Q1/FY2020 FINANCIAL RESULTS ENDED JUNE 30, 2020



Naoki Okamura

Representative Director, Corporate Executive Vice President, Chief Strategy Officer and Chief Financial Officer Astellas Pharma Inc.

August 4, 2020

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING INFORMATION

In this material, statements made with respect to current plans, estimates, strategies and beliefs and other statements that are not historical facts are forward-looking statements about the future performance of Astellas Pharma. These statements are based on management's current assumptions and beliefs in light of the information currently available to it and involve known and unknown risks and uncertainties. A number of factors could cause actual results to differ materially from those discussed in the forward-looking statements. Such factors include, but are not limited to: (i) changes in general economic conditions and in laws and regulations, relating to pharmaceutical markets, (ii) currency exchange rate fluctuations, (iii) delays in new product launches, (iv) the inability of Astellas to market existing and new products effectively, (v) the inability of Astellas to continue to effectively research and develop products accepted by customers in highly competitive markets, and (vi) infringements of Astellas' intellectual property rights by third parties.

Information about pharmaceutical products (including products currently in development) which is included in this material is not intended to constitute an advertisement or medical advice.



AGENDA

Q1/FY2020 Consolidated Financial Results and FY2020 Revised Forecasts

Initiatives for Sustainable Growth

Capital Allocation



Q1/FY2020 FINANCIAL RESULTS: OVERVIEW

Revenue and Core OP decreased overall Sales of growth drivers steadily increased

- In particular, sales of XTANDI and PADCEV exceeded expectations; growth of main products offset most of the sales decreases from termination of sales and distribution in Japan and LOE
- Negative impact on financial results from the spread of COVID-19



Q1/FY2020 FINANCIAL RESULTS

(billion yen)	Q1/FY19	Q1/FY20	Change (amount)	Change (%)	CER growth
Revenue	334.1	307.0	-27.2	-8.1%	-6.0%
Cost of sales % of revenue	70.5 21.1%	59.7 19.4%	-10.9	-15.4%	
SG&A expenses	117.5	120.8	+3.3	+2.8%	
R&D expenses	53.5	57.3	+3.8	+7.1%	
Amortisation of intangible assets	7.2	5.9	-1.3	-18.4%	
Core operating profit	84.7	63.4	-21.4	-25.2%	-18.4%
<full basis=""></full>					
Other income	4.5	2.2	-2.3	-50.4%	
Other expense	12.2	4.8	-7.4	-60.6%	
Operating profit	77.1	60.8	-16.3	-21.1%	
Profit before tax	76.5	60.2	-16.3	-21.3%	
Profit	58.5	50.4	-8.1	-13.9%	**astellas

Q1/FY2020 FINANCIAL RESULTS: REVENUE

Growth of main products offset most of the sales decreases from termination of sales and distribution in Japan and LOE

	Q1/FY19	Q1/FY20	Change
Revenue	334.1 bil. yen	307.0 bil. yen	-27.2 bil. yen

Sales increases in main products

XTANDI, XOSF	PATA, PADCEV,	mirabegron,
New products	in Japan	

+28.1 bil. yen



Impact of the LOE/termination of sales and distribution in Japan

Vesicare EU, Tarceva, Celecox, MYCAMINE US/Funguard Symbicort, KM bio products, Micardis

-28.8 bil. yen



Impact of COVID-19: Aprrox. -23.0 bil. yen

- Reversal of inventory build in Q4/FY19 (XTANDI EU, Prograf EU, etc.)
- Demand volume decrease due to reduction of in-person hospital/clinic visits (OAB products, Lexiscan, EVENITY, etc.)



Q1/FY2020 FINANCIAL RESULTS: SALES OF MAIN PRODUCTS

Q1/FY2020 sales

XTANDI

112.0 billion yen +16.0 (+17%)

XOSPATA

5.6 billion yen +3.2 (+128%)

PADCEV

3.0 billion yen +3.0

mirabegron

40.4 billion yen +0.5 (+1%)

New products in Japan

18.2 billion yen +5.4 (+42%)

- ✓ Record quarterly sales
- ✓ Demand grew in excess of 30% in US
- ✓ Approved additional indication in Japan in May 2020
- ✓ In addition to Japan and US, contribution from sales in Europe (+1.0 bil. yen)
- ✓ Launched in US in Dec 2019 Positive uptake thus far
- ✓ Double-digit growth in US
- ✓ Global sales remain flat as demand reduced due to the impact of COVID-19
- ✓ Steady growth driven by EVENITY (+3.4 bil. yen) and Suglat-Family (+1.1 bil. yen)



Q1/FY2020 FINANCIAL RESULTS: COST ITEMS

Core basis: Year-on-Year comparison

Cost of sales % of revenue 1.7ppt decrease



✓ Decrease mainly due to changes in product mix
 (FX impact on elimination of unrealized gain: Increase in COGs ratio (+1.1ppt))

SG&A expenses

2.8% increase



√ 4.8% decrease, excluding increased XTANDI co-promotion fee due to sales expansion in US

✓ Decrease in spending of sales promotion expenses and travel expenses due to the impact of COVID-19

R&D expenses

7.1% increase



- ✓ In addition to investment increase in development costs for late-stage projects, Audentes' R&D expenses increased
- ✓ Decrease in development costs due to the impact of COVID-19

Amortisation of intangible assets

18.4% decrease



Completion of amortisation of Tarceva US intangible asset in Q1/FY19



FY2020 REVISED FORECAST

- Downward revision of initial forecasts for revenue and core OP
 - ✓ Reflect the latest business outlook: Upward revision of sales forecasts for main products in oncology area due to continuously robust growth trend
 - ✓ Reflect the impact of COVID-19:
 Downward revision of forecasts for revenue and costs
- Aiming for core OP margin of 20%

