-380. 6. Okajima D, et al. AACR-NCI-EORTC 2019. Abstract C026. 7. Meric-Bernstam F, et al. ASCO 2021. Abstract 9058. 8. Spira A, et al. WCLC 2020. Abstract 3407.



TROPION-PanTumor01 Study Design





ADA, antidrug antibody; ECOG PS, Eastern Cooperative Oncology Group performance status; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; MTD, maximum tolerated dose; PK, pharmacokinetics; Q3W, every 3 weeks; RECIST, Response Evaluation Criteria in Solid Tumors; TNBC, triple-negative breast cancer.

^a Pretreatment tumor tissue was required for retrospective analysis of TROP2 expression. ^b Includes patients treated in the dose-escalation and dose-expansion portions. ^c AGAs were investigator reported. ^d Additional exploratory objectives include analyses of biomarkers associated with response. ^e Response assessments are based on RECIST 1.1.

1. ClinicalTrials.gov. Accessed August 26, 2021. https://clinicaltrials.gov/ct2/show/NCT03401385. 2. Meric-Bernstam F, et al. ASCO 2021. Abstract 9058. 3. Spira A, et al. WCLC 2020. Abstract 3407.

ESMO2021
NSCLC With AGAs: Baseline Characteristics and Disposition



Characteristic	Dato-DXd n=34
Age, median (range), years	62 (42-80)
Weight, median (range), kg	60 (38-107)
Female, %	56
Nonsquamous histology, %	97
≥3 Prior lines of therapy, %	82
Previous systemic treatment, %	
Immunotherapy	41
Platinum-based chemotherapy	91
Tyrosine kinase inhibitor	85
Osimertinib	69 ^a
Actionable genomic alterations, %	
EGFR mutation ^b	85
ALK fusion	9
ROS1 fusion	3
RET fusion	3

Treatment status	Dato- <mark>DXd</mark> n=34
Received study treatment, %	
4 mg/kg	24
6 mg/kg	29
8 mg/kg	47
Ongoing study treatment, %	12
Discontinued from study treatment, %	88
Progression ^c	65
Adverse event	15
Death	3
<u>Other^d</u>	6
Duration on study, median (range), <u>mo</u>	13.4 (7-28)
Exposure, median (range), mo	5.8 (0.7-17.2)

Data cutoff: April 6, 2021.

RET, ret proto-oncogene ROS1, ROS proto-oncogene 1.

^a Among patients with *EGFR* mutations. ^b Among those with *EGFR* mutations, 10% had exon 20 insertions. ^c Includes progressive disease per RECIST 1.1 and clinical progression. ^d Includes physician decision, withdrawal by patient, and other.



NSCLC With AGAs: Safety

Adverse events, n (%)	Dato-DXd n=34
TEAE, %	100
Grade ≥3	53
Drug-related TEAE, %	88
Grade ≥3	38
Serious TEAE, %	35
Grade ≥3	29
Dose adjustments, %	
TEAEs associated with discontinuation	15
TEAEs associated with dose interruption	27
TEAEs associated with dose reduction	15
ILD adjudicated as drug related, na	1
Grade ≤2	0
Grade 3/4	0
Grade 5	1

Data cutoff: April 6, 2021.

ALP, alkaline phosphatase; ILD, interstitial lung disease; TEAE, treatment-emergent adverse event. ^a The case of adjudicated ILD occurred in a patient who received Dato-DXd 8 mg/kg. ^b Any grade TEAEs occurring in <10% of patients but with grade ≥3 occurring in ≥5% of patients included ulcerative keratitis. Garon EB, et al. WCLC 2021. Abstract MA03.02.



 The safety profile of Dato-DXd was manageable and consistent with that observed in the overall NSCLC population in TROPION-PanTumor01; TEAEs were primarily nonhematologic



Daiichi-Sankyo

NSCLC With AGAs: Antitumor Activity



		_ \$
Patients ^a	Dato- <mark>DXd</mark> n=34	
ORR, n (%)	12 (35)	, i
CR	0	acqu
PR	12 (35)	too
SD, n (%)	14 (41)	
Non-CR/PD, n (%)	2 (6)	
PD, n (%)	2 (6)	
NE, n (%)	4 (12)	
DOR, median (95% CI), <u>mo</u>	9.5 (3.3-NE)	

Best Overall Response (BICR)

- Clinical activity was observed in
- EGFR (Ex19del, L858R) including after osimertinib and across other AGAs

Best Change in SOD (BICR) and Tumor Genotype^b



Data cutoff: April 6, 2021.

