Passion for Innovation. Compassion for Patients.™



Vision, Business Plan and Progress

DAIICHI SANKYO CO., LTD.

Junichi Onuma Senior Director, IR Group

November, 15 2018

Forward-Looking Statements



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2025 Vision and 5-Year Business Plan (5YBP)

Revised Target for 5YBP



About Daiichi Sankyo

About Daiichi Sankyo

A Japanese Pharmaceutical Company

Headquarters: Nihonbashi, Tokyo, Japan
 Chairman & CEO: Mr. George Nakayama
 President & COO: Dr. Sunao Manabe



 Revenue: US \$8.73 Bn (JPY 960.2 Bn)
 Operating profit: US \$694 Mn (JPY 76.3 Bn)*
 Listed on Tokyo Stock Exchange (Ticker code 4568) (ADR code DSNKY)

- Number of shares issued: 709 Mn
- Market cap: around US Market cap: around US Market (@US39 \sim 40)



Our History - Road after the Merger



Sankyo

1899~

pravastatin

(Mevalotin/Pravachol)

antihyperlipidemic agent



1989

Daiichi Sankyo 2005~

Olmesartan

(Olmetec/Benicar)

antihunartansiva agant



Daiichi

1915~

levofloxacin (Cravit/Levaquin)

synthetic antibacterial agent



Edoxaban

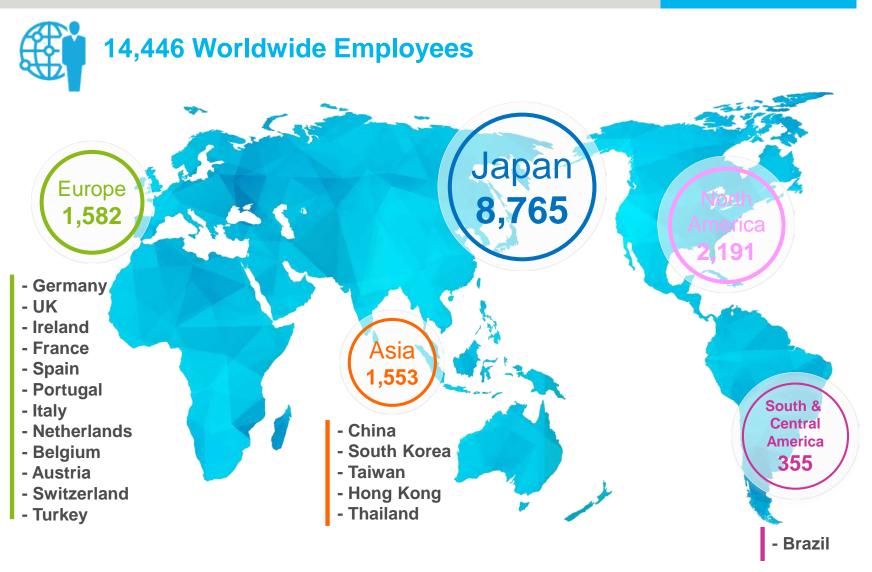
(Lixiana/Savaysa) anticoagulant agent



Employees and Bases

As of Mar. 2018

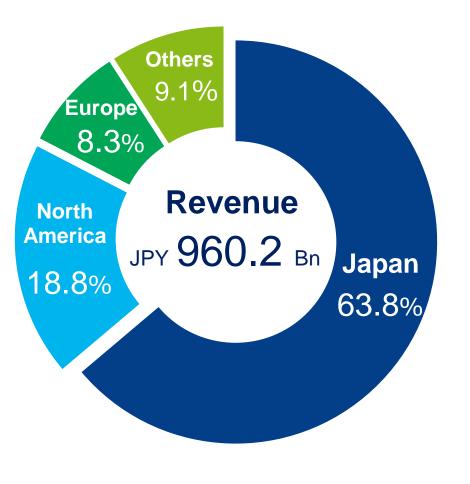




FY2017 Financial Results



(Bn JPY)



Revenue	960.2	100.0%
Cost of Sales	346.0	36.0%
SG&A Expenses	301.8	31.4%
R&D Expenses	236.0	24.6%
Operating Profit	76.3	7.9%
Profit before Tax	81.0	8.4%
Profit attributable to owners of the Company	60.3	6.3%

Equity attributable to owners of the Company	1,133.0
Total assets	1,897.8
Ratio of equity attributable to owners of the Company to total assets	59.7%
ROE	5.2%



2025 Vision and 5-Year Business Plan (5YBP)

2025 Vision



Global Pharma Innovator with Competitive Advantage in Oncology

Build a specialty area* centered on oncology as the core business

Enrich regional value aligned with market needs

Create innovative products – change SOC (Standard of Care)

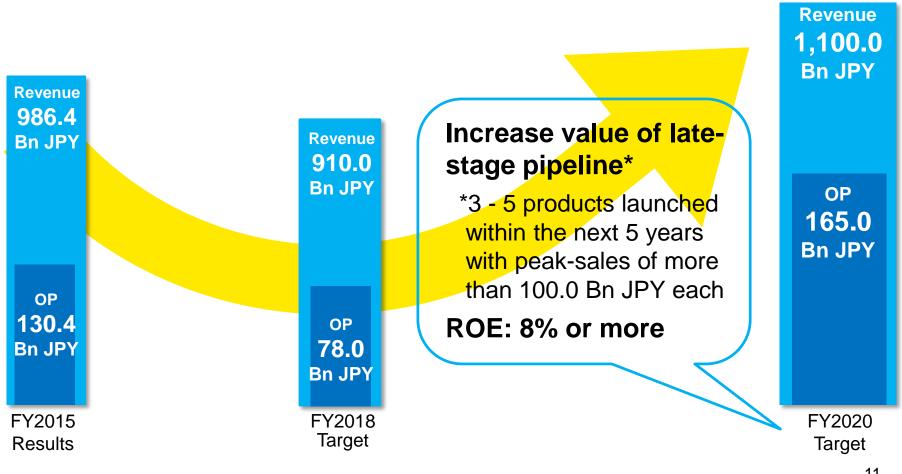
Realize shareholder value through highly efficient management

5-Year Business Plan (FY2016 - FY2020)



Challenge 1: Grow beyond the LOE of olmesartan

Challenge 2: Establish a foundation of sustainable growth





 Continuously Generate Innovative Medicine Changing SOC (Standard of Care)

Enhance Profit Generation Capabilities

Strategic Targets ~For establishing foundation of sustainable growth~



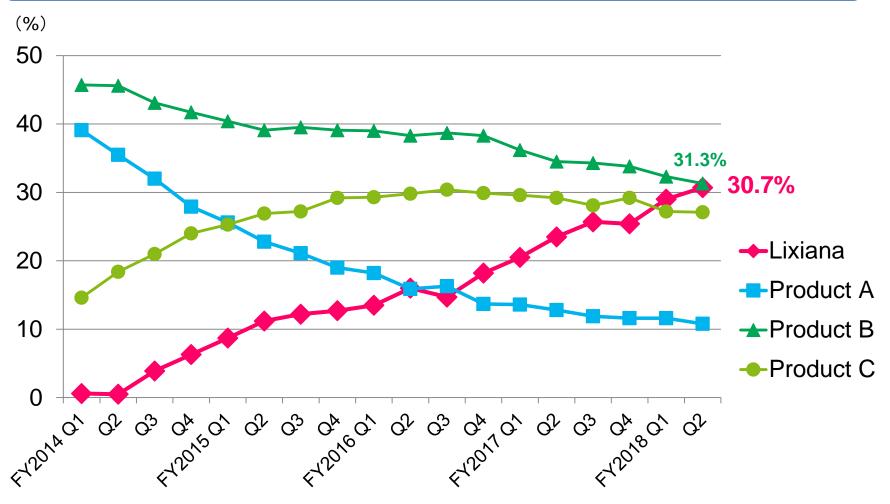




- Expand US Businesses
- Establish Oncology Business
- Continuously Generate Innovative Medicine Changing SOC (Standard of Care)
- Enhance Profit Generation Capabilities

