



Q1 Results (Jan - Mar 2022) Conference Call

CHUGAI PHARMACEUTICAL CO., LTD.

25 April 2022



Important Reminder



Forward-Looking Statements

This presentation may include forward-looking statements pertaining to the business and prospects of Chugai Pharmaceutical Co., Ltd. (the "Company"). These statements reflect the Company's current analysis of existing information and trends. Actual results may differ from expectations based on risks and uncertainties that may affect the Company's businesses.

Core Results

Chugai discloses its results on a Core basis from 2013 in conjunction with its transition to IFRS. Core results are the results after adjusting non-recurring items recognized by Chugai to IFRS results. Chugai's recognition of non-recurring items may differ from that of Roche due to the difference in the scale of operations, the scope of business and other factors. Core results are used by Chugai as an internal performance indicator, for explaining the status of recurring profits both internally and externally, and as the basis for payment-by-results.

Note:

- Amounts shown in this report are rounded to the nearest 0.1 billion yen
- Variance and % are calculated based on the amounts shown

Agenda



FY2022 Q1 Overview

Dr. Osamu Okuda

President & CEO

FY2022 Q1 Consolidated Financial Overview (Core) Toshiaki Itagaki

Director, Executive Vice President & CFO

Overview of Development Pipeline

Tetsuya Yamaguchi

Executive Vice President, Head of Project & Lifecycle Management Unit



FY2022 Q1 Overview

Dr. Osamu Okuda

President & CEO

Financial Overview

- Significant YoY increase in revenues and profits due to an increase in new products such as RON and exports to Roche etc.
- No change in the earnings forecast after April, and full-year revenues and profits are expected to increase in line with the initial forecast

Core	2021	2022	Growth		2022	Drogross	
(billions of JPY)	Jan -Mar	Jan -Mar			Jan - Dec	Progress (%)	
(Dillions of JF 1)	actual	actual			forecast		
Revenues	168.8	268.6	+99.8	+59.1%	1150.0	23.4%	
Domestic sales	94.9	161.7	+66.8	+70.4%	646.3	25.0%	
Overseas sales	35.4	81.0	+45.6	+128.8%	385.2	21.0%	
ROOI	38.6	25.9	-12.7	-32.9%	118.5	21.9%	
Operating profit	65.4	98.9	+33.5	+51.2%	440.0	22.5%	
Operating margin	38.7%	36.8%	-2.6%pts		38.3%	-	
Net income	48.4	70.6	+22.2	+45.9%	312.5	22.6%	
EPS (yen)*	29.42	42.91	+13.49	+45.9%	190.00	22.6%	

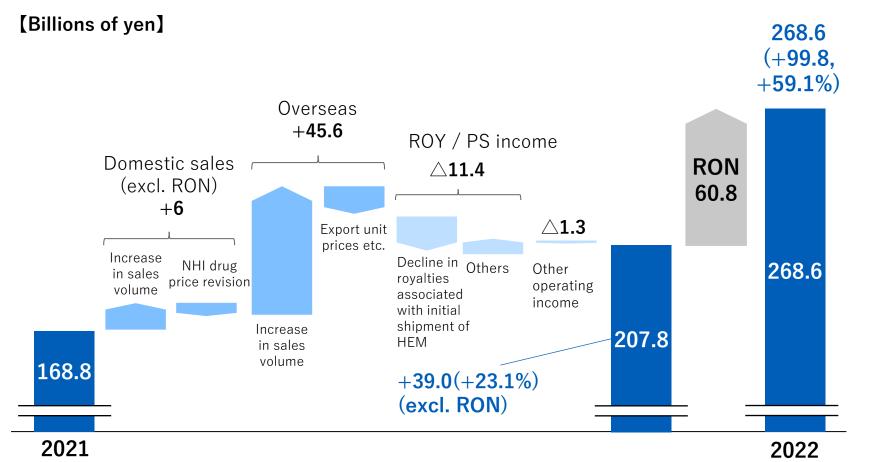
ROOI: Royalties and other operating income

RON: Ronapreve HEM: Hemlibra

- The effect of changing situations in Russia/Ukraine had no major negative impact on performance and limited impact on development activities
- The RON supply to the government based on the 2021 contract contributed significantly. Its 2022 contract has been signed in line with the initial forecast
- Overseas sales increased significantly mainly due to HEM exports to Roche as expected
- Significant decline in ROOI associated with the initial shipment of HEM as expected
- Litigation settlement with Alexion recognized 91.9 billion yen as non-core revenue

Topline Overview

- Domestic sales (excl. RON) increased due to an increase in new products and sales volume*
- Overseas sales increased significantly as volume growth exceeded the decline in export unit prices
- A decrease in royalty income was offset by an increase in overseas sales as expected



- Domestic sales (excl. RON)
 increased as sales growth in new
 products Polivy, Evrysdi, and
 Enspryng exceeded the impact of
 generics and NHI drug price
 revision as expected
- Overseas sales increased significantly due to the full-scale HEM exports to Roche at regular shipment unit price as well as ACT exports as expected
- Regular royalties of HEM and ACT increased due to growth in overseas local sales despite a decrease in royalty income from initial shipments of HEM as expected

'19Q4 14.8%, '18Q4 2.1%

^{*} Among them, the domestic patient share of HEM is as below.

^{&#}x27;22Q1 27.9%, '21Q4 26.2%, '20Q4 20.7%,

R&D Overview

- A full-scale entry into the ophthalmology field is expected to contribute revenue growth for Chugai
 - **Vabysmo:** Obtained approval for nAMD and DME. Achieved 16 week-interval administration for the first time as an intravitreal injection. Information provision activities conducted by in-house medical reps. GP3 studies for the additional indication of RVO are ongoing
 - **RG6321 (PDS):** Started domestic P1 / 2 study as a new development product in the ophthalmology field
 - Roche's ophthalmology pipeline: 9 NME*1
- Delivering new value with specialized partners in the skin diseases area
 - Mitchga®'s domestic approval: Maruho obtained approval for pruritus associated with atopic dermatitis. Business scheme: Manufactured by Chugai and sold by Maruho
 - Expected to improve QoL: The first drug targeting IL-31, which is the cause of pruritus. Promptly reduced pruritus in domestic P3 study
 - **Overseas:** Galderma*² is conducting GP3 studies for atopic dermatitis and prurigo nodularis, and a GP2/3 study for chronic kidney disease associated pruritus
- Protecting the rights of unique drug discovery technologies that lead to competitive advantage
 - Recycling antibody technology: Settlement agreement signed with Alexion for a patent infringement lawsuit

PDS: Port Delivery System with ranibizumab, nAMD: neovascular age-related macular degeneration, DME: diabetic macular edema, RVO: retinal vein occlusion NME: new molecular entity

^{*1} As of February 3, 2022 *2 Galderma retains exclusive global license for the development and marketing excluding Japan and Taiwan Mitchga® is a registered trademark of Maruho Co., Ltd. in Japan.

Progress Toward Relocation of the Research Laboratories

- Chugai Life Science Park Yokohama
 - **Features:** Aiming to dramatically improve research productivity by consolidating all drug discovery research functions and utilizing robotics / Al etc.
 - Construction work: Progress as planned (scheduled to complete in October 2022 and start operation in April 2023)
- Kamakura research lab. / Fuji Gotemba research lab.: Progress toward closure is as follows.