BICR, blinded independent central review; CR, complete response; DOR, duration of response; incl, including; NE, not evaluable; ORR, objective response rate; PD, progressive disease; PR, partial response; SOD, sum of diameters; SD, stable disease; w/o, without.

a Includes response-evaluable patients who had ≥1 postbaseline tumor assessment or discontinued treatment. b 4 patients were not included in the waterfall plot: 2 who did not have a target lesion per BICR and 2 who did not have on-study treatment images. ^c Patient NE. ^d Patients with unconfirmed PR.

80 -

60



Summary



- Antitumor activity observed in heavily pretreated advanced NSCLC with AGAs is highly encouraging
 - The ORR was 35% and median DOR was 9.5 months, which was consistent with those in the overall NSCLC population
- The safety profile was manageable and consistent with that observed in the overall NSCLC study population¹
 - The most common AEs were nausea and stomatitis
 - AEs were generally grade 1/2
- Dato-DXd is being further evaluated in NSCLC with AGAs after targeted therapy and platinum-based chemotherapy options have been exhausted (TROPION-Lung05; NCT04484142)²
 - Eligible AGAs are EGFR (including exon 20 insertions), ALK, ROS1, RET, BRAF, NTRK, and MET exon 14 skipping

AE, adverse event; BRAF, B-Raf proto-oncogene; MET, MET proto-oncogene; NTRK, neurotrophic receptor tyrosine kinase. 1. Garon EB, et al. WCLC 2021. Abstract MA03.02. 2. Johnson ML, et al. WCLC 2021. Abstract P47.05.





A Phase 1/2 Multicenter, First-in-Human Study of DS-7300 (B7-H3 DXd-ADC) in Patients (pts) With Advanced Solid Tumors

Melissa L. Johnson,^{1,2} Toshihiko Doi,³ Sarina A. Piha-Paul,⁴ Shiraj Sen,⁵ Toshio Shimizu,⁶ Ben Cheng,⁷ Naoto Yoshizuka,⁷ Naoko Okamoto,⁸ Yasuyuki Okuda,⁸ Xiaozhong Qian,⁷ Gul Serbest,⁷ Tracey Hammett,¹ William E. Brady,¹ Johanna C. Bendell,^{1,2} Manish R. Patel^{1,9}

¹Sarah Cannon Research Institute, Nashville, TN; ²Tennessee Oncology, PLLC, Nashville, TN; ³National Cancer Center Hospital East, Chiba, Japan; ⁴The University of Texas MD Anderson Cancer Center, Houston, TX; ⁵Denver DDU, Sarah Cannon Research Institute at HealthONE, Denver, CO; ⁶National Cancer Center Hospital, Tokyo, Japan; ⁷Daiichi Sankyo, Inc, Basking Ridge, NJ; ⁸Daiichi Sankyo, Co., Ltd, Tokyo, Japan; ⁹Florida Cancer Specialists, Sarasota, FL



Background and Rationale



- B7 homologue 3 (B7-H3, CD276) is a transmembrane protein overexpressed in various cancers, including lung, prostate, esophageal, and breast cancers, and head and neck squamous cell carcinoma (HNSCC)¹⁻⁴
 - B7-H3 overexpression is associated with poor prognosis^{1,2,4}



Ad, adenocarcinoma; Eso, esophageal cancer; HCC, hepatocellular carcinoma; HNSCC, head and neck squamous cell carcinoma; NSCLC, non-small cell lung cancer; RCC, renal cell carcinoma; Sq, squamous cell carcinoma

1. Yamoto M, et al. EORTC-NCI-AACR 2020. Abstract 28. 2. Dong P, et al. Front Oncol. 2018;8:264. 3. Picarda E, et al. Clin Cancer Res. 2016;22(14):3425-3431. 4. Bendell JC, et al. J Clin Oncol. 2020;39(15 suppl 1). Abstract 2020.