Edoxaban: Growth in Japan

As of FY2018 Q2, Edoxaban (brand name in JP: Lixiana) closed in on No.1 sales share



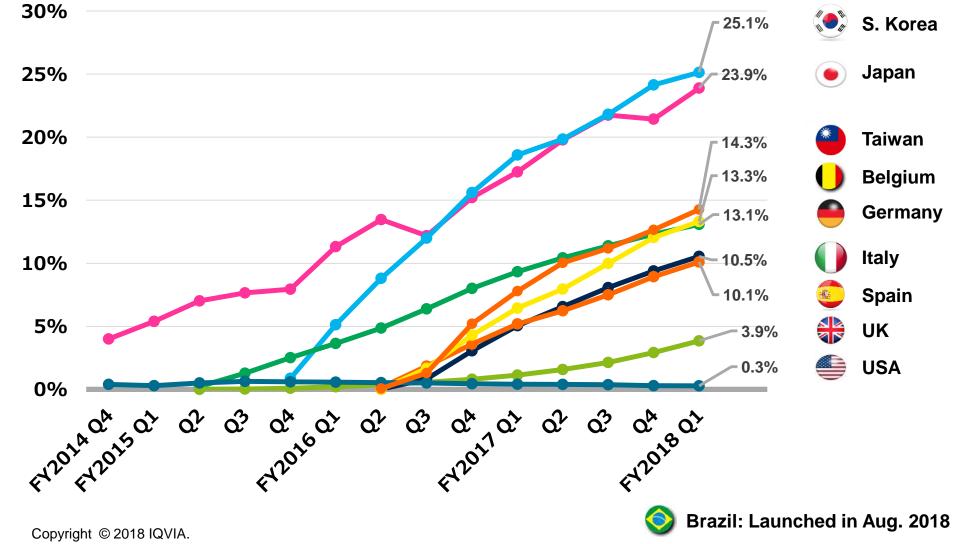
Copyright © 2018 IQVIA. Calculated based on JPM FY2014 Q1 - FY2018 Q2 Reprinted with permission Sales

Daiichi-Sankyo

Edoxaban: Growth in Each Country



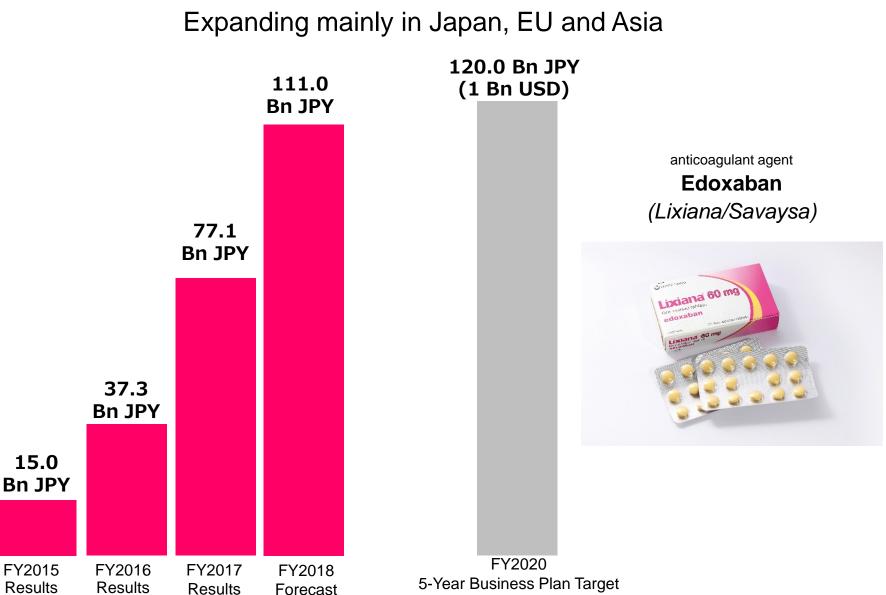
Edoxaban volume (DoT) % share of DOAC markets over time



Calculated based on MIDAS Data Reprinted with permission

Edoxaban: FY2020 Target





Conservative assumption that insurance reimbursement status in United States will remain unchanged





Grow Edoxaban

Grow as No.1 company in Japan

Expand US Businesses

- Establish Oncology Business
- Continuously Generate Innovative Medicine Changing SOC (Standard of Care)

Enhance Profit Generation Capabilities

Japan Business: 6 Major Products





antiplatelet agent

Ranmark

treatment for bone complication caused by bone metastases from tumors

type 2 diabetes mellitus inhibitor

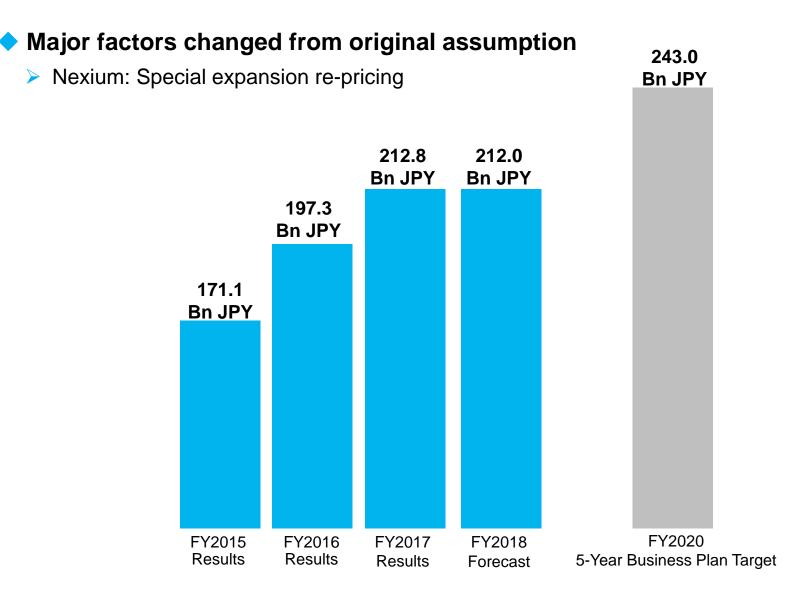
Headwind of Drug Pricing System in JP



- Introduced Special expansion re-pricing
- Limited application of Price Maintenance Premium (PMP)
 - Further price pressure on long-listed drugs
- Price revision may occur every year

Japan Business: 6 Major Products FY2020 Target









Grow Edoxaban



Expand US Businesses

- Establish Oncology Business
- Continuously Generate Innovative Medicine Changing SOC (Standard of Care)

Enhance Profit Generation Capabilities

Two Business Units in US





Daiichi Sankyo, Inc. (DSI) (Basking Ridge, NJ)

FY2018 revenue forecast: US\$ 281 Mn

With the LOE of key products, Daiichi Sankyo, Inc. will transition from a mature primary care company to one with a differentiated specialty portfolio centered on Pain and Oncology

Luitpold Pharmaceuticals, Inc. (LPI) (Shirley, NY)