(billion yen)	FY20 Initial FCST	FY20 Revised FCST	Change
Revenue	1,282.0	1,256.5	-25.5
R&D expenses	239.0	233.5	-5.5
Core operating profit	257.0 20.0%	251.0 20.0%	-6.0



FY2020 REVISED FORECAST: FACTORS OF REVISION

	Revenue	Core OP
Variance from initial forecast	-25.5 bil. yen	-6.0 bil. yen
(Breakdown)		
Latest business outlook	+13.0 bil. yen • Favorable sales of XTANDI US and PADCEV	+8.5 bil. yen • Profit increase due to upward revision of sales • Efficient management of expenses • Further promotion of global procurement efficiencies
Impact of COVID-19	 -35.0 bil. yen Reversal of inventory build ✓ XTANDI EU, Prograf EU, etc. Sales decreases due to reduction of in-person hospital/clinic visits ✓ OAB products, Lexiscan, EVENITY, etc. XTANDI EU: M1 CSPC approval delay 	 -13.0 bil. yen Gross profit decrease: -27.0 bil. yen Costs decrease: +14.0 bil. yen ✓ Underspending due to restrictions on activities ✓ Clinical trial delay
FX impact	-3.5 bil. yen	-1.5 bil. yen

FY2020 REVISED FORECAST: OUTLOOK FROM Q2/FY2020 ONWARDS

- Smaller downward revision of revenue
 In addition to steady growth of main products in oncology area, the impact of COVID-19, which was significant in Q1, to be moderate
- Upward revision of Core OP
 More than offsetting revenue decrease by pursuing further cost efficiency in addition to decrease in spending due to the impact of COVID-19

(billion yen)	Q1 Variance between initial FCST and actual	Q2 - Q4 Variance between initial FCST and revised FCST	FY2020 Variance between initial FCST and revised FCST
Revenue	-19.5	-6.0	-25.5
Core OP	-8.5	+2.5	-6.0



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II Initiatives for Sustainable Growth

Capital Allocation



KEY POST-POC PROJECTS: STATUS UPDATE

(Underlined: Updates since FY2019 financial results announcement in May 2020)

enzalutamide

M0 CRPC

- Phase 3 study OS data published in NEJM presented at ASCO 2020
- Filed in US in May 2020 and EU in Jun 2020 for label update to include the OS data

M1 CSPC

- Approved in JP in May 2020 for prostate cancer with distant metastasis
- Filed in EU in Jul 2019

M0 CSPC

Phase 3 study ongoing

China

- M0 CRPC: Filed in Oct 2019
- M1 CSPC: Phase 3 study ongoing

zolbetuximab

Gastric and gastroesophageal junction adenocarcinoma

Phase 3 studies ongoing

Pancreatic adenocarcinoma

Phase 2 study ongoing

gilteritinib

Relapsed or refractory acute myeloid leukemia

• China: Filed in Mar 2020

Earlier-stage acute myeloid leukemia

Phase 3 studies ongoing

roxadustat

Anemia associated with CKD

- **EU**: Filed in Apr 2020
- **JP:** Filed for non-dialysis in Jan 2020

Chemotherapy-induced anemia

Phase 2 study ongoing

enfortumab vedotin

Metastatic urothelial cancer

- Previously untreated (first line; combo with pembrolizumab):
 Phase 3 study ongoing
- Second or later lines:
 Phase 2 and Phase 3 studies ongoing

Other solid tumors

· Phase 2 study ongoing

fezolinetant

Menopause-related vasomotor symptoms

- US & EU: Phase 3 studies ongoing
- **JP:** Independent development plan under preparation
- · Asia: Asian Phase 3 study ongoing

AT132 (resamirigene bilparvovec) XLMTM

 Clinical study for registration put on clinical hold by FDA, due to recently observed serious adverse events



PoC: Proof of concept, M0: Non-metastatic, M1: Metastatic, CSPC: Castration-sensitive prostate cancer, CRPC: Castration-resistant prostate cancer, OS: Overall survival, NEJM: New England Journal of Medicine, ASCO: American Society of Clinical Oncology, CKD: Chronic kidney disease, XLMTM: X-linked myotubular myopathy, FDA: Food and Drug Administration

ENZALUTAMIDE: PHASE 3 STUDY DATA BY DISEASE STAGE

Continued potential in earlier lines with consistent survival benefit and longer duration of treatment

Disease	Early stag	e ation-sensitive (CSPC)	Castra	ation-resistant (Late stage CRPC)
stage	МО	M	11	МО	M1 (pre-chemo)	M1 (post-chemo)
Phase 3 study	EMBARK	ARCHES	ENZAMET	PROSPER	PREVAIL	AFFIRM
Control	Placebo	Placebo	Conventional NSAA	Placebo	Placebo	Placebo
Primary endpoint	MFS (Ongoing)	✓ rPFS HR 0.39	✓ OS HR 0.67	✓ MFS HR 0.29	✓ rPFSHR 0.19✓ OSHR 0.71*	✓ OS HR 0.63
OS	(Ongoing)	(Not reached)	✓ HR 0.67	✓ HR 0.73	✓ HR 0.77	✓ HR 0.63
DoT	(Ongoing)	(Median not reached)	✓ 29.5 months	✓ 33.9 months	✓ 17.5 months	✓ 8.3 months



✓: Data obtained, *: Prespecified interim analysis, Yellow-highlighted: Updated at Q1/FY2020 earnings