Background and Rationale: DS-7300



Payload mechanism of action: topoisomerase I inhibitor ^{a,1-5}

High potency of payload ^{a,2-5}

Optimized drug-to-antibody ratio ^{a,c,1-}

Payload with short systemic half-life a,c,2,3

Stable linker-payload a,2,3,5

Tumor-selective cleavable linker^{a,2-6}

Bystander antitumor effect a,2,7

ESMO2021



^a The clinical relevance of these features is under investigation. ^b Image is for illustrative purposes only; actual drug-to-antibody ratio and drug positions may vary. ^c Based on animal data.
1. Okajima D, et al. Poster presented at: AACR-NCI-EORTC International Conference; October 26-30, 2019; Boston, MA. Abstract C026.
2. Nakada T, et al. *Chem Pharm Bull* (Tokyo).
2019;67(3):173-185.
3. Ogitani Y, et al. *Clin Cancer Res.* 2016;22(20):5097-5108.
4. Hashimoto Y, et al. *Clin Cancer Res.* 2019;25(23):7151-7161.
5. Koganemaru S, et al. *Mol Cancer Ther.* 2019;18(11):2043-2050.
6. Haratani K, et al. *J Clin Invest.* 2020;130(1):374-388.
7. Ogitani Y, et al. *Cancer Sci.* 2016;107(7):1039-1046.

A Multicenter, Open-Label, 2-Part, Multiple-Dose, First-in-Human, Phase 1/2 Study of DS-7300



NCT04145622



Key primary endpoints (Dose escalation):

- DLTs, SAEs, TEAEs, AESIs
- · Here, we report initial results from the dose-escalation portion of the trial

AESI, adverse event of special interest; BC, breast cancer; CRPC, castration-resistant prostate cancer; DLT, dose-limiting toxicity; ECOG PS, Easter Cooperative Oncology Group performance status; ESCC, esophageal squamous cell carcinoma; HNSCC, head and neck squamous cell carcinoma; IV, intravenous; mCRPC, metastatic castration-resistant prostate cancer; MTD, maximum tolerated dose; NSCLC, non-small cell lung cancer; Q3W, every 3 weeks; RDE, recommended dose for expansion; SAE, serious adverse event; SCLC, small cell lung cancer; TEAE, treatment-emergent adverse event



Results: Baseline Demographics and Disease Characteristics



		DS-7300 Dose Level								
	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total (N=70)	
Male, n (%)	3 (60)	4 (80)	5 (71.4)	3 (60)	7 (87.5)	11 (91.7)	17 (81)	5 (71.4)	55 (78.6)	
Age, median (range), years	64 (46-67)	69 (35-73)	66 (41-77)	59 (56-60)	59.5 (44-74)	68 (56-77)	69 (43-82)	57 (53-70)	65 (35-82)	
≥65 years, n (%)	2 (40)	3 (60)	5 (71.4)	0	3 (37.5)	9 (75)	14 (66.7)	1 (14.3)	37 (52.9)	
ECOG PS, n (%)										
0	4 (80)	3 (60)	4 (57.1)	3 (60)	4 (50)	2 (16.7)	6 (28.6)	3 (42.9)	29 (41.4)	
1	1 (20)	2 (40)	3 (42.9)	2 (40)	4 (50)	10 (83.3)	15 (71.4)	4 (57.1)	41 (58.6)	
Cancer type, n (%)										
CRPC	0	1 (20)	1 (14.3)	0	4 (50)	5 (41.7)	12 (57.1)	1 (14.3)	24 (34.3)	
HNSCC	1 (20)	1 (20)	3 (42.9)	0	1 (12.5)	1 (8.3)	3 (14.3)	2 (28.6)	12 (17.1)	
Sarcoma	2 (40)	1 (20)	1 (14.3)	0	1 (12.5)	1 (8.3)	1 (4.8)	1 (14.3)	8 (11.4)	
SCLC	0	0	1 (14.3)	0	1 (12.5)	2 (16.7)	3 (14.3)	1 (14.3)	8 (11.4)	
Endometrial cancer	0	1 (20)	0	1 (20)	0	0	1 (4.8)	1 (14.3)	4 (5.7)	
ESCC	1 (20)	0	0	1 (20)	0	2 (16.7)	0	0	4 (5.7)	
Squamous NSCLC	0	0	1 (14.3)	1 (20)	0	0	1 (4.8)	1 (14.3)	4 (5.7)	
Breast cancer	1 (20)	0	0	1 (20)	0	0	0	0	2 (2.9)	
Melanoma	0	1 (20)	0	1 (20)	0	0	0	0	2 (2.9)	
Bladder cancer	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)	
Prior lines of therapy, median	4	3	3	5	5	4	5	4	4	
(range)	(2-6)	(2-10)	(1-7)	(3-6)	(2-7)	(2-9)	(1-8)	(2-8)	(1-10)	