Overview of Chugai Life Science Park Yokohama

Core research lab. under construction in Totsuka-ku, Yokohama city, Kanagawa

Building area: 35,210m²
Total floor area: 119.960m²

Focusing on global warming countermeasures, regional disaster prevention, and biodiversity conservation, aiming for environmental performance certification

In addition to making environmental agreements with Yokohama city, we emphasize coexistence with the local community



	Contractor	Contract name	Site area	Contract period	Planned disposition date
Kamakura research lab. North side site	TAKASAGO INTERNATIONAL CORPORATION	Real estate sales contract	35,359m ²	March 2022	Late 2025 (vacant site)
Kamakura research lab. South side site	Haseko Corporation	Real estate sales contract	53,945m ²	March 2022	September 2023 (as-is)
Fuji Gotemba research lab.	TBD	TBD	142,285m ²	TBD	TBD



Response to the Transition to the New Market Category "Prime Market" was not been seen as a second control of the Response to the Transition to the New Market Category "Prime Market" to the Response to the Transition to the New Market Category "Prime Market" to the Response to the Response to the Transition to the New Market Category "Prime Market" to the Response to the Response

Establishment of Special Committee

- At the request of the revised Corporate Governance Code for companies listed on the Prime Market, we selected to establish a Special Committee (established on March 29, 2022)
 - ✓ Deliberate and consider important transactions and acts etc. that may conflict with the interests of the parent company Roche and minority shareholders
 - ✓ The Special Committee consists of three or more members consisting of only independent outside directors and independent outside corporate auditors, including one independent outside director who also serves as a outside member of the Compensation Committee

Name	Role	Position in our company
Yoichiro Ichimaru	Chairman*1	independent outside director*2
Masayuki Oku	member	independent outside director*2
Kenichi Masuda	member	independent outside corporate auditor*2

^{*1} Selected by mutual election of committee member

^{*2} Designated as an independent officer pursuant to the regulations of the Tokyo Stock Exchange, Inc., to which notification has been made.

Introduction of New Management Members (Supervisory Responsibility)

As of April 1, 2022



Dr. Osamu Okuda Representative Director, President & CEO

Supervisory responsibility for Corporate Planning, Partnering, External Affairs, and Audit



Dr. Hisafumi Yamada Director, Executive Vice President

Supervisory responsibility for Project & Lifecycle Management (R&D), Research, Translational Research, Clinical Development, and Pharmaceutical Technology



Toshiaki Itagaki Director, Executive Vice President & CFO

Supervisory responsibility for Finance & Accounting, Corporate Communication and Purchasing Head of Finance Supervisory Div.



Tetsuya Yamaguchi Executive Vice President

Supervisory responsibility for Project & Lifecycle Management (Marketing), Drug Safety, Medical Affairs, and Foundation Medicine

Head of Project & Lifecycle Management Unit



Junichi Ebihara
Executive Vice President

Supervisory responsibility for Legal Affairs, Intellectual Property, General Affairs, Risk Management, Compliance, and Quality and Regulatory Compliance



Shinji Hidaka Executive Vice President

Supervisory responsibility for Marketing & Sales
Head of Marketing & Sales Div.



Yoshiyuki Yano Executive Vice President

Supervisory responsibility for Human Resources and Environment, Health, and Safety Head of Human Resources Management Dept.



Satoko Shisai Executive Vice President

Supervisory responsibility for Digital Transformation Head of Digital Transformation Unit



Toshiaki Itagaki

Director, Executive Vice President & CFO



(Billions of JPY)

IFRS and Core Results Jan – Mar

	IFRS	Non-core	Core	
(Billions of JPY)	results	Intangible assets	Others	results
Revenues	360.6		-91.9	268.6
Sales	242.7			242.7
Royalties and other operating income	25.9			25.9
Other revenue	91.9		-91.9	-
Cost of sales	-114.4	+0.3		-114.1
Operating expenses	-59.1	+0.2	+3.4	-55.6
M&D and G&A	-25.3		+2.6	-22.7
Research and development	-33.9	+0.2	+0.8	-32.9
Operating profit	187.0	+0.4	-88.5	98.9
Financial account balance	-0.8			-0.8
Income taxes	-54.4	-0.1	+27.0	-27.5
Net income	131.8	+0.3	-61.5	70.6
EPS (JPY)	80.09			42.91

Intangible assets	
Amortization	+0.3
Impairment	+0.2
Others	
Lump-sum income from settlement agreement with Alexion Pharmaceuticals, Inc.	-91.9
Restructuring expenses, etc.	+3.4

Non-Core items

P/L Jan - Mar (Year on Year)

	CHUGAI
Roche Ro	oche Group

(Billions of JPY)	2021	2022	Grow	th
Revenues	168.8	268.6	+ 99.8	+ 59.1%
Sales	130.3	242.7	+ 112.4	+ 86.3%
Domestic	94.9	161.7	+ 66.8	+ 70.4%
Overseas	35.4	81.0	+ 45.6	+ 128.8%
Royalties and other operating income	38.6	25.9	- 12.7	- 32.9%
Royalty and profit-sharing income	36.6	25.2	- 11.4	- 31.1%
Other operating income	2.0	0.7	- 1.3	- 65.0%
Cost of sales	-55.0	-114.1	- 59.1	+ 107.5%
(cost to sales ratio)	42.2%	47.0%	+4.8%pts	-
Operating expenses	-48.5	-55.6	- 7.1	+ 14.6%
M&D and G&A *	-19.7	-22.7	- 3.0	+ 15.2%
Research and development	-28.7	-32.9	- 4.2	+ 14.6%
Operating profit	65.4	98.9	+ 33.5	+ 51.2%
(operating margin)	38.7%	36.8%	-1.9%pts	-
Financial account balance	0.3	-0.8	- 1.1	- 366.7%
Income taxes	-17.2	-27.5	- 10.3	+ 59.9%
Net income	48.4	70.6	+ 22.2	+ 45.9%
EPS (JPY)	29.42	42.91	+13.49	+ 45.9%

Domestic sales

Significant increase due to sales growth of new products as well as mainstay products

Overseas sales

Significant increase in sales of Hemlibra and Actemra

Royalty and profit-sharing income

Significant decrease in royalty income for initial shipping inventory of Hemlibra

Other operating income

Decrease in one-time income

Cost of sales

Cost to sales ratio higher due to a change in product mix, etc.

Operating expenses

Increase due to business taxes and increased activities of overseas subsidiaries

Increase of research and development expenses due to progress of projects, etc.