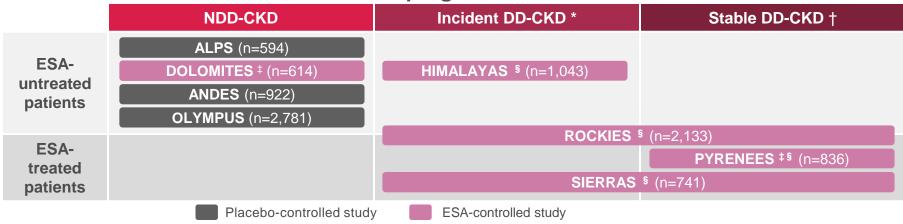


ROXADUSTAT: MAA SUBMISSION

Filed in EU for the treatment of anemia in adult patients with chronic kidney disease (CKD) both dialysis dependent (DD) and non-dialysis dependent (NDD), based on the data of 8 Phase 3 studies involving more than 9,000 patients

- ✓ Proved to be efficacious in increasing and maintaining target hemoglobin levels with reduced use of intravenous iron
- ✓ The cardiovascular and general safety profile is reflective of the underlying conditions in the CKD population
 - Pooled safety analysis showed non-inferiority of roxadustat in both MACE and MACE+ to ESA in DD-CKD and to placebo in NDD-CKD

Global Phase 3 program for roxadustat







^{*} Subset of patients with ≥ 2 weeks and ≤ 4 months of dialysis at the time of randomization

[†] Subset of patients with > 4 months of dialysis at the time of randomization

[‡] Darbepoetin-alfa as an active comparator, § Epoetin-alfa as an active comparator

AT132 (RESAMIRIGENE BILPARVOVEC): CURRENT STATUS



Clinical study for registration of AT132 in XLMTM patients put on clinical hold by FDA, due to recently observed serious adverse events

Study cohort	AT132 dose	No. of subjects enrolled (n=26 in total)		
		Treated	Untreated	
Dose escalation	1 x 10 ¹⁴ vg/kg	6	-	
Dose escalation	3 x 10 ¹⁴ vg/kg	10	-	
Pivotal expansion	3 x 10 ¹⁴ vg/kg	7	3	

- 3 of 17 patients who received AT132 at the 3 x 10¹⁴ vg/kg dose have developed progressive liver dysfunction. 2 of these 3 patients have died, and preliminary findings indicate that the immediate cause of death was sepsis. Notable features among these 3 patients include:
 - √ older age
 - √ heavier weight
 - ✓ evidence of pre-existing hepatobiliary disease
- Among the 6 patients who received AT132 at 1 x 10¹⁴ vg/kg, including 4 with previous history of hepatobiliary disease, none have developed serious adverse events, despite being years out from treatment
- Next steps:
 - ✓ Robust investigation and communications with the regulatory authorities ongoing
 - ✓ Plan to update filing timelines once path forward is determined
 - ✓ Remain committed to AT132 and the XLMTM patient community



COVID-19 IMPACT ON CLINICAL DEVELOPMENT (1/2)

- We have started to reactivate clinical studies in the countries such as US, EU, and Japan, where the activities were suspended due to COVID-19 pandemic, following the benefit-risk assessment of each study, while delay in the timeline might be caused in some of the studies
- We continue taking mitigation measures to maintain enrolled patients, while ensuring patient safety and reducing the burden to healthcare systems, e.g. telemedicine visits, home health care visits for blood draws and other assessments, use of local laboratories and delivery of investigational product directly to patient homes
- We are building flexibility into the protocols to respond to changes related to the ongoing pandemic



COVID-19 IMPACT ON CLINICAL DEVELOPMENT (2/2)

Major project-specific impact

Project	Study / Milestone	COVID-19 impact
enzalutamide	Regulatory decision in EU for M1 CSPC	 Delayed, because the EMA's GCP inspection was postponed due to COVID-19; regulatory decision originally expected in early FY2020, but currently in late FY2020 at the earliest
gilteritinib	Phase 3 studies	 Enrollment has been impacted especially in Phase 3 LACEWING study (newly diagnosed, intensive chemo ineligible) and Asian Phase 3 study (R/R) Partners' studies such as Phase 3 PASHA study (newly diagnosed, intensive chemo eligible) had no pause but experienced some slowdown
enfortumab vedotin	Phase 3 and Phase 2 studies	 For Phase 3 EV-301 study (mUC, platinum and PD-1/L1 inhibitor pretreated), which was fully enrolled, innovative strategies have been implemented to continue to ensure the safety of patients, continued supply of therapy and quality of the data to support global submissions Enrollment has been impacted in Phase 2 EV-202 study (other solid tumors), but with no significant delay expected
zolbetuximab	Phase 3 studies	 Enrollment has been impacted in Phase 3 SPOTLIGHT and GLOW studies, with the general consensus amongst investigators that a 3-6 month recovery period would be needed for screening and enrollment activities to return back to pre-COVID-19 levels
roxadustat	Regulatory review	No impact
fezolinetant	Phase 3 studies	 Enrollment was paused in Phase 3 SKYLIGHT 1 (pivotal) and SKYLIGHT 4 (long-term) studies, but has been strong after reopening. Most sites experienced limited disruption SKYLIGHT 4 sample size increase addresses the FDA feedback on the primary endpoint and also takes into consideration potential COVID-19 impact on end-of-study biopsy completion rates

Continue reassessing all the clinical study timelines, depending the fluid COVID-19 situation, and timely updating them on ClinicalTrials.gov and/or at the future earnings as needed

KEY EVENTS EXPECTED IN FY2020

Regulatory decision	enzalutamide	M1 CSPC (EU) M0 CRPC (China) M0 CRPC, label update to include the OS data (US, EU)
	roxadustat	Anemia associated with chronic kidney disease, non-dialysis (JP)
Data readout	enfortumab vedotin	Phase 2 EV-201 study cohort 2 in metastatic urothelial cancer, PD-1/L1 inhibitor pretreated, platinum naïve and cisplatin ineligible