FY2018 revenue forecast: US\$ 1,026 Mn

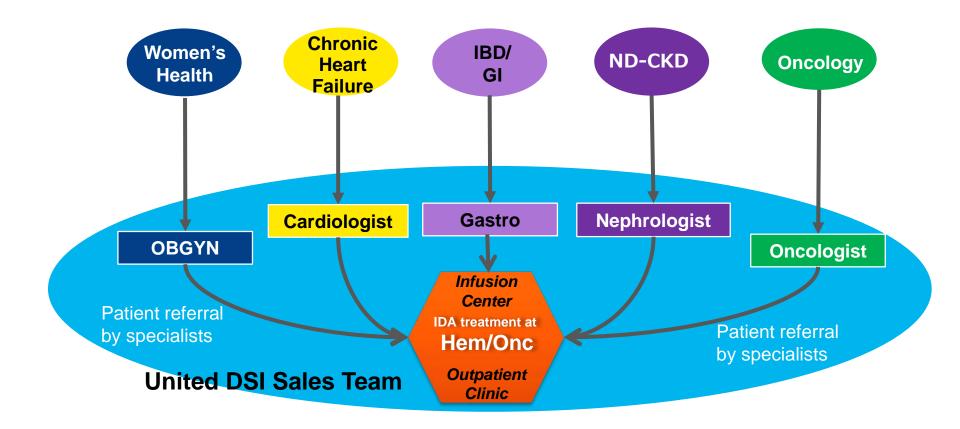
LPI successfully competes in high value specialty branded & generic injectable market segments with following franchises

- Iron Injectable Franchise
- Generic Injectable Franchise

Injectafer: Sales Team



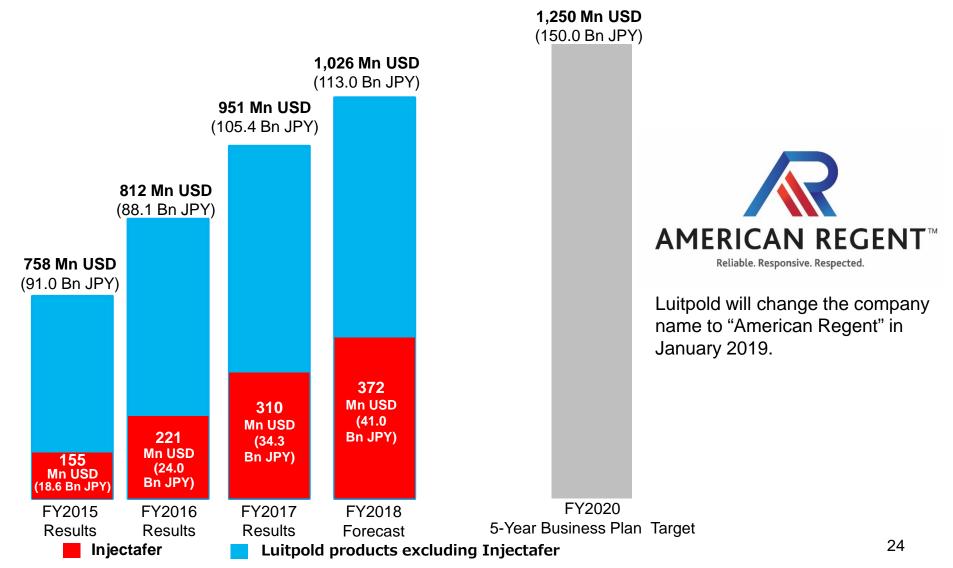
In Jan. 2017, LPI sales team for Injectafer became DSI employees: Now DSI and LPI are a united sales team for Injectafer



Luitpold Business: FY2020 Target



Realize rapid and sustainable growth with Iron franchise and Generic injectable franchise



Pain Franchise: FY2020 Target

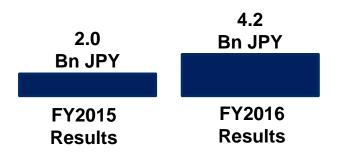


CL-108

Decided to return all of rights regarding CL-108

Mirogabalin

Did not meet the primary efficacy endpoint







Strategic Targets ~For establishing foundation of sustainable growth~



Grow Edoxaban

Grow as No.1 company in Japan

Expand US Businesses

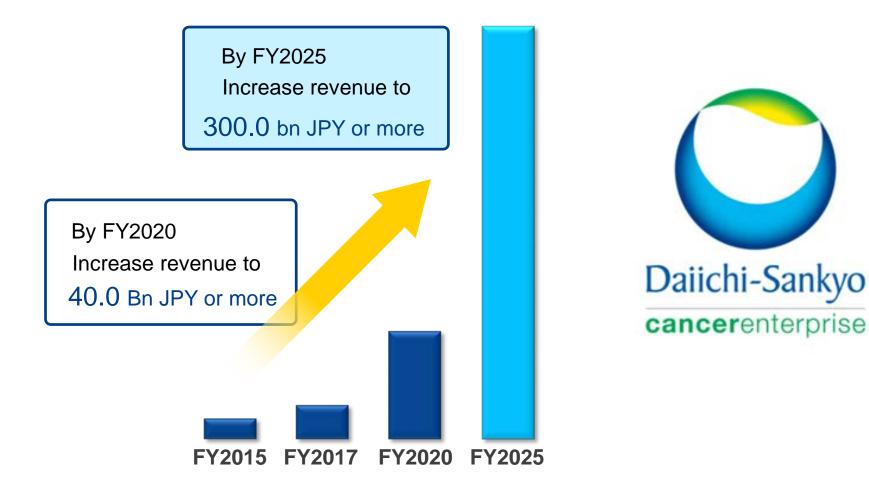
Establish Oncology Business

 Continuously Generate Innovative Medicine Changing SOC (Standard of Care)