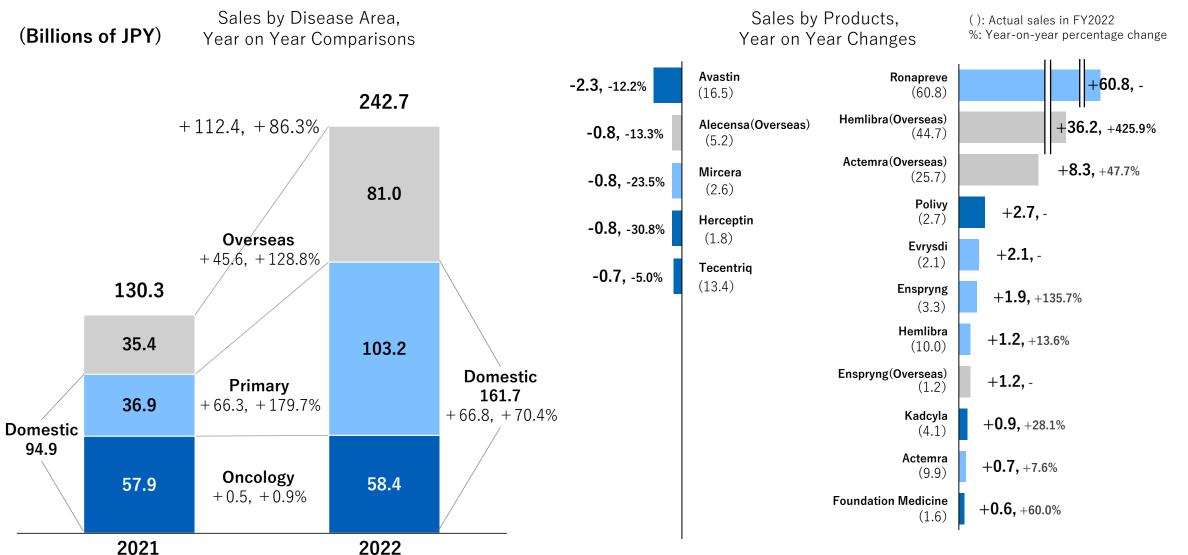
Operating profit

Growth mainly due to increase in sales

^{*} M&D: Marketing and distribution, G&A: General and administration

CHUGAI Roche Roche Group

Sales Jan - Mar (Year on Year)



Export of Actemra to Roche

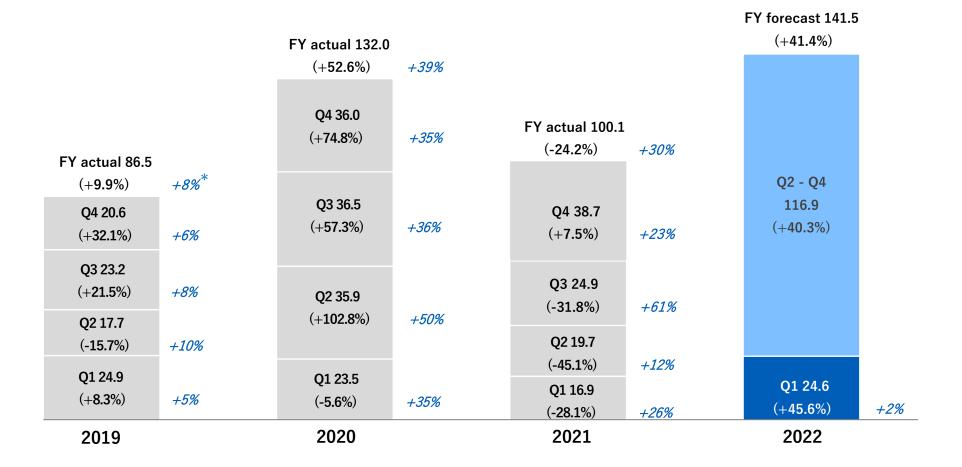
(Billions of JPY)

%: year on year growth

black: Chugai sales to Roche

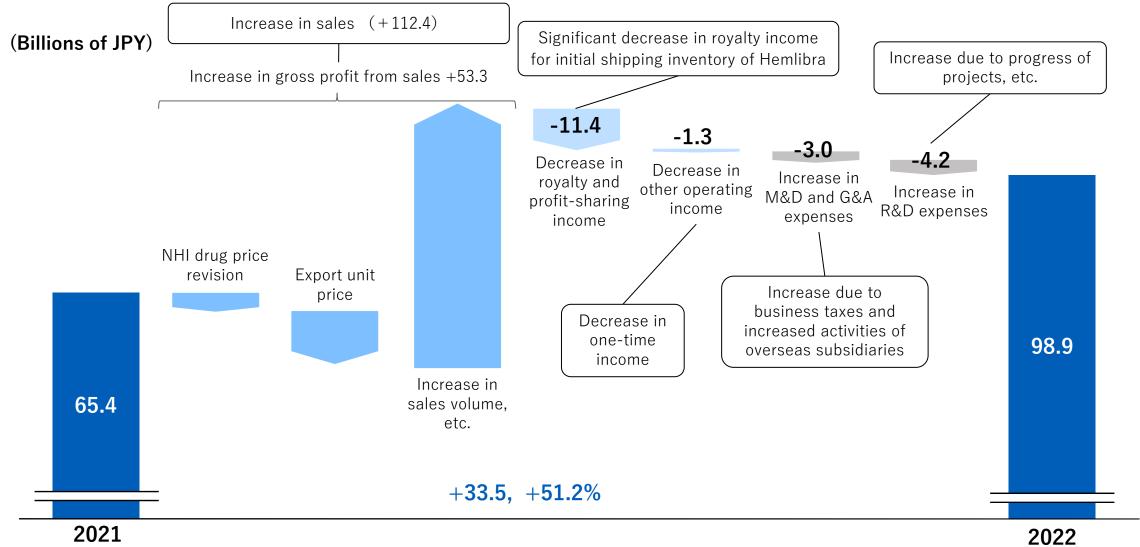


blue*: Roche sales excluding Japan (for reference)
*Growth rates in blue are calculated
with the effects of exchange rate fluctuations eliminated.



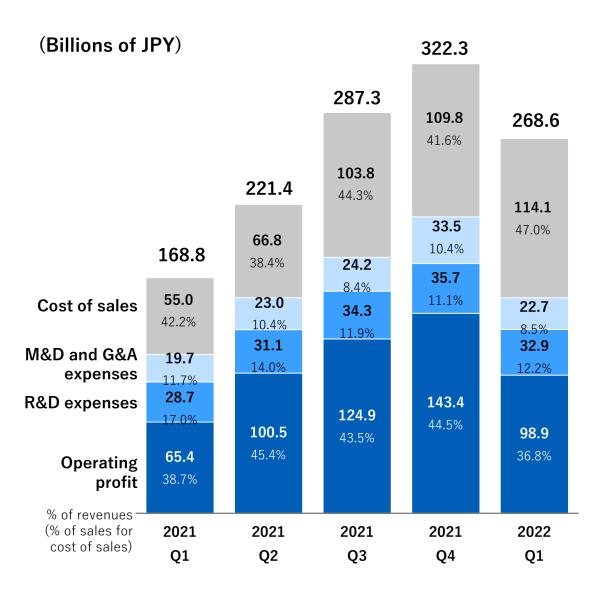


Operating Profit Jan - Mar (Year on Year)





Structure of Costs and Profit by Quarter



vs. Year on Year (2021 Q1)

Cost of sales ratio: higher due to a change in product mix, etc.

R&D expenses: increase due to progress of projects, etc.