Please refer to R&D pipeline list for details including target disease



ASP8062 FOR OPIOID USE DISORDER (OUD)

NIH awards grant to fund early clinical studies of ASP8062, GABA_B PAM, to investigate potential novel therapeutic approach to address the opioid crisis

Opioid crisis in US

- The White House declared the opioid crisis a national Public Health Emergency under federal law in Oct 2017⁴, with the loss of many American lives due to overdose of an opioid
- The NIH Helping to End Addiction Long-Term (HEAL) Initiative strategy aims to accelerate scientific solutions to stem the national opioid public health crisis

THE OPIOID EPIDEMIC BY THE NUMBERS

Source: http://www.hhs.gov/opioids/



130+ People died every day from opioid-related drug overdoses³



10.3 m People misused prescription opioids in 2018¹



47,600People died from overdosing on opioids²



2.0 million
People had an opioid
use disorder in 2018¹

GABA_B PAM

- "Ten most wanted" pharmacological mechanisms by NIDA² include GABA_B PAM, based on the existing data showing GABA_B receptors involvement with reducing self-administration and drug-seeking behavior across several substances of abuse
- This NIH grant application was based on the supportive preclinical data utilizing ASP8062 in various models of substance of abuse

ASP8062 clinical studies for OUD under the NIH grant

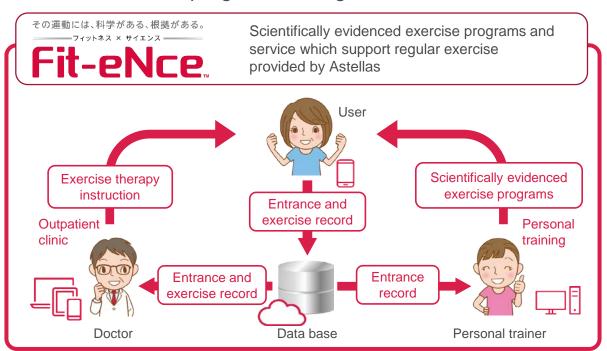
- Two Phase 1 drug-drug interaction/safety studies, with morphine and with Suboxone (buprenorphine/naloxone) [ongoing]
- A Phase 2 PoC study in OUD patients [planned; following the Phase 1 studies]

PROGRESS IN Rx+ PROGRAM: Fit-eNce - NEW STYLE FITNESS SERVICE



As the first program of Rx+ business, pilot marketing of a scientifically evidenced exercise support service scheduled to start

- ✓ Developed scientifically based exercise programs through industry-government-academia collaboration with Yokohama City and Yokohama City University
- ✓ Planning to begin sales of this fitness service in limited regions in 2020, utilizing scientifically based exercise programs through fitness clubs



Change in HbA1c at Week 13 (Results of medical and health research) (%) 0.2 Least square mean 0.13 -0.4 -0.44 (p<0.001*) Exercise group (n=97) Non-exercise group (n=108)

^{*} Analysis set: Full analysis set
Mixed model for repeated measures with treatment group and visit as factors, with baseline value as a covariate as well as an interaction of treatment by visit and an interaction of baseline value by visit

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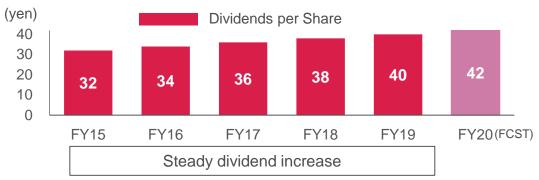
CAPITAL ALLOCATION

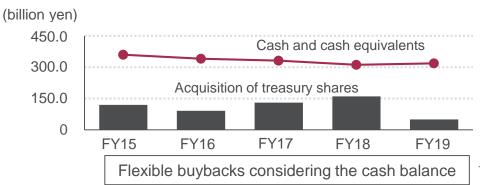
 Top priority is investment for strategic business growth

 Dividends to be increased continuously based on mid-and long-term growth

 Share buybacks to be implemented in a flexible manner











ACCOUNTING TREATMENT OF BUSINESS COMBINATION WITH AUDENTES

Revised fair value measurement of Audentes balance sheet at acquisition date (as of Jan 15, 2020) FY19 end consolidated balance sheet retrospectively revised

<as 2020="" 31,="" mar="" of=""></as>	(\$ million)	<as *="" 2020="" 30,="" jun="" of=""></as>	(\$ million)
Other assets 389	Other liabilities 116	Other assets 389	Other liabilities 116
Intangible assets	Deferred tax liabilities 382	Intangible assets	Deferred tax liabilities 354 (-27)
2,620	Acquisition cost	2,494 (-126)	Acquisition cost
Goodwill 391	2,902	Goodwill 490 (+99)	2,902

Breakdown of intangible assets \$2,494M

- In-Process R&D: \$1,839M
- Patent and technology: \$656M

Amortisation of intangible assets for patent and technology: FY20 FCST (12 months) \$42M



^{*} Subject to change due to the provisional accounting treatment at this moment

Q1/FY2020: REVENUE BY REGION

(billion yen)	Q1/FY19	Q1/FY20	Change (%)
Japan	98.5	77.8	-21.0%
United States	105.3	117.2	+11.3%
Established Markets	75.8	64.0	-15.5%
Greater China	14.7	14.2	-3.4%
International	34.2	30.2	-11.8%

Established Markets: Europe, Canada, Australia Greater China: China, Hong Kong, Taiwan

International: Russia, Latin America, Middle East, Africa, South East Asia, South Asia, Korea, Export sales, etc.