Enhance Profit Generation Capabilities

Oncology Business: FY2020 Target

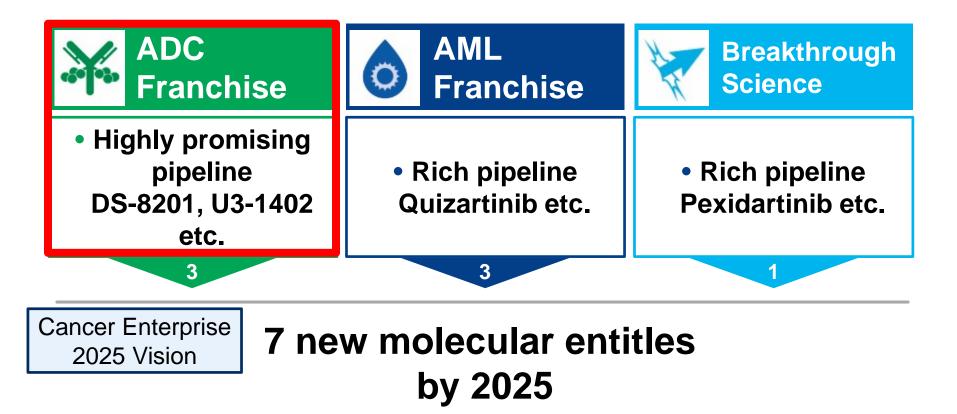




Current Progress of 5-Year Business Plan: Oncology Business



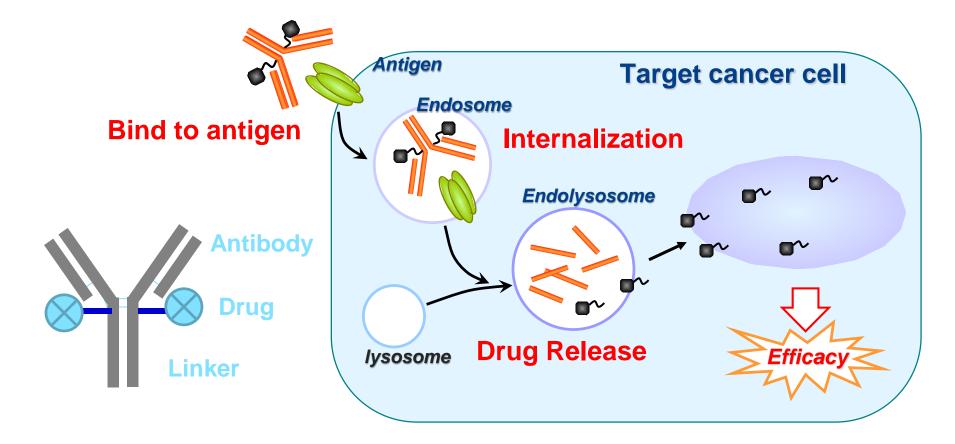
 Built 3 pillars of oncology business, ADC Franchise, AML Franchise and Breakthrough Science, and focus investments on the pillars



ADC technology: Mode of Action (MOA)

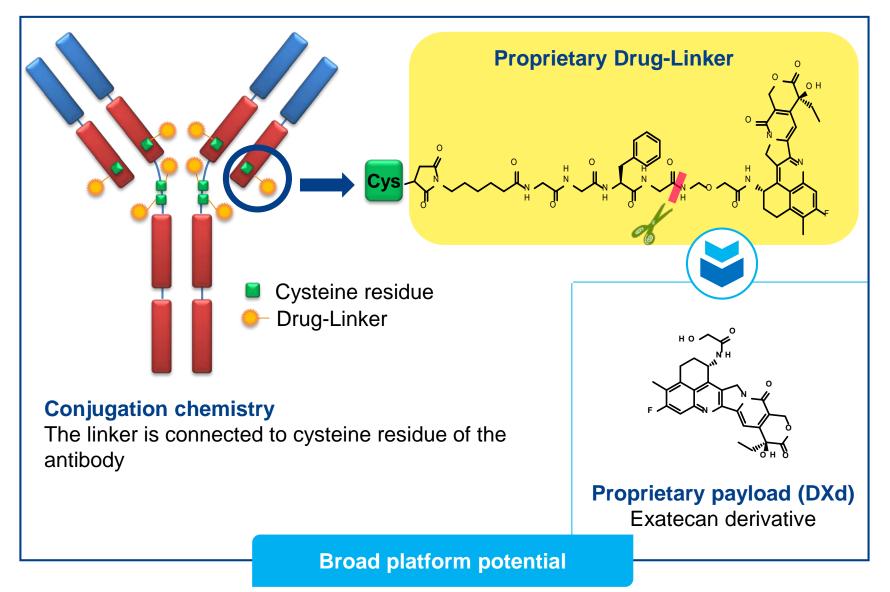


 ADC technology has broad application across multiple types of cancer
 Designed to deliver enhanced cancer cell destruction with less systemic exposure to chemotherapy



XDS's Proprietary ADC technology





ADC Franchise

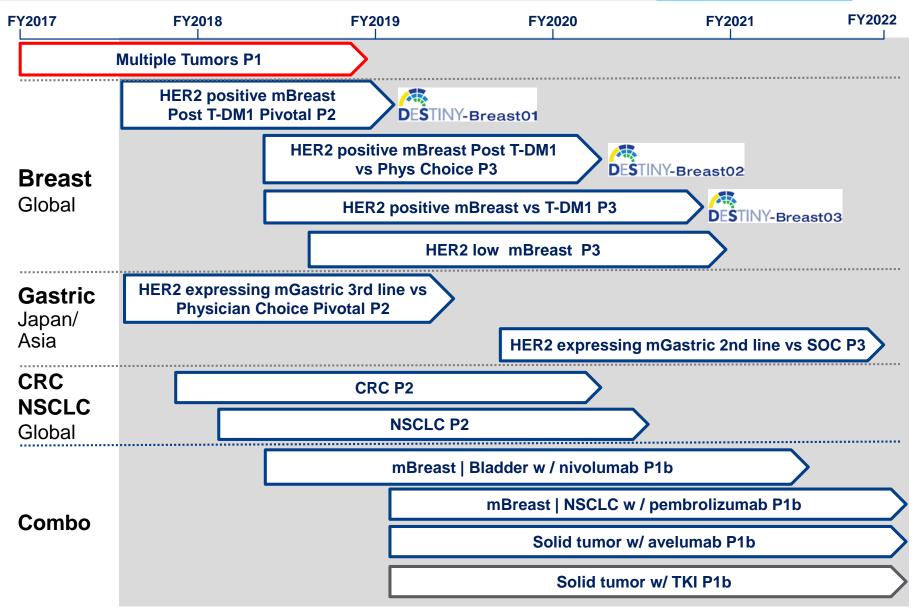


	ADC Franchise						
							Clinical stage
		Project (Target)	Potential Indication	Discovery	Pre- Clinical	Phase 1	Pivotal
	1	DS-8201 (HER2)	Breast, Gastric, CRC, NSCLC				
-	2	U3-1402 (HER3)	Breast, NSCLC				
	3	DS-1062 (TROP2)	NSCLC				
	4	DS-7300 (B7-H3)	Solid tumor				
-	5	DS-6157 (GPR20)	GIST				
	6	DS-6000 (undisclosed)	Renal, Ovarian				
	7	(TA-MUC1)	Solid tumor				

CRC: colorectal cancer, GIST: gastrointestinal stromal tumor, NSCLC: non-small cell lung cancer

K DS-8201: Clinical Program

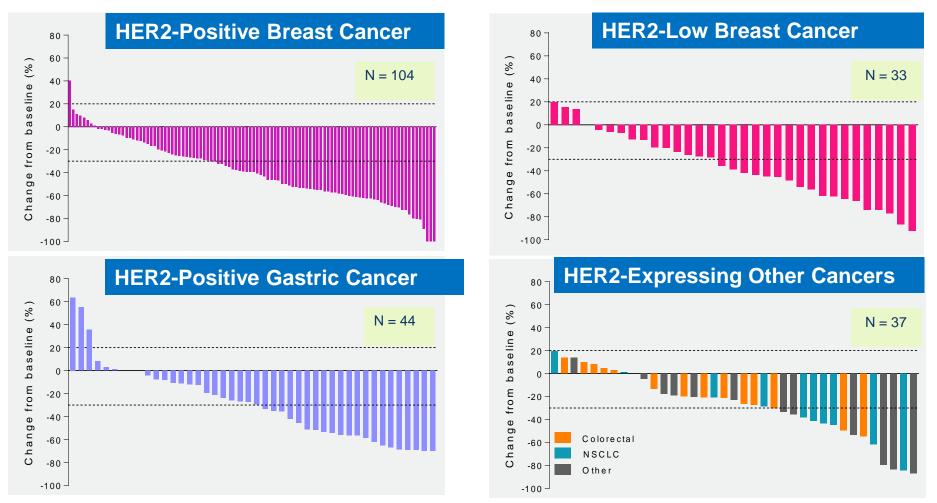




X DS-8201: P1 Study Efficacy

ASCO 2018 Presentation

Tumor Shrinkage by Tumor Types: (5.4 or 6.4 mg/kg)



Includes subjects who had ≥1 postbaseline scan. Dotted lines denote 20% increase and 30% reduction in tumor size, respectively.