Operating profit: increase of +33.5 (+51.2%)

vs. Previous Quarter (2021 Q4)

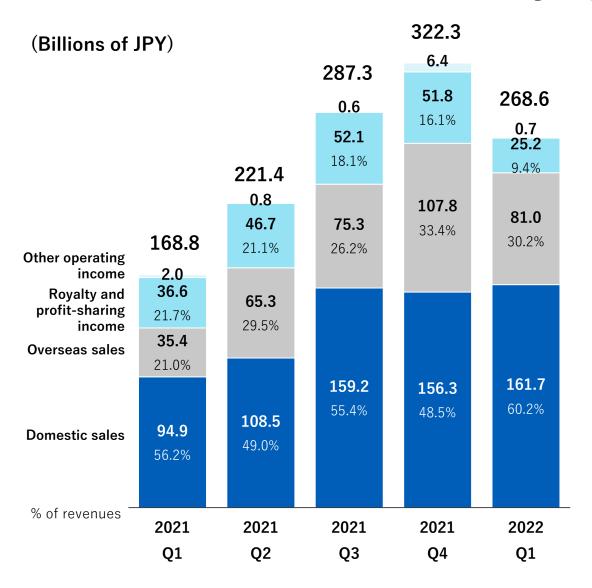
Cost of sales ratio: higher due to a change in product mix, etc.

M&D and G&A expenses: decrease in line with the trend of previous years

Operating profit: decrease of -44.5 (-31.0%)



Structure of Revenues by Quarter



vs. Year on Year (2021 Q1)

Domestic sales: significant increase due to sales growth of new products as well as mainstay products

Overseas sales: significant increase in sales of Hemlibra and Actemra

Royalty and profit-sharing income: significant decrease in royalty income for initial shipping inventory of Hemlibra

vs. Previous Quarter (2021 Q4)

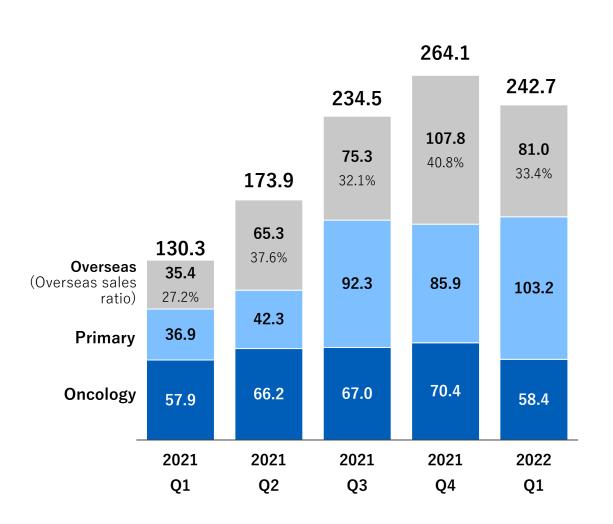
Domestic sales: decrease in line with the trend of previous years, increase in sales of Ronapreve

Overseas sales: decrease mainly due to variance in timing of exports from quarter to quarter, etc.

Royalty and profit-sharing income: decrease in income for Hemlibra

Structure of Sales by Quarter

(Billions of JPY)



vs. Year on Year (2021 Q1)

Overseas

Oncology	Polivy:	+2.7	Avastin:	-2.3
Primary	Ronapreve: Enspryng:		Evrysdi:	+2.1

+36.2

Actemra:

+8.3

vs. Previous Quarter (2021 Q4)

Hemlibra:

Avastin:	-4.6	Tecentriq:	-2.7
Ronapreve:	+26.2	Hemlibra:	-2.3
Edirol:	-1.6	Actemra:	-1.5
Actemra:	-13.6	Hemlibra:	-7.8
Alecensa:	-6.6		
	Ronapreve: Edirol: Actemra:	Ronapreve: +26.2 Edirol: -1.6 Actemra: -13.6	Ronapreve: +26.2 Hemlibra: Edirol: -1.6 Actemra: Actemra: -13.6 Hemlibra:

P/L Jan - Mar (vs. Forecast)

	Actual	Fore	cast	2021
(Billions of JPY)	2022	2022	Progress	Progress*
	Jan - Mar	Jan - Dec	Tiugiess	riugiess
Revenues	268.6	1,150.0	23.4%	16.9%
Sales	242.7	1,031.5	23.5%	16.2%
Domestic	161.7	646.3	25.0%	18.3%
Overseas	81.0	385.2	21.0%	12.5%
Royalties and other operating income	25.9	118.5	21.9%	19.6%
Royalty and profit-sharing income	25.2	114.0	22.1%	19.6%
Other operating income	0.7	4.5	15.6%	20.4%
Cost of sales	- 114.1	- 460.0	24.8%	16.4%
(cost to sales ratio)	47.0%	44.6%	-	-
Operating expenses	- 55.6	- 250.0	22.2%	21.1%
M&D and G&A	- 22.7	- 100.5	22.6%	19.6%
Research and development	- 32.9	- 149.5	22.0%	22.1%
Operating profit	98.9	440.0	22.5%	15.1%
(operating margin)	36.8%	38.3%	-	-
Net income	70.6	312.5	22.6%	15.5%
EPS (JPY)	42.91	190.00	22.6%	15.5%



Domestic Sales

Overall progress nearly in line with forecast

Overseas sales

Progress nearly in line with forecast

Royalty and profit-sharing income

Progress nearly in line with forecast

Other operating income

Progress nearly in line with forecast

Cost of Sales

Cost to sales ratio nearly in line with Q1 forecast

Operating expenses

Progress nearly in line with forecast

Operating profit

Progress nearly in line with forecast

^{*} Jan – Mar progress versus Jan – Dec

CHUGAI

Sales Jan - Mar (vs. Forecast)

	Actual	Fore	cast	2021
(Billions of JPY)	2022 Jan - Mar	2022 Jan - Dec	Progress	Progress *
Sales	242.7	1,031.5	23.5%	16.2%
Domestic	161.7	646.3	25.0%	18.3%
Oncology	58.4	260.5	22.4%	22.1%
Avastin	16.5	69.4	23.8%	23.2%
Tecentriq	13.4	62.0	21.6%	22.7%
Perjeta	7.4	33.7	22.0%	23.0%
Alecensa	6.3	28.7	22.0%	21.7%
Polivy	2.7	16.2	16.7%	0.0%
Kadcyla	4.1	16.0	25.6%	20.4%
Herceptin	1.8	8.3	21.7%	26.5%
Gazyva	1.0	5.4	18.5%	22.2%
Rituxan	1.0	4.1	24.4%	23.5%
Foundation Medicine	1.6	9.1	17.6%	19.6%
Other	2.6	7.5	34.7%	22.4%

	Actual	Forecast		2021
(Billions of JPY)	2022 Jan - Mar	2022 Jan - Dec	Progress	Progress *
Primary	103.2	385.8	26.7%	14.3%
Ronapreve	60.8	199.0	30.6%	0.0%
Hemlibra	10.0	51.8	19.3%	21.2%
Actemra	9.9	41.9	23.6%	21.3%
Enspryng	3.3	16.7	19.8%	14.4%
Edirol	3.3	10.8	30.6%	13.0%
Mircera	2.6	10.2	25.5%	23.6%
Evrysdi	2.1	8.8	23.9%	0.0%
CellCept	1.8	7.4	24.3%	23.8%
Bonviva	1.7	7.0	24.3%	24.4%
Oxarol	1.4	5.1	27.5%	22.6%
Other	6.3	27.1	23.2%	7.9%
Overseas	81.0	385.2	21.0%	12.5%
Hemlibra	44.7	186.0	24.0%	7.4%
Actemra	25.7	144.4	17.8%	16.9%
Alecensa	5.2	34.1	15.2%	12.0%
Enspryng	1.2	4.6	26.1%	0.0%
Neutrogin	2.4	8.8	27.3%	24.2%
Other	1.9	7.4	25.7%	19.4%