Data cutoff July 21, 2021

ECOG PS, Eastern Cooperative Oncology Group performance status; ESCC, esophageal squamous cell carcinoma; HNSCC, head and neck squamous cell carcinoma; NSCLC, non-small cell lung cancer; SCLC, small cell lung cancer

Results: Summary of Overall Safety

Daiichi-Sankyo

- No DLTs^a were observed in dose escalation
- All-grade AESIs of ILD/pneumonitis or IRRs occurred in 2 (2.9%) and 28 patients (40%), respectively; no hepatotoxicity occurred
- One case of grade 5 ILD (adjudicated as treatment related) occurred at 16 mg/kg and 1 case of grade 1 ILD (pending adjudication) occurred at 12 mg/kg

		DS-7300							
Patients, n (%)	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total (N=70)
Tx duration, median (range), weeks	13 (6-33)	12 (9-47.9)	12 (6-18)	12.1 (6-18)	17.1 (6-37)	21.1 (5.9-44)	14.9 (3-36)	6 (3-21.9)	13.1 (3-47.9)
TEAEs ^b	4 (80)	5 (100)	7 (100)	5 (100)	8 (100)	12 (100)	21 (100)	7 (100)	69 (98.6)
Grade ≥3 TEAEs⁵	0	0	1 (14.3)	1 (20)	1 (12.5)	5 (41.7)	9 (42.9)	5 (71.4)	22 (31.4)
Serious TEAEs ^b	1 (20)	0	2 (28.6)	1 (20)	1 (12.5)	3 (25)	4 (19.0)	3 (42.9)	15 (21.4)
TEAEs leading to death ^b	0	0	0	0	0	1 (8.3)	0	1 (14.3)	2 (2.9)
TEAEs leading to Tx discontinuation	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
AESIs ^b Infusion-related reactions Interstitial lung disease	1 (20) 0	0 0	1 (14.3) 0	3 (60) 0	4 (50) 0	4 (33.3) 0	11 (52.4) 1 (4.8)	4 (57.1) 1 (14.3)	28 (40) 2 (2.9)

Data cutoff July 21, 2021

AESI, adverse event of special interest; ILD, interstitial lung disease; IRR, infusion-related reaction; TEAE, treatment-emergent adverse event; Tx, treatment.

^a A DLT is defined as any TEAE that occurs during the DLT evaluation period excluding toxicities clearly related to disease progression or intercurrent illness and is grade ≥3 according to NCI-CTCAE Version 5.0. ^b Regardless of causality.

Results: Most Common TEAEs (Any Grade)



The most common TEAEs of any grade included nausea, IRRs, vomiting, and decreased appetite
All IRRs were grade ≤2

Most Common (Occurring in ≥10% of All Patients) Treatment-Emergent Adverse Events (Any Grade), Regardless of Causality										
TEAEs, n (%)	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total N=70	
Any TEAE	4 (80)	5 (100)	7 (100)	5 (100)	8 (100)	12 (100)	21 (100)	7 (100)	69 (98.6)	
Nausea	3 (60)	1 (20)	3 (42.9)	2 (40)	3 (37.5)	6 (50)	16 (76.2)	5 (71.4)	39 (55.7)	
IRR	1 (20)	0	1 (14.3)	3 (60)	4 (50)	4 (33.3)	11 (52.4)	4 (57.1)	28 (40)	
Vomiting	2 (40)	1 (20)	2 (28.6)	0	1 (12.5)	5 (41.7)	7 (33.3)	1 (14.3)	19 (27.1)	
Decreased appetite	1 (20)	1 (20)	3 (42.9)	1 (20)	3 (37.5)	3 (25)	6 (28.6)	2 (28.6)	20 (28.6)	
Dehydration	0	1 (20)	1 (14.3)	0	1 (12.5)	2 (16.7)	3 (14.3)	0	8 (11.4)	
Diarrhea	0	0	1 (14.3)	0	0	2 (16.7)	5 (23.8)	0	8 (11.4)	
Chills	0	0	1 (14.3)	0	0	3 (25)	5 (23.8)	0	9 (12.9)	
Fatigue	1 (20)	1 (20)	2 (28.6)	0	2 (25)	1 (8.3)	8 (38.1)	0	15 (21.4)	
Pyrexia	1 (20)	2 (40)	2 (28.6)	0	0	3 (25)	1 (4.8)	0	9 (12.9)	