*Confirmed response includes subjects who had ≥2 postbaseline scans, progressive disease, or discontinued treatment for any reason prior to second postbaseline scan. Data cutoff is April 18, 2018.

X DS-8201: P1 Study Efficacy



Efficacy Outcomes by Tumor Type (5.4 or 6.4 mg/kg)

	HER2-Positive BC N = 111	HER2-Low BC N = 34	HER2-Positive GC N = 44	HER2-Expressing Other Cancers N = 51
Confirmed ORR* % (n/N)	54.5% (54/99)	50.0% (17/34)	43.2% (19/44)	38.7% (12/31)
DCR % (n/N)	93.9% (93/99)	85.3% (29/34)	79.5% (35/44)	83.9% (26/31)
ORR in modified ITT**, % (n/N)	48.6% (54/111)	50.0% (17/34)	43.2% (19/44)	23.5% (12/51)
DOR				
Median (95% CI), months	NR	11.0 (NA)	7.0 (NA)	12.9 (2.8, 12.9)
PFS				
Median, (95% CI), months	NR	12.9 (NA)	5.6 (3.0, 8.3)	12.1 (2.7, 14.1)
Min, max	1.0, 22.2+	0.5, 19.6+	1.2, 19.6+	0.7, 14.1+

* Confirmed response includes subjects who had ≥2 postbaseline scans, had progressive disease, or discontinued treatment for any reason prior to second postbaseline scan. ** Modified ITT population included all subjects who received ≥1 dose of DS-8201a at either 5.4 or 6.4 mg/kg, including those subjects who were too early to assess, but are ongoing on study.

+ after value indicates censoring.

BC, breast cancer; CI, confidence interval; DCR, disease control rate; DOR, duration of response; GC, gastric/gastroesophageal junction cancer; HER2, human epidermal growth factor receptor 2; ITT, intent-to-treat; NA, not available; NR, not reached; ORR, overall response rate; PFS, progression-free survival. Data cutoff for this analysis is April 18, 2018.

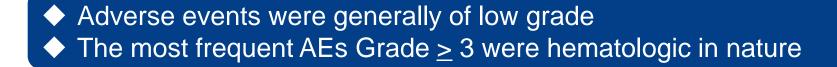
ORR of HER2-Low BC was 50%, similar to HER2-positive BC, 54.5%
ORR of GC was 43.2%
ORR of other Cancer (NSCLC, CRC, etc.) was 38.7%

✓ DS-8201: Frequent TEAEs (≥20%) (all tumor types from part 1 and part 2)



All tumor types from P1 study part 1 and part 2; 5.4 or 6.4 mg/kg ^a (N = 259)			
	Any Grade, n (%)	Grade ≥3, n (%)	
Nausea	192 (74.1)	9 (3.5)	
Decreased appetite	147 (56.8)	12 (4.6)	
Vomiting	113 (43.6)	6 (2.3)	
Anemia	98 (37.8)	50 (19.3)	
Alopecia	97 (37.5)	0	
Fatigue	88 (34.0)	6 (2.3)	
Diarrhea	87 (33.6)	6 (2.3)	
Constipation	85 (32.8)	2 (0.8)	
Platelet count decreased	73 (28.2)	27 (10.4)	
Neutrophil count decreased	66 (25.5)	40 (15.4)	
White blood cell count decreased	66 (25.5)	32 (12.4)	
Malaise	58 (22.4)	1 (0.4)	
Pyrexia	53 (20.5)	2 (0.8)	
Aspartate aminotransferase increased	53 (20.5)	4 (1.5)	

Data cutoff, August 10, 2018. A subject was counted once if the same AE was reported more than once. aAll subjects from Part 1 and Part 2 receiving ≥1 dose of [fam-] trastuzumab deruxtecan 5.4 mg/kg or 6.4 mg/kg regardless of tumor type. AE, adverse event; TEAE, treatment-emergent adverse event.



Data Presented @ WCLC 2018 Data presented @ ESMO 2018

DS-8201: Adverse Events of Special Interest (all tumor types from part 1 and part 2)

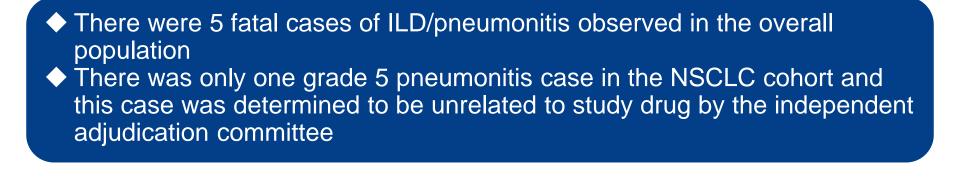


All tumor types from P1 study part 1 and part 2; 5.4 or 6.4 mg/kg ^a (N = 259)			
	Any Grade, n (%)	Grade ≥3, n (%)	
AST increased	53 (20.5)	4 (1.5)	
ALT increased	40 (15.4)	2 (0.8)	
Blood bilirubin increased	6 (2.3)	1 (0.4)	
Ejection fraction decreased	2 (0.8)	0	
Electrocardiogram QT prolonged	13 (5.0)	1 (0.4)	
Interstitial lung disease (ILD)	10 (3.9)	2 (0.8)	
Pneumonitis	22 (8.5)	6 (2.3)	
Infusion-related reactions	4 (1.5)	0	

Data cutoff, August 10, 2018.

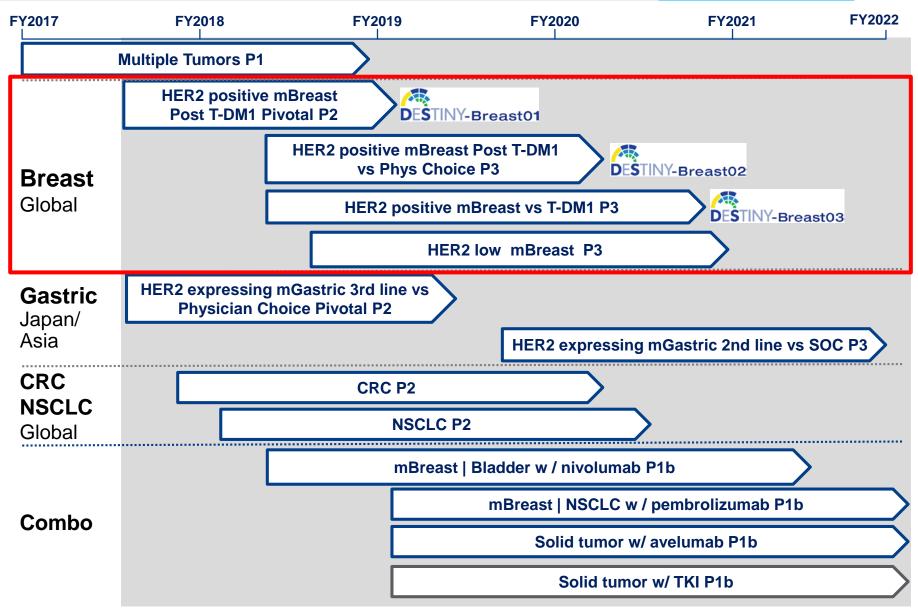
^aAll subjects from Part 1 and Part 2 receiving ≥1 dose of [fam-] trastuzumab deruxtecan 5.4 mg/kg or 6.4 mg/kg regardless of tumor type.