21

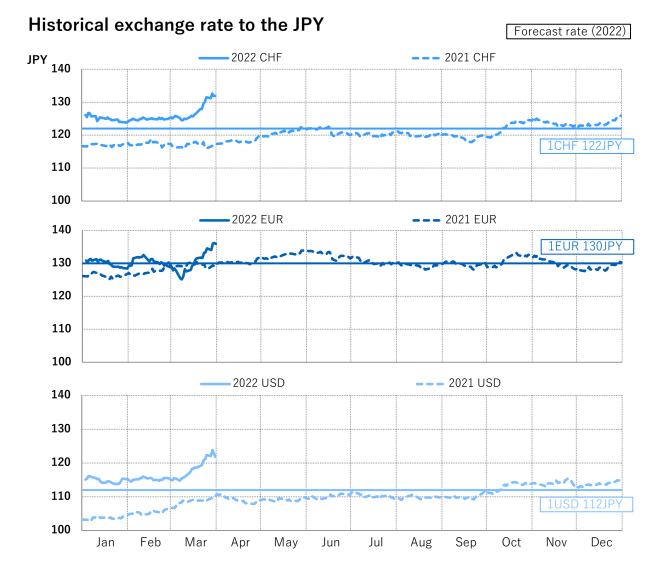
^{*} Jan – Mar progress versus Jan – Dec



Impact from Foreign Exchange (vs. Forecast)

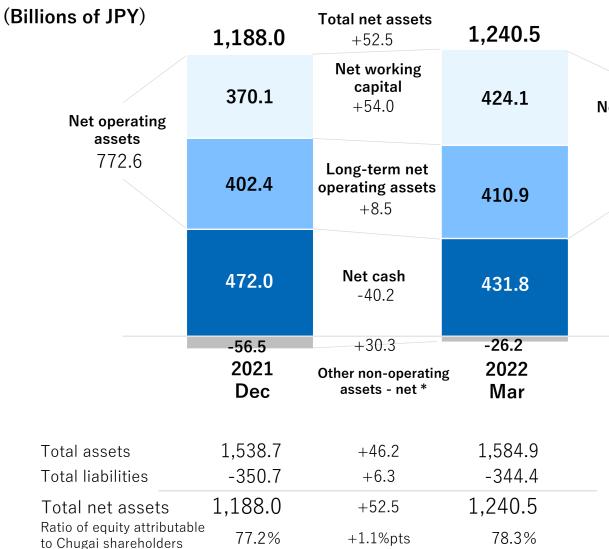
(billions of JPY)	FX impact 2022 (FX impact vs. Assumption)		
Revenues	Royalties and other	1.2 0.4	
Cost of sales & Operating expenses		0.1	
Operating profit	-1.0		

Market average exchange rate(JPY)	2021 Actual	2022 Assumption	2022 Actual
1CHF	117.08	122.00	125.78
1EUR	127.65	130.00	130.43
1USD	105.83	112.00	116.17



CHUGAI Roche Roche Group

Financial Position (vs. 2021 Year End)



Increase in net working capital

Net operating assets 834.9 +62.3 Increase mainly in accounts receivable relating to settlement agreement with Alexion Pharmaceuticals, Inc. despite decrease in trade accounts receivable, etc.

Increase in long-term net operating assets

Increase mainly in property, plant and equipment, etc.

Decrease in net cash

(See next slide)

Increase in other non-operating assets – net

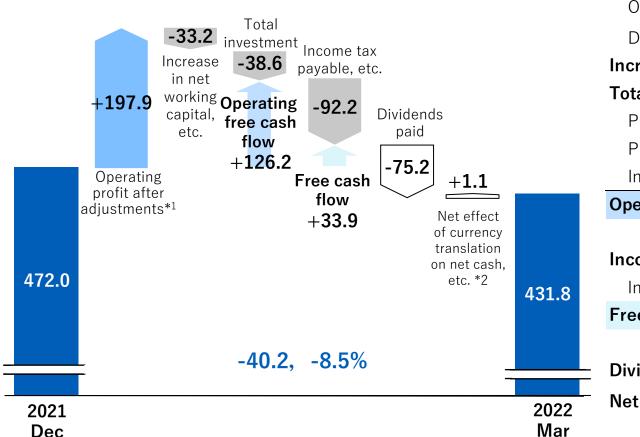
Decrease mainly in accrued corporate tax

^{*} E.g., deferred income tax assets, accrued corporate tax, etc.

Net Cash (vs. 2021 Year End)



(Billions of JPY)



Operating profit after adjustment *1	+197.9
Operating profit *1	+187.0
Depreciation, amortization and impairment *1	+7.5
Increase in net working capital, etc.	-33.2
Total investment	-38.6
Property, plant and equipment	-34.1
Payment for lease liabilities	-1.8
Intangible assets	-2.6
Operating free cash flow	+126.2
Operating free cash flow	+126.2
Operating free cash flow Income tax payable, etc.	+126.2
Income tax payable, etc.	-92.2
Income tax payable, etc. Income tax payable	-92.2 -85.5
Income tax payable, etc. Income tax payable	-92.2 -85.5

^{*1} Including Non-Core (IFRS results)

^{*2} Net effect of currency translation on net cash, etc. = Transaction in own equity instruments + Purchase of non-controlling interests + Net effect of currency translation on net cash(*3)

^{*3} Results from using different types of exchange rates when consolidating overseas subsidiaries in financial statements, i.e. net cash using end of period exchange rate and free cash flows using average exchange rate. (Chugai defines this term based on International Accounting Standard (IAS) 7 and IAS 21)



Tetsuya Yamaguchi

Executive Vice President, Head of Project & Lifecycle Management Unit

Q1 Topics



As of April 25, 2022

P3 study (Q1 2022)

P3 study (March 2022)

AED (February 2022)

MDA (March 2022)

		Mitchga	pruritus associated with atopic dermatitis	March 2022
Ap	Approved	Vabysmo	age-related macular degeneration associated with subfoveal choroidal neovascularization and diabetic macular edema (DME)	March 2022
		Perjeta/Herceptin	advanced or recurrent HER2-positive colon cancer or rectal cancer not amenable to curative resection that has progressed after cancer chemotherapy	March 2022
	E:lad	Actemra	COVID-19 in hospitalized adults - under Priority Review by the U.S. FDA	April 2022 (acceptance of filing)
	Filed	Gazyva	chronic lymphocytic leukemia (CLL) - combination with acalabrutinib	March 2022
		SKY59/crovalimab	Sickle cell disease (US and EU)	P2 study (March 2022)
Pipel	line entry	RG6321/ranibizumab(PDS)	neovascular age-related macular degeneration (nAMD) and DME	P1/2 study (March 2022)
		RG7828/mosunetuzumab	follicular lymphoma (3 rd Line)	P1 study (March 2022)
Deve	elopment	PC7002	non alaahalia ataatahanatitis (NASH)	

COMMODORE 3 (China) met co-primary endpoints in PNH

SUNFISH/RAINBOWFISH studies (Spinal muscular atrophy)