Data cutoff July 21, 2021

Results: Grade ≥3 TEAEs



- The most common grade ≥3 TEAEs were anemia and lymphocyte count decreased
- The only Grade ≥3 treatment-related AEs were anemia (n=6), lymphocyte count decreased (n=2), neutropenia, asthenia, neutrophil count decreased, and ILD (n=1 each)

Grade ≥3 TEAEs, n (%)	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total N=70
Anemia	0	0	0	0	1 (12.5)	3 (25)	5 (23.8)	2 (28.6)	11 (15.7)
Lymphocyte count decreased	0	0	0	0	0	0	2 (9.6)	0	2 (2.8)
Interstitial lung disease	0	0	0	0	0	0	1 (14.3)	0	1 (1.4)
Febrile neutropenia	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Asthenia	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Blood creatinine increased	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
QT prolonged	0	0	1 (14.3)	0	0	0	0	0	1 (1.4)
Neutropeniaª	0	0	0	0	0	0	2 (9.6)	0	2 (2.8)
Dehydration	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Hypercalcemia	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Osteoarthritis	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Dyspnea	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Hypoxia	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Pleural effusion	0	0	0	1 (20)	0	0	0	0	1 (1.4)
Arterial thrombosis	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Myelosuppression	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
COVID-19	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Sepsis	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Urinary tract infection	0	0	0	0	0	0	1 (4.8)	0	1 (1.4)
Wound infection	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Cancer pain	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Encephalopathy	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)
Ureteric obstruction	0	0	0	0	0	1 (8.3)	0	0	1 (1.4)
Embolism arterial	0	0	0	0	0	0	0	1 (14.3)	1 (1.4)

Grade ≥3 Treatment-Emergent Adverse Events, Regardless of Causality

Data cutoff July 21, 2021. Includes neutrophil count decreased

Results: Initial Efficacy (Dose Escalation)



- Among 70 patients enrolled, 15 partial responses were observed^a
- 32 patients had stable disease, including 24 patients ongoing on study treatment

Summary of Efficac	y in Dose Escalation	(per RECIST v1.1)
--------------------	----------------------	-------------------

	DS-7300										
Patients, n	0.8 mg/kg (n=5)	1.6 mg/kg (n=5)	3.2 mg/kg (n=7)	4.8 mg/kg (n=5)	6.4 mg/kg (n=8)	8.0 mg/kg (n=12)	12.0 mg/kg (n=21)	16.0 mg/kg (n=7)	Total (N=70)		
Best response											
CR	0	0	0	0	0	0	0	0	0		
PR ^a	0	0	0	2	3	3	5	2	15 🔶		
SD	4	4	3	1	2	5	12	1	32		
PD	1	1	4	2	2	4	1	2	17		
NEb	0	0	0	0	1	0	3	2	6		

Data cutoff July 21, 2021

^a Total confirmed and unconfirmed PRs was 10 and 5, respectively; unconfirmed partial responses are still ongoing. ^b Not evaluable per RECIST v 1.1. CR, complete response; PD, progressive disease; NE, not evaluable; PR, partial response; SD, stable disease



Results: Initial Efficacy (Dose Escalation Cohorts)



ESMO2021



Results: Preliminary Efficacy (Dose Escalation Cohorts)



Data cutoff July 21, 2021



Daiichi-Sankyo

Case Summary: SCLC



- 69-year-old female with SCLC
- 7 prior therapies
- Treated with DS-7300 8.0 mg/kg IV Q3W



Case Summary: mCRPC



- 72-year-old male with stage IV CRPC
- 5 prior therapies
- Treated with DS-7300 6.4 mg/kg IV Q3W





TL, target lesion

Conclusions



- In this first-in-human trial of single-agent DS-7300, a novel B7-H3 ADC, no DLTs were observed, and DS-7300 was generally well tolerated across all doses investigated to date in heavily pretreated patients with advanced solid tumors
- 15 PRs, including 10 confirmed and 5 unconfirmed, were observed in RECIST-evaluable patients at various doses during dose escalation
- Dose expansion of the study (part 2) is open and currently enrolling patients with select solid tumor types, including SCLC, ESCC, and mCRPC, to further evaluate DS-7300 efficacy, safety, and tolerability

本資料に関するお問い合わせ先

第一三共株式会社

コーポレートコミュニケーション部

TEL: 03-6225-1125 (株式市場関係者の皆様) 03-6225-1126 (報道関係者の皆様)

Email: DaiichiSankyoIR@daiichisankyo.co.jp