ALT, alanine aminotransferase; AST, aspartate aminotransferase; ILD, interstitial lung disease; NSCLC, non-small cell lung cancer; QTc, QT interval corrected for heart rate.



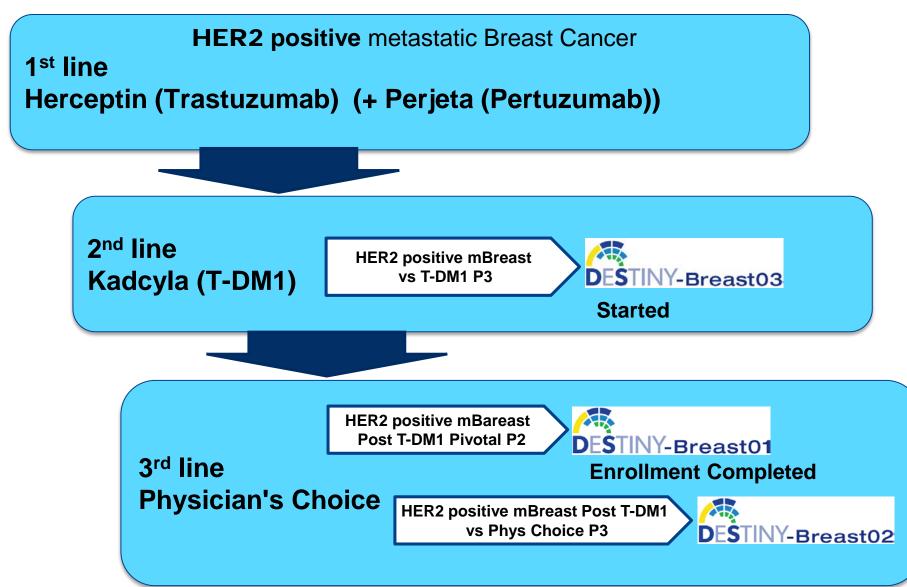
K DS-8201: Clinical Program





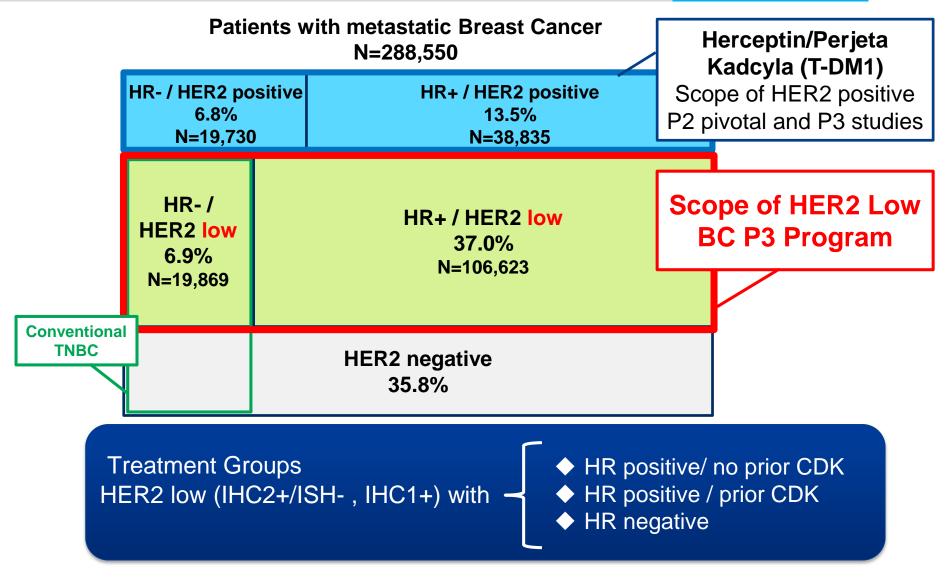
X DS-8201 : HER2 Positive Metastatic Breast Cancer



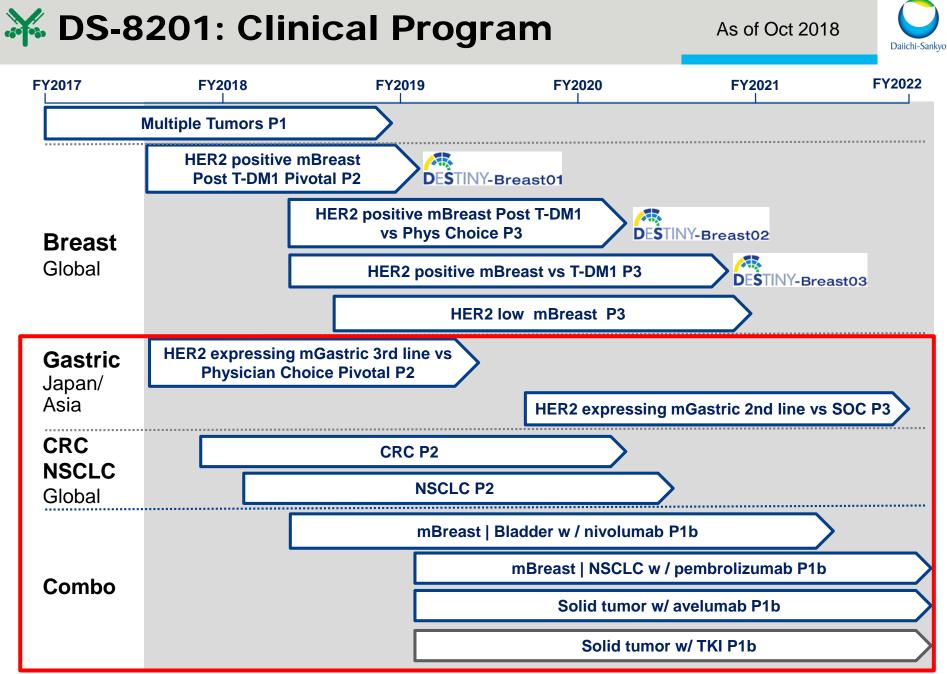


K DS-8201 : HER2 Low BC Phase 3 Target Population





HR: hormone receptor; TNBC: triple negative breast cancer HR-: estrogen-receptor (ER) and progesterone-receptor (PR) negative



X DS-8201: Other than Breast Cancer





Pivotal P2 study is on track P3 study is under preparation

CRC: P2 study is on track
NSCLC: P2 study is on track





Started Opdivo (nivolumab) combo study Signed Keytruda (pembrolizumab) combo study alliance

Signed Bavencio (avelumab) combo study alliance

ADC Franchise

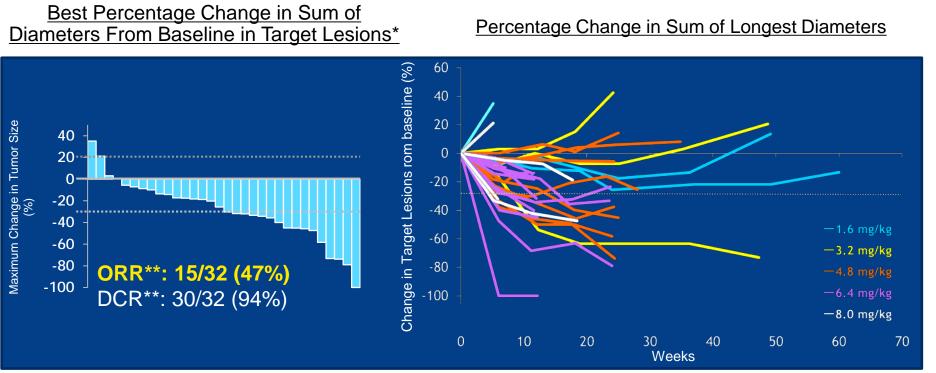


ADC Franchise											
						Clinical stage					
	Project (Target)	Potential Indication	Discovery	Pre- Clinical	Phase 1	Pivotal					
1	DS-8201 (HER2)	Breast, Gastric, CRC, NSCLC									
2	U3-1402 (HER3)	Breast, NSCLC									
3	DS-1062 (TROP2)	NSCLC									
4	DS-7300 (B7-H3)	Solid tumor									
5	DS-6157 (GPR20)	GIST									
6	DS-6000 (undisclosed)	Renal, Ovarian									
7	(TA-MUC1)	Solid tumor									