SKYSCRAPER-02 did not meet its co-primary endpoint of PFS in SCLC

non-alcoholic steatohepatitis (NASH)

YOSEMITE/RHINE studies (DME)

Underlined are disclosed due to changes in pipeline entry rule

Evrysdi

Vabysmo

RG7992

SKY59/crovalimab

RG6058/tiragolumab

discontinued

Readout in pivotal study

Medical conference

PDS: Port Delivery System with ranibizumab AED: Angiogenesis, Exudation and Degeneration MDA: Muscular Dystrophy Association

Letters in orange: in-house projects (global development) Letters in blue: in-licensed from Roche (development and distribution in Japan)

Mitchga® (nemolizumab)



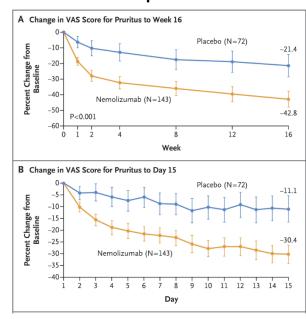
- Maruho received regulatory approval for pruritus associated with atopic dermatitis (AD)
- IL-31 is known to play a role in pruritus and skin inflammation associate with multiple skin diseases including AD, and Mitchga® is the first antibody drug targeting IL-31 receptor A
- Pruritus in AD affects QoL significantly by raising barriers in patients' lives, such as poor sleep quality and concentration
- Mitchga® is expected to improve QoL through a rapid improvement of pruritus as well as sleep disturbance

Results from P3 study in Japan*1

Outcome Measures	Primary endpoint	Sec	Safety		
(at week 16)	mean percent change in the VAS*2 score for pruritus	mean percent change in the EASI*3 score	DLQI*4 score 4 or less (proportion)	ISI*5 score 7 or less (proportion)	Adverse Event
nemolizumab (n=143)	-42.8%	-45.9%	40%	55%	71%
placebo (n=72)	-21.4%	-33.2%	22%	21%	71%
Difference between two groups (95%CI)	-21.5%pts (-30.2, -12.7), P < 0.001	-12.6%pts (-24.0, -1.3)	17%pts (2, 31)	33%pts (17, 48)	-

^{*}¹conducted by licensee Maruho *2 VAS (Visual Analogue Scale) provides a range of scores from 0–100 (0: no pruritus, 100: expected max pruritus)

Mean percent change in the VAS score for pruritus



^{*3} EASI (Eczema Area and Severity Index) is a validated scoring system that grades the physical signs of atopic dermatitis/eczema.

^{*4} DLQI (Dermatology Life Quality Index) is designed to measure the health-related quality of life of patients suffering from a skin disease (0-30 point).

^{*5} ISI (Insomnia Severity Index) is an instrument to assess sleep by patients' subjective views (0-28 point). 7 points or less corresponds to "no clinical insomnia." Mitchga® is a registered trademark of Maruho Co., Ltd. in Japan.

Vabysmo®



- First anti VEGF-A/anti Ang-2 bispecific antibody in ophthalmology, approved for neovascular age-related macular degeneration (nAMD) and diabetic macular edema (DME)
- Vabysmo® achieved a maximum 16-week dosing interval for the first time in P3 study and showed potential to reduce injection frequency and treatment burden
- Estimated number of patients in Japan: nAMD about 0.88 million*1, DME about 0.71 million*2
- Vabysmo® continued to be generally well-tolerated. Adverse events in the study eye that occurred at a frequency of 0.5% or greater included intraocular inflammation (e.g. uveitis), intraocular pressure increased, retinal pigment epithelial tears, and vitreous floaters.

Proportion of patients in global P3 studies who achieved a treatment duration of up to 16 weeks interval at 1 year or at 2 years *3

Indication study		at 1 year	at 2 years
nAMD	TENAYA	45.7%	Not presented
NAIVID	LUCERNE	44.9%	Not presented
DME	YOSEMITE	52.8%	60.0%
	RHINE	51.0%	64.5%

^{*1} Miho Yasuda; The Hisayama Study. New Ophthalmology 2016;33:1247-51. *2 Yau JW, et al. Diabetes Care 2012;35:556-64.

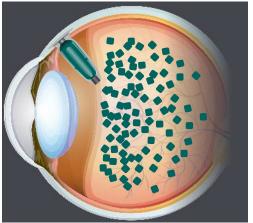
Port Delivery System with Ranibizumab¹ (PDS)

- PDS is an implant that enables long and continuous drug delivery
- ●PDS maintains visual acuity and controlled retinal thickness as effectively as monthly ranibizumab injections
- In US, Genentech received the FDA approval in October 2021 for the indication of neovascular agerelated macular degeneration (nAMD) and commercializes the product under SUSVIMO $^{TM 2}$. Global phase III trials are ongoing for diabetic macular edema (DME) and diabetic retinopathy.
- In Japan, local phase I/II trial is ongoing in nAMD and DME patients with every 24 -week refills.

Implant

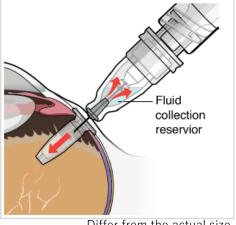


Drug diffusion



Differ from the actual size

Refill Exchange



Differ from the actual size

^{1.} Ranibizumab is a Fab-fragment of a recombinant humanized monoclonal antibody against vascular endothelial growth factor-A (VEGF-A) that is already marketed and supplied worldwide as Lucentis® for intravitreal administration.

^{2.} Dosage and administration in US: The recommended dose of SUSVIMO (ranibizumab injection) is 2 mg(0.02 mL of 100 mg/mL solution) continuously delivered via the SUSVIMO implant with refills every 24 weeks (approximately 6 months).

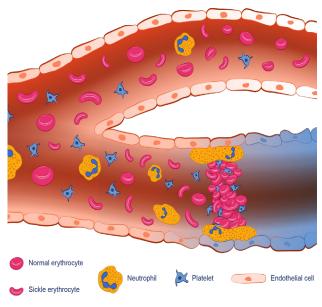


Crovalimab: Sickle cell disease (SCD)

Exploring the potential role of complement inhibition with crovalimab in the treatment of SCD

- **SCD** is a genetic disorders caused by mutations in HBB, which encodes hemoglobin subunit β
- **■** Hemoglobin molecules that include mutant hemoglobin subunit β can polymerize, which cause sickling of red blood cells
- Sickled erythrocyte results in chronic hemolysis and anemia, painful vaso-occlusive crises, and multi-system end-organ damage that accumulates over time
- Prevalence of SCD is highest in sub-Saharan Africa, India, the Middle East, and the Mediterranean region and is increasing globally due to migration patterns. It is rare in Japan
- Elevation in markers of complement activation have been reported in SCD*

* Tampaki A et al. Blood rev 2021;100805.