Q1/FY2020: SALES OF MAIN PRODUCTS

(billion yen)	Q1/FY19	Q1/FY20	Change	CER growth	FY20 Initial FCST *	FY20 Revised FCST **
XTANDI	96.0	112.0	+16.6%	+19.7%	459.3	464.6
XOSPATA	2.5	5.6	+128.3%	+133.1%	23.2	23.1
PADCEV	-	3.0	-	-		13.0
OAB products	53.5	48.1	-10.0%	-8.2%	204.9	197.9
mirabegron	39.9	40.4	+1.2%	+3.3%	172.5	167.9
Vesicare	13.6	7.7	-43.0%	-42.1%	32.4	30.0
Prograf	50.4	45.3	-10.2%	-7.4%	186.3	182.0

^{**}astellas

^{*} Announced in May 2020

^{**} Announced in Aug 2020

FY2020 REVISED FORECAST

(billion yen)	FY20 Initial FCST	FY20 Revised FCST	Change
Revenue	1,282.0	1,256.5	-25.5
R&D expenses	239.0	233.5	-5.5
Core operating profit	257.0	251.0	-6.0
Core profit	206.0	200.5	-5.5
<full basis=""></full>			
Operating profit	252.0	246.5	-5.5
Profit	202.0	197.5	-4.5



Q1/FY2020 ACTUAL: FX RATE

Average rate for the period

Currency	Q1/FY19	Q1/FY20	Change
USD	110 yen	108 yen	-2 yen
EUR	123 yen	118 yen	-5 yen

Change in closing rate from previous fiscal year end

Currency	Q1/FY19	Q1/FY20
USD	-3 yen	-1 yen
EUR	-2 yen	+2 yen

<Impact of exchange rate on financial results>

- 7.1 billion yen decrease in revenue, 5.8 billion yen decrease in core OP
- FX impact on elimination of unrealized gain: COGs ratio +1.1ppt



FY2020 REVISED FCST: FX RATE & FX SENSITIVITY

Exchange rate (yen) Average for the period	FY20 Initial FCST	FY20 Revised FCST
USD	110 yen	109 yen
EUR	120 yen	120 yen

Forecast rates from Q2/FY2020 onwards: 110 USD/yen, 120 EUR/yen

Estimated FX sensitivity (Q2 and onward) of FY2020 revised forecasts by 1 yen appreciation *

Currency		Average rate 1 yen higher than assumption		
	Revenue	Core OP	Core OP	
USD	Approx4.3 bil. yen	Approx0.8 bil. yen	Approx. +0.5 bil. yen	
EUR	Approx2.0 bil. yen	Approx0.8 bil. yen	Approx. +0.2 bil. yen	



^{*} Sensitivity to fluctuation of FX rates used for consolidation of overseas affiliates' results compared to forecasted rates from Q2/FY2020 and onwards

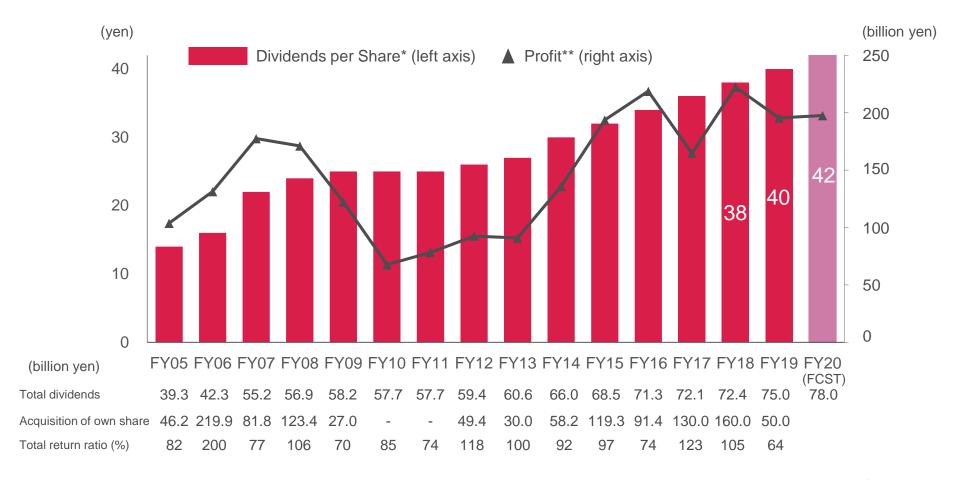
BALANCE SHEET & CASH FLOW HIGHLIGHTS

(billion yen)	FY19 end	Jun 30, 2020
Total assets	2,315.2	2,256.0
Cash and cash equivalents	318.4	239.9
Total equity attributable to owners of the parent Equity ratio (%)	1,289.2 55.7%	1,306.7 57.9%

(billion yen)	Q1/FY19	Q1/FY20	FY19
Cash flows from operating activities	7.4	21.6	222.0
Cash flows from investing activities	-14.0	-28.3	-389.8
Free cash flows	-6.6	-6.7	-167.8
Cash flows from financing activities	-40.4	-73.0	181.1
Bonds and short-term borrowings	-	-110.0	326.0
Proceeds from long-term borrowings	-	80.0	-
Acquisition of treasury shares	-0.0	-0.9	-52.9
Dividends paid	-35.8	-37.2	-73.5



DETAILS OF SHAREHOLDER RETURNS



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^{*} The Company conducted a stock split of common stock at a ratio of 5 for 1 with an effective date of Apr 1, 2014, Figures are calculated based on the number of shares issued after the stock split (excluding treasury shares) on the assumption that the stock split was conducted at the beginning of FY2005 ** From FY2013, figures are in accordance with International Financial Reporting Standards (IFRS)