CRC: colorectal cancer, GIST: gastrointestinal stromal tumor, NSCLC: non-small cell lung cancer

W U3-1402: BC P1/2 Study Efficacy





*Analysis set: Efficacy evaluable patients with at least one scan. Baseline is defined as the last measurement taken before the first dose of study drug. **Investigators assessment. For each patient, the best percent change from baseline in the sum of diameters for all target lesions is represented by a vertical bar. DCR = disease control rate; ORR = objective response rate. Based on April 27, 2018 data cutoff.

U3-1402 data resembles that of early DS-8201 data

U3-1402 ASCO 2018 ORR : 15/32 (47%)

DS-8201 ESMO 2016 ORR : 7/20 (35%)

Validates portability of ADC technology

X U3-1402: BC P1/2 Study Safety



Treatment-Emergent Blood and Liver related AE in ≥ 15% Patients, Dose Escalation Phase (Total N = 34)*

Preferred Term	All Grades (%)	Grade ≥ 3 (%)	Preferred Term	All Grades (%)	Grade ≥ 3 (%)
Platelet count decreased/Thrombocytopenia	23 (68)	10 (29)	ALT increased	13 (38)	3 (9)
	20 (59)	9 (27)	AST increased	13 (38)	3 (9)
Neutrophil count decreased/Neutropenia			Blood alkaline phosphatase increased	6 (18)	0
White blood cell count decreased	18 (53)	6 (18)	Increased		
Anemia	13 (38)	4 (12)			

*Analysis set: Patients who received at least one dose of U3-1402. Percentage is calculated using the number of patients in the column heading as the denominator. TEAE = treatment-emergent adverse event.

Based on April 27, 2018 data cutoff.

DLTs consisted of the followings:

- 4.8 mg/kg: one case of Gr.4 platelet count decreased
- 6.4 mg/kg: one case of Gr.4 platelet count decreased
- 8.0 mg/kg: one case of Gr.4 platelet count decreased, Gr.3 AST increased, Gr.3 ALT increased one case of Gr.3 ALT increased
- MTD has not been reached
- Serious AE's noted in 11 (32%) of treated patients
- Majority of TEAEs were Grades 1 and 2 and toxicities have so far been manageable

Summary of ADC Franchise 1/2



DS-8201

- Further evaluation in:
 - HER2+ mBC who failed Herceptin and/or Kadcyla
 - HER2 low mBC where there is no approved HER2 targeted therapy

Patient population is twice of HER 2 positive mBC

- HER2 expressing mGC where Herceptin is only approved HER2 targeted therapy
- HER2 expressing/mutated NSCLC/CRC where there is no approved HER2 targeted therapy



- Showed similarity to earlier DS-8201 clinical data in P1 Breast study
- P1 NSCLC study is on track
- 2nd ADC to show clinical activity: proof of DS ADC technology as validated platform

GPR20





- DS-1062: P1 NSCLC study is on track
 DS-7300: Will start P1 study in FY2019
 DS-6157: disclosed target antigen=>
 - 46

Next Data Points and R&D Day





 December 1-3, 2018: American Society of Hematology (ASH) @ San Diego
 AML Franchise: Multiple abstracts submitted (including Quizartinib QuANTUM-R)

December 4-8, 2018: San Antonio Breast Cancer Symposium (SABCS)

- DS-8201
- P1 study BC HER2 positive/low update
- Dose justification for BC P2 and P3 studies
- Result of ILD Adjudication Committee

U3-1402

BC P1 study update



R&D Day

December 12, 2018 15:00 – 17:00 (plan) @ Daiichi Sankyo Headquarters



Revised Target for 5-Year Business Plan

Current Progress of 5-Year Business Plan



- **Edoxaban: Growing** in momentum beyond the initial target
- Luitpold (US): Maintaining a high level growth
- Oncology: Enriching our pipeline value including DS-8201
- Pain Business (US): Difficult to achieve the initial target
 - Japan Business: Future business environment getting severe

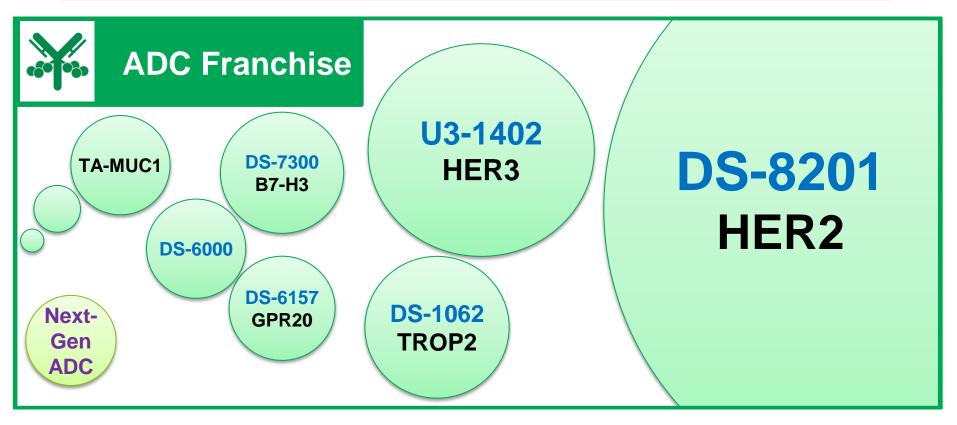


Difficult to achieve the FY2020 Target : OP 165.0 Bn JPY

Current Progress of 5-Year Business Plan: ADC Franchise



Established ADC technology as a platform technology
 DS-8201: Accumulated promising clinical data
 U3-1402: Disclosed promising preliminary clinical data
 Increasing expectation on other ADCs

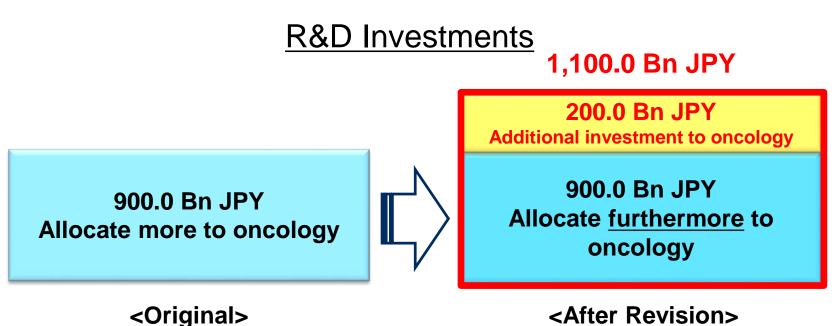


Oncology Business: Increase Investments



FY2018 - FY2022 (5 Years)

R&D Investments: 1.1 Tn JPY Prioritize the investments to maximize the potential of ADC franchise Capital Exp. to enhance oncology: 25.0 Bn JPY or more