Source: materials from Roche

Crovalimab Clinical Development

Study	Main Objective
CROSSWALK-a	evaluating the safety and the preliminary efficacy for an acute vaso-occlusive painful crisis, which is a major unmet need in SCD, with single-dose treatment Primary endpoint: safety
CROSSWALK-c	evaluating the efficacy of sustained, longer-term complement inhibition in prevention of vaso-occlusive crises and end-organ damage Primary endpoint: VOC rate, up to 48 weeks

VOC: Vaso-occlusive crises



2022: Key R&D Milestones

	Product	Indication/Study name	Progress
	Actemra	COVID-19 pneumonia	✓
	nemolizumab	Atopic dermatitis	✓
	Hemlibra	Acquired hemophilia A	
Projects to be	Herceptin/Perjeta	HER2 positive colorectal cancer	✓
approved	faricimab	Neovascular age-related macular degeneration (nAMD)	✓
	faricimab	Diabetic macular edema (DME)	✓
	Tecentriq	Non-small cell lung cancer (NSCLC) [adjuvant]	
	Polivy	Previously untreated diffuse large B-cell lymphoma (DLBCL)	
	Alecensa	ALINA Study: NSCLC [adjuvant]	2023
	gantenerumab	GRADUATE1/2 Study: Alzheimer's disease	
	Tecentriq	IMpower030 Study: NSCLC [neoadjuvant]	
P3/Pivotal	Tecentriq	IMmotion010 Study: RCC [adjuvant]	
readouts	Tecentriq	IMvoke010 Study: HNC [adjuvant]	
	Tecentriq + Avastin	IMbrave050 Study: HCC [adjuvant]	
	Tecentriq + tiragolumab	SKYSCRAPER-01 Study: NSCLC [1st line]	
	Tecentriq + tiragolumab	SKYSCRAPER-02 Study: SCLC	×

Letters in orange: in-house projects (development in global) Letters in blue: in-licensed from Roche (development and distribution in Japan)



Projected Submissions (Post PoC NMEs and Products)

Roche Roche Group

NME	Line	extensio	ľ

in-house in-licensed (Roche)



DLBCL: diffuse large B-cell lymphoma FDC: fixed-dose combination

nAMD: neovascular age-related macular degeneration

HCC: hepatocellular carcinoma

PNH: paroxysmal nocturnal hemoglobinuria

BC: Breast cancer

RCC: renal cell carcinoma

NSCLC: non-small cell lung cancer SCLC: small cell lung cancer

HNC: head and neck carcinoma

MIBC: muscle-invasive bladder cancer gMG: generalized myasthenia gravis

RVO: retinal vein occlusion

DMD: duchenne muscular dystrophy

aHUS: atypical hemolytic uremic syndrome

SCD: Sickle cell disease

PDS: Port Delivery System with ranibizumab

Filed

HEMLIBRA 🛨 (ACE910/RG6013) mild-moderate hemophilia A (EU)

as of April 25, 2022

GAZAYVA 🛨 (RG7159) CLL

HEMLIBRA (ACE910/RG6013) Acquired hemophilia A

POLIVY (RG7596) 1L DLBCL

ACTEMRA * (MRA/RG1569) COVID-19 pneumonia (US)

TECENTRIO (RG7446) NSCLC (adjuvant)

TECENTRIO+AVASTIN (RG7446 + RG435)1L Ovarian Cancer

RG6264 (FDC, sc) **Breast Cancer**

TECENTRIO (RG7446) RCC (adjuvant) **TECENTRIO** (RG7446) HNC (adjuvant) TECENTRIO (RG7446) 2L RCC + cabozantinib

TECENTRIO 🛨

(RG7446) Urothelial Carcinoma

TECENTRIQ 🛨 (RG7446) 21 NSCLC + cabozantinib

TECENTRIO (RG7446) NSCLC (neoadjuvant)

ALECENSA (AF802/RG7853) NSCLC (adjuvant) **VABYSMO** (RG7716) RVO

gantenerumab (RG1450) Alzheimer's Disease

tiragolumab (RG6058) NSCLC + TECENTRIO

ipatasertib (RG7440) **Prostate Cancer**

AVASTIN (RG435) 1L SCLC

+ TECENTRIQ

TECENTRIQ+AVASTIN (RG7446 + RG435)HCC (adjuvant)

tiragolumab + TECENTRIQ (RG6058 + RG7446)**Esophageal Cancer**

tiragolumab + TECENTRIQ (RG6058 + RG7446)NSCLC (Stage III)

TECENTRIQ (RG7446) MIBC (adjuvant)

ENSPRYNG (SA237/RG6168) gMG

ranibizumab(PDS) (RG6321) nAMD/DMF

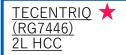
SRP-9001 (RG6356) DMD

mosunetuzumab (RG7828) 3L Follicular lymphoma

pralsetinib (RG6396) 1L NSCLC mosunetuzumab (RG7828) 2L Follicular lymphoma

giredestrant (RG6171) 1L BC

giredestrant (RG6171) BC (adjuvant)



TECENTRIO+AVASTIN (RG7446 + RG435)HCC(intermediate stage)

TECENTRIO (RG7446) eBC (neoadiuvant)

TECENTRIO (RG7446) eBC (adjuvant)

crovalimab 🔭 SCD (US/EU)

2022 2024 2023

2025 and beyond

★: new entry ★: changes in submission year

Projects under Development (1/2)



Letters in orange: in-house projects (development in global) Letters in blue: in-licensed from Roche (development and distribution in Japan)

As of April 25, 2022

Pha	Phase I P		Phase III		Filed
LUNA18 - solid tumors GC33 / codrituzumab - HCC ERY974 - solid tumors STA551 - solid tumors SOF10 (RG6440) - solid tumors SPYK04 - solid tumors RG7828 / mosunetuzumab - follicular lymphoma (3L) ★	RG7421 / cobimetinib - solid tumors RG7802 / cibisatamab - solid tumors RG6026 / glofitamab - hematologic tumors RG6194 / HER2-TDB - solid tumors		AF802 (RG7853) / Alecensa - NSCLC (adjuvant) RG7446 / Tecentriq - NSCLC (neoadjuvant) - NSCLC (2L) ★ - urothelial carcinoma (1L) - MIBC (adjuvant) - RCC (adjuvant) - RCC (2L) - early BC (adjuvant) - early BC (neoadjuvant) - HCC (2L) ★ - HNC (adjuvant) - prostate cancer (2L) ★ RG7446 / Tecentriq + RG435 / Avastin - NSCLC (adjuvant) - ovarian cancer (1L) - HCC (adjuvant) - HCC (intermediate stage)	RG7440 / ipatasertib - prostate cancer (1L) RG6264 (Herceptin+Perjeta) - breast cancer (Fixed-dose combination, subcutaneous injection) RG6058 / tiragolumab + RG7446 / Tecentriq - SCLC (1L) - NSCLC (1L) - NSCLC(stage III) - esophageal cancer RG6171 / giredestrant - breast cancer (1L) - breast cancer (adjuvant) RG7828 / mosunetuzumab - follicular lymphoma (2L) RG6396 / pralsetinib - NSCLC	RG7446 / Tecentriq - NSCLC (adjuvant) RG7596 / Polivy - DLBCL RG7159 / Gazyva - CLL *

In principle, completion of first dose is regarded as the start of clinical studies in each phase. DLBCL: diffuse large B-cell lymphoma

DLBCL: diffuse large B-cell lymphoma HCC: hepatocellular carcinoma SCLC: small cell lung cancer RCC: renal cell carcinoma BC: breast cancer NSCLC: non-small cell lung cancer HNC: head and neck carcinoma MIBC: muscle-invasive bladder cancer TDB: T cell-dependent bispecific CLL: chronic lymphocytic leukemia

^{★:} Projects with advances in stages since February 3, 2022 Underlined are new entries due to change of rule in pipeline