FILING OPPORTUNITIES ANNOUNCED IN STRATEGIC PLAN 2018

As of Aug 2020

✓ ✓ ∴ Approved

✓ ☐ Filed

✓ : Data obtained, filing under preparation

enzalutamide

M0 CRPC

gilteritinib R/R AML

roxadustat

Anemia associated with CKD Dialysis (JP)

FY2018

111

111

enzalutamide

M1 CSPC (US, JP) (EU)

enfortumab vedotin

Metastatic urothelial cancer. Platinum and PD-1/L1 inhibitor pretreated (US) 🗸 🗸

roxadustat

Anemia associated with CKD Non-dialysis (JP)

roxadustat

Anemia associated with CKD Dialysis/Non-dialysis (EU)

enzalutamide

M0 CSPC

zolbetuximab

Gastric and gastroesophageal junction adenocarcinoma

gilteritinib

AML (Post-HSCT maintenance)

gilteritinib

AML (Post-chemo maintenance)

gilteritinib

AML (1st line low intensity induction chemo)

gilteritinib

AML (1st line high intensity induction chemo)

fezolinetant

MR-VMS

FY2019-2020

FY2021 or beyond

Therapeutic area: Oncology Urology, Nephrology Others

111

Note) Subject to internal assessment, decision and regulatory consultation, as appropriate. Filing (submission) timing in the first country/region within US/EU/JP



ROBUST PIPELINE OF ASTELLAS

Phase 1	Phase 2	Phase 3	Filed		
ASP1235/AGS62P1	zolbetuximab (Pancreatic adenocarcinoma)	enzalutamide (M0 CSPC, M1 CSPC: China)	enzalutamide (M1 CSPC: EU)		
ASP8374/PTZ-201	ASP1650 (Testicular cancer)	· · · · · · · · · · · · · · · · · · ·	enzalutamide		
ASP1948/PTZ-329		gilteritinib (Earlier-stage AML, Pediatric use)	(M0 CRPC: China)		
ASP1951/PTZ-522	enfortumab vedotin (Other solid tumors)	enfortumab vedotin	gilteritinib (R/R AML: China)		
ASP9801	ASP7317 (Dry AMD, etc.)	(Metastatic urothelial cancer)	(R/R AIVIL. CHIHA)		
ASP7517	ASP1128/MA-0217 (AKI)	zolbetuximab (Gastric and GEJ adenocarcinoma)	roxadustat (Anemia associated with CKD,		
ASP0892	ASP3772 (Pneumococcal disease)	peficitinib	non-dialysis: JP)		
ASP0367/MA-0211	FX-322 (Sensorineural hearing loss)	(Rheumatoid arthritis: China)	roxadustat (Anemia associated with CKD: EU)		
ASP2390	resamirigene bilparvovec /AT132 (XLMTM)	mirabegron (Pediatric use)			
ASP0598		fezolinetant			
	bleselumab (rFSGS)	(MR-VMS)			
AT845	ASP8302 (Underactive bladder)				
ASP8062	roxadustat (CIA)				
ASP1617	isavuconazole (Pediatric use: US)				
Oncology Projects with Focus Area approach (excluding Immuno-oncology projects) Others					

Please refer to R&D pipeline list for details including target disease



PROGRESS IN OVERALL PIPELINE

Phase 1 entry to approval since FY2019 financial results announcement in May 2020

Phase 1 Entry Phase 2 Entry Phase 3 Entry Filing Approval

roxadustat

Anemia in adult patients with chronic kidney disease:

solifenacin

Neurogenic detrusor overactivity in pediatric patients aged 2 years and older: US

enzalutamide

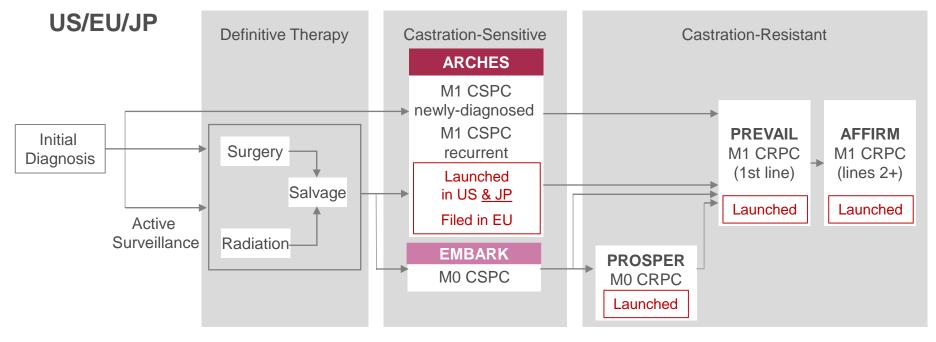
Prostate cancer with distant metastasis: JP

Note: Phase 1 entry is defined as confirmation of IND open. Phase transition is defined by approval of company decision body for entering to next clinical phase. Filing is defined as submission of application to health authorities.

Discontinuation is defined by the decision of company decision body.