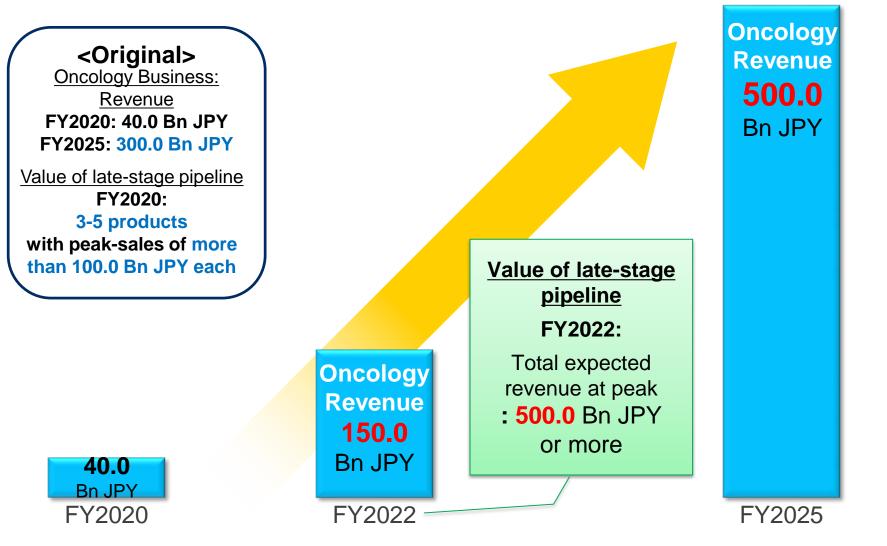
FY2016 - FY2020 (5 Years)

<After Revision>
FY2018 - FY2022 (5 Years)

Oncology Business: Revenue Target



Expand the future oncology revenue by accelerating and enhancing the investments



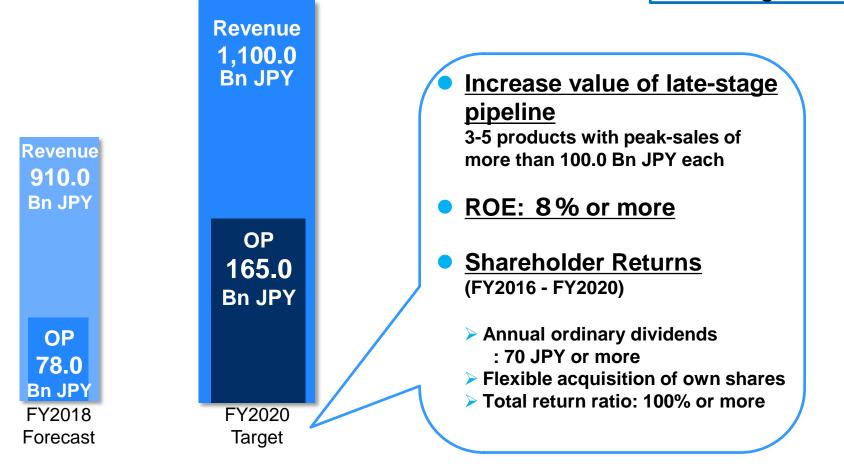
5-Year Business Plan (Original)



Grow beyond FY2017 LOE of olmesartan
 Establish a foundation of sustainable growth

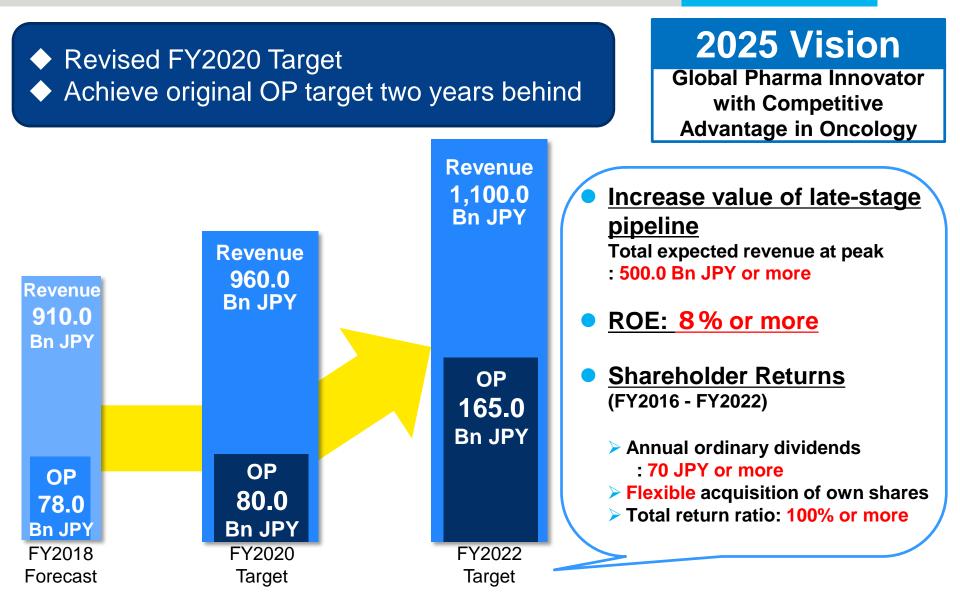
2025 Vision

Global Pharma Innovator with Competitive Advantage in Oncology



Revised Target for 5-Year Business Plan





* The targets excludes the impact of gain on sales of fixed assets, transformation business portfolio and partnering



Shareholder Returns Policy: FY2016 - FY2022

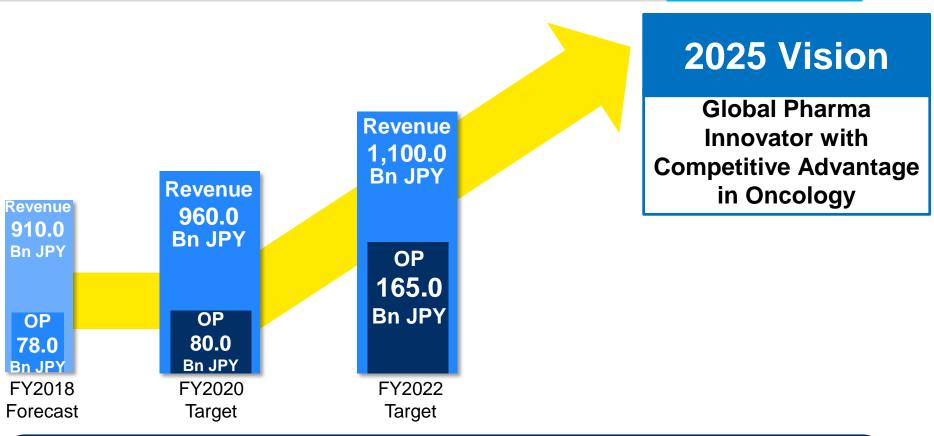


Annual ordinary dividends: 70 JPY dividend in FY2016 and FY2017
 Acquisition of own shares: 50.0 Bn JPY in both FY2016 and FY2017
 Total return ratio : 100% or more (extended to FY2022)

*Total return ratio = (Dividends + Total acquisition costs of own shares) / Profit attributable to owners of the company

Toward 2025 Vision





 Enhance investments and maximize oncology business R&D investments: 1.1 Tn JPY, Oncology revenue: 500 Bn JPY in FY2025
 Commitment of FY2022
 OP 165 Bn JPY, ROE 8% or more, Value of late-stage pipeline* 500 Bn JPY or more, Total return ratio 100% or more

* Total expected revenue at peak

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