Projects under Development (2/2)



Letters in orange: in-house projects (development in global) Letters in blue: in-licensed from Roche (development and distribution in Japan)

As of April 25, 2022

	Phase I	Phase II	Phase III	Filed
Immunology	RG7880 (IL-22 fusion protein) - inflammatory bowel disease			MRA (RG1569) / Actemra (US) - COVID-19 pneumonia★
Neurology	GYM329 (RG6237) - neuromuscular disease RG7935 / prasinezumab - Parkinson's disease RG6100 / semorinemab - Alzheimer's disease RG6102 (BS-Gante) - Alzheimer's disease	RG7906 / ralmitaront - schizophrenia	SA237 (RG6168) / Enspryng - generalized myasthenia gravis (gMG) RG1450 / gantenerumab - Alzheimer's disease RG6042 / tominersen - Huntington's disease	
Hematology	NXT007 - hemophilia A (PI/II)	SKY59 (RG6107) / crovalimab - sickle cell disease (SCD) ★	SKY59 (RG6107) / crovalimab - PNH - Atypical hemolytic uremic syndrome (aHUS)	ACE910 (RG6013) / Hemlibra (JPN) - Acquired hemophilia A ACE910 (RG6013) / Hemlibra (EU) - mild/moderate hemophilia A ★
Ophthalmology	RG6321 / PDS - DME ★ - nAMD ★		RG7716 / Vabysmo - retinal vein occlusion	
Other	AMY109 - endometriosis			

In principle, completion of first dose is regarded as the start of clinical studies in each phase.

* Sarepta manages the global study, including Japan

gMG: generalized myasthenia gravis PNH: paroxysmal nocturnal hemoglobinuria nAMD: neovascular age-related macular degeneration DME: diabetic macular edema PDS: Port Delivery System with ranibizumab DMD: Duchenne muscular dystrophy

^{★:} Projects with advances in stages since February 3, 2022 Underlined are new entries due to change of rule in pipeline



Advances in Chugai Originated Projects Licensed Out to the 3rd Party Representation

★: changes since February 3, 2022 As of April 25, 2022

Development code Chugai/generic name (partner code)	Licensee	Indication	Stage	Mode of Action	Progress
		Ovarian cancer	global: P2		US FDA BTD (recurrent LGSOC in combination with defactinib)
CKI27	Verastem		global: P2	RAF/MEK	_
(VS-6766)	Oncology	NSCLC	global: P1/2	inhibitor	 RAMP 203 trial (in combination with KRAS G12C inhibitor sotorasib) initiated in Q1 2022 ★
			global. P1/2		 RAMP 204 trial (in combination with KRAS G12C inhibitor, adagrasib) to be initiated in Q2 2022
	Global	(Galderma) Japan Prurigo podularis	global: P3		_
CINADO4 /			Japan: approved ★	Anti-IL-31 receptor A humanized monoclonal antibody	Granted regulatory approval for itch associated with atopic dermatitis ★
CIM331/ nemolizumab	(Galderma) Japan		global: P3		• US FDA BTD
	(Maruho)		Japan: P2/3		_
		CKDaP	global: P2/3★		_
					 Conduct a 12-week proof of concept study in type 2 diabetes (P1b)
OWL833	LII LIIIY allu	Type 2 diabetes	global: P2	Oral non- peptidic GLP-1	✓ Highest dose group of OWL833 shows 4.71 kg weight loss and 1.77% lowering of HbA1c
(LY3502970)	Company			receptor agonist	 Initiated P2 study in September 2021
		Obesity	global: P2	Ü	Initiated P2 study in September 2021

LGSOC: low-grade serous ovarian CKDaP: CKD associated pruritus



FoundationOne CDx Cancer Genomic Profile -companion diagnostic indications- where Group

As of April 25, 2022

Alterations	Cancer type	Relevant drugs	
Activated <i>EGFR</i> gene alterations		afatinib dimaleate, erlotinib hydrochloride, gefitinib, osimertinib mesylate, <u>dacomitinib hydrate</u>	
EGFR exon 20 T790M alterations		osimertinib mesylate	
ALK fusion genes	Non-small cell lung	alectinib hydrochloride, crizotinib, ceritinib, <u>brigatinib</u>	
ROS1 fusion genes	cancer (NSCLC)	entrectinib	
MET exon 14 skipping alterations		capmatinib hydrochloride hydrate	
BRAF V600E alterations		dabrafenib mesilate, trametinib dimethyl sulfoxide	
BRAF V600E and V600K alterations	Malignant melanoma	dabrafenib mesylate, trametinib dimethyl sulfoxide, vemurafenib, <u>encorafenib, binimetinib</u>	
ERBB2 copy number alterations (HER2 gene amplification positive)	Breast cancer	trastuzumab (genetical recombination)	
KRAS/NRAS wild-type	Colorectal cancer	cetuximab (genetical recombination), panitumumab (genetical recombination)	
Microsatellite Instability-High	Colorectal cancer	nivolumab (genetical recombination)	
Microsatellite Instability-High		pembrolizumab (genetical recombination)	
Tumor Mutational Burden-High	Solid tumors	pembrolizumab (genetical recombination)	
NTRK1/2/3 fusion gene		entrectinib, larotrectinib sulfate	
BRCA1/2 alterations	Ovarian cancer	olaparib	
BRCA1/2 alterations	Prostate cancer	olaparib	
FGFR2 fusion genes	Biliary tract cancer	pemigatinib	

^{*} Underlined are the companion diagnostic features and relevant drugs currently filed for regulatory approval



FoundationOne Liquid CDx Cancer Genomic Profile Companion diagnostic indications

As of April 25, 2022

Alterations	Cancer type	Relevant drugs	
Activated <i>EGFR</i> gene alterations	Non-small cell lung cancer (NSCLC)	afatinib dimaleate, erlotinib hydrochloride, gefitinib, osimertinib mesylate	
EGFR exon 20 T790M alterations		osimertinib mesylate	
ALK fusion genes		alectinib hydrochloride, crizotinib, ceritinib	
ROS1 fusion genes		entrectinib	
NTRK1/2/3 fusion gene	Solid tumors	entrectinib	
BRCA1/2 alterations	Prostate cancer	olaparib	



Main clinical trials to be initiated

NOTE:

No additional data other than public information are disclosed prior to initiation of trials

Development Code	Indication	Phase	CT information
GYM329/RG6237	Spinal Muscular Atrophy in combination with Evrysdi	P 2/3	NCT05115110
RG7159/obinutuzumab	Lupus nephritis	P3	https://jrct.niph.go.jp/detai 1/17455/jRCT/3 (Japanese only)

Contacts



Corporate Communications Dept.

For Media: Media Relations Group

Tel: +81(0)3-3273-0881

E-mail: pr@chugai-pharm.co.jp

Person in Tomoko Shimizu, Chisato Miyoshi,

charge: Shumpei Yokoyama, Kaho Izumi, Mari Otsuka

For Investors: Investor Relations Group

Tel: +81(0)3-3273-0554

E-mail: ir@chugai-pharm.co.jp

Person in Takayuki Sakurai, Hideki Sato,

charge: Tomoyuki Shimamura, Sachiyo Yoshimura, Yayoi Yamada



INNOVATION BEYOND IMAGINATION