ENZALUTAMIDE: ANDROGEN RECEPTOR INHIBITOR



P3: ARCHES	M1 CSPC	Combo with ADT, vs. placebo	n=1,150	Approved in US in Dec 2019 and in JP in May 2020 Filed in EU in Jul 2019
P3: EMBARK	M0 CSPC	Combo with ADT, vs. placebo	n=1,068	Enrollment completed

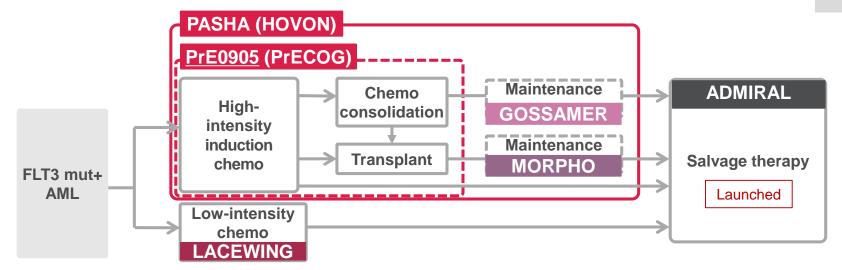
China

- M1 CRPC: Approved in Nov 2019 and launched in Mar 2020
- M0 CRPC: Filed in Oct 2019, based on global Phase 3 PROSPER study data
- M1 CSPC: FSFT of Phase 3 China-ARCHES study in Sep 2019





GILTERITINIB: FLT3 INHIBITOR



Relapsed or refractory	P3: ADMIRAL	Monotherapy vs salvage chemo (2:1)	n=371	Launched in US, JP, and EU Filed in China in Mar 2020
Newly diagnosed	P3: PASHA (HOVON)	Combo with high intensity	n=768	FSFT: Dec 2019 (Sponsor: HOVON)
(intensive chemo eligible)	P2: PrE0905 (PrECOG)	chemo gilteritinib vs. midostaurin (1:1)	n=179	FSFT: Dec 2019 (Sponsor: PrECOG, LLC.)
Newly diagnosed (intensive chemo ineligible)	P3: LACEWING	Combo with azacitidine vs. azacitidine alone (2:1)	n=250	FSFT: Nov 2016
Post-HSCT maintenance	P3: MORPHO	Monotherapy vs. placebo (1:1)	n=346	Enrollment completed Collaborating with BMT-CTN
Post-chemo maintenance	P2: GOSSAMER	Monotherapy vs. placebo (2:1)	n=98	Enrollment completed



ENFORTUMAB VEDOTIN (EV): NECTIN-4 TARGETED ADC (1/3)

Treatment landscape for metastatic urothelial cancer and clinical studies for EV

mUC patient treatment	Previously untreated (first line)	Platinum or PD-1/L1 inhibitor pretreated	Platinum and PD-1/L1 inhibitor pretreated
Standard of care*	Cis-eligible: Gem-Cis Cis-ineligible: Gem-Carbo PD-1/L1 inhibitor (for patients with high PD-L1 expression)	Platinum pretreated: • PD-1/L1 inhibitor PD-1/L1-inhibitor pretreated: • Gem-Carbo	 Single agent chemo Clinical trial Palliative care EV monotherapy (US only)
Clinical studies for EV	P3: EV-302 Platinum eligible, EV + Pembro +/- Platinum (Carbo/Cis)	P2: EV-201 (Cohort 2) PD-1/L1 inhibitor pretreated, Platinum naïve and cis-ineligible	P2: EV-201 (Cohort 1) Launched in US PD-1/L1 inhibitor pretreated
Phase 3 Phase 2	P1b/2: EV-103 Combo w/ Pembro and other chemotherapy		P3: EV-301 Platinum and PD-1/L1 inhibitor pretreated, vs. chemotherapy

^{*} Approved drugs and standard of care varies by region





ENFORTUMAB VEDOTIN (EV) (2/3): CLINICAL STUDIES

For urothelial cancer

P3: EV-301	mUC, Platinum and PD-1/L1 inhibitor pretreated; vs.	n=608	Enrollment completed	
	chemotherapy	000	Zimomnom dompiotod	
P3: EV-302	Locally advanced or mUC, Previously untreated, Platinum-eligible; EV + Pembro +/- Platinum (Carbo/Cis)	n=1,095	FSFT: Apr 2020	
P2: EV-201	mUC, PD-1/L1 inhibitor pretreated Cohort 1: Platinum pretreated Cohort 2: Platinum naïve and cisplatin ineligible	n=219	Cohort 1: Approved (under the Accelerated Approval program) and launched in US in Dec 2019 Cohort 2: Enrollment completed	
P1b/2: EV-103	Cohorts A - G and K (Locally advanced or mUC): A-G: Combo with Pembro and other chemotherapy K: EV monotherapy vs. EV + Pembro Cohorts H & J (Muscle invasive UC, Cisplatin-ineligible): H: EV monotherapy, J: EV + Pembro	n=407	FSFT: Nov 2017 Breakthrough Therapy Designation granted by FDA for EV + Pembro combo in the first line for patients with mUC not eligible for cisplatin, based on the initial results from EV-103	
P1: EV-101	Part A: mUC Part B: mUC with renal insufficiency, Metastatic NSCLC, Metastatic ovarian cancer Part C: mUC (PD-1/L1 inhibitor pretreated)	n=213	Enrollment completed	

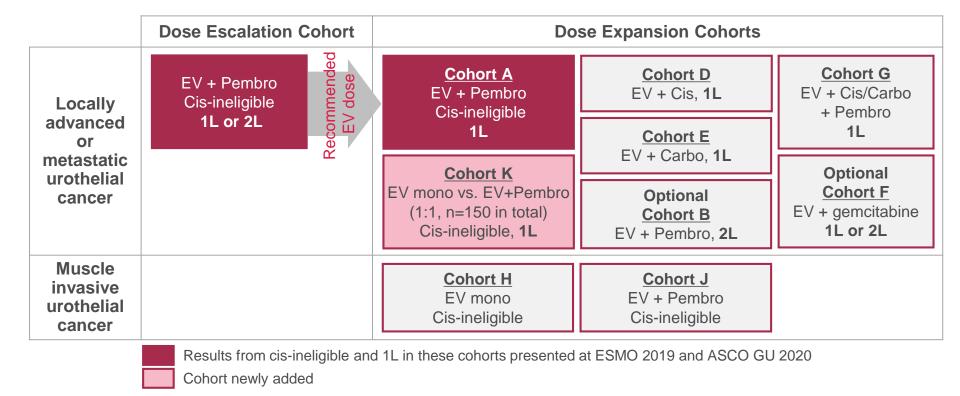
For other solid tumors

P2: EV-202	HR+/HER2- breast cancer, Triple-negative breast cancer, Squamous NSCLC, Non-squamous NSCLC, Head and neck cancer, Gastric, gastroesophageal junction or esophageal cancer	n=240	FSFT: Mar 2020
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SeattleGenetics



ENFORTUMAB VEDOTIN (EV) (3/3): PHASE 1b/2 EV-103 STUDY DESIGN



Data from Cohort K, along with other data from the EV-103 study evaluating EV combined with pembrolizumab as first-line therapy for cisplatin-ineligible patients, could potentially support registration under Accelerated Approval regulations in US





ZOLBETUXIMAB: ANTI-CLAUDIN 18.2 MONOCLONAL ANTIBODY

Target: Claudin 18.2

- Claudin is a major structural component of tight junctions and seals intercellular space in epithelial sheets
- Broadly expressed in various cancer types
 - ~70% of gastric tumors; ~30% of these meet the eligibility criteria for the ongoing Phase 3 studies
 - ~60% of primary pancreatic adenocarcinomas; approx. 20% of these meet the eligibility criteria for the ongoing Phase 2 study

Gastric and gastroesophageal junction (GEJ) adenocarcinoma

- Target patient population: locally advanced and metastatic gastric and GEJ adenocarcinoma with high Claudin 18.2 expression
- Gastric cancer is the third leading cause of cancer death worldwide ¹
- Overall 5-year survival rate for metastatic gastric and GEJ cancer is under 20% ^{2,3}
- Median overall survival for Stage IV gastric cancer is 10-15 months ^{4,5}

		P3: SPOTLIGHT	First line, combo with mFOLFOX6, vs. placebo	n=550	FSFT: Oct 2018
	Gastric and GEJ adenocarcinoma	P3: GLOW	First line, combo with CAPOX, vs. placebo	n=500	FSFT: Jan 2019
		P2: ILUSTRO	Cohort 1: Third or later line, zolbetuximab monotherapy Cohort 2: First line, combo with mFOLFOX6 Cohort 3: Third or later line, combo with pembrolizumab	n=112	FSFT: Sep 2018
	Pancreatic adenocarcinoma	P2	Combo with nab-paclitaxel and gemcitabine, vs. placebo	n=141	FSFT: May 2019



FEZOLINETANT: NK3 RECEPTOR ANTAGONIST

VMS has a significant negative impact on quality of life

- Physical symptoms include hot flashes and sweating/night sweats, which can impact sleep.
- Physical symptoms lead to emotional impact including embarrassment, irritability, anxiety, and sadness
- Symptoms have a negative impact on multiple aspects of everyday life ¹

Women's Health Initiative (WHI) Study ²

- Initial data analyses showed an association between chronic HRT use and increased risk of cardiovascular disease and cancer
- Since WHI's findings, no replacement for HRT with similar efficacy and no significant safety concern, resulting in huge unmet medical needs

US and EU

P3: SKYLIGHT 1	Moderate to severe MR-VMS; The first 12 weeks: DBT, 30 mg vs. 45 mg vs. placebo (1:1:	<u>n=527</u>	Enrollment completed
P3: SKYLIGHT 2	The last 40 weeks: non-controlled, 30 mg or 45 mg		Enrollment completed
P3: SKYLIGHT 4	MR-VMS; 52 weeks: DBT, 30 mg vs. 45 mg vs. placebo (1:1:1)	<u>n=1,740</u>	FSFT: Aug 2019

Asia (except for Japan)

P3: MOONLIGHT 1	Moderate to severe MR-VMS; The first 12 weeks: DBT, 30 mg vs. placebo (1:1) The last 12 weeks: non-controlled, 30 mg	n=300	FSFT: Apr 2020
P3: MOONLIGHT 3	MR-VMS; open label, 30 mg for 52 weeks	<u>n=150</u>	Recruiting

AT132 (RESAMIRIGENE BILPARVOVEC): rAAV8-Des-hMTM1



Characteristics of AT132

- Lead program in the gene therapy pipeline of Audentes Therapeutics, acquired by Astellas in Jan 2020
- Designed to deliver a functional copy of human MTM1 gene by AAV8 to transfect and express myotubularin in skeletal muscle cells
- Regulatory designations granted:
 - ✓ <US> RMAT, Rare Pediatric Disease, Fast Track, and Orphan Drug designations
 - ✓ <EU> PRIME and Orphan Drug designations

X-linked myotubular myopathy (XLMTM)

- Rare neuromuscular disease with X-linked, loss of function mutations in MTM1 gene
 - ✓ Approximately 1 in 40,000 to 50,000 newborn males
 - ✓ Estimated 50% mortality by 18 months
- > 80% require ventilator support
- · Motor milestones substantially delayed
- No treatment available; supportive care only

ASPIRO (clinical study for registration in XLMTM patients) vs. Delayed-treatment control

Part 1: Dose escalation Cohort 1: 1 x 10¹⁴ vg/kg

Cohort 2: 3 x 10¹⁴ vg/kg

Part 2: Pivotal expansion (3 x 10¹⁴ vg/kg)

n=26

Study on clinical hold due to recent findings of new serious adverse events



ON THE FOREFRONT OF HEALTHCARE CHANGE

