



This presentation contains certain forward-looking statements. These forward-looking statements may be identified by words such as 'believes', 'expects', 'anticipates', 'projects', 'intends', 'should', 'seeks', 'estimates', 'future' or similar expressions or by discussion of, among other things, strategy, goals, plans or intentions. Various factors may cause actual results to differ materially in the future from those reflected in forward-looking statements contained in this presentation, among others:

- 1 pricing and product initiatives of competitors;
- 2 legislative and regulatory developments and economic conditions;
- 3 delay or inability in obtaining regulatory approvals or bringing products to market;
- 4 fluctuations in currency exchange rates and general financial market conditions;
- 5 uncertainties in the discovery, development or marketing of new products or new uses of existing products, including without limitation negative results of clinical trials or research projects, unexpected side-effects of pipeline or marketed products;
- 6 increased government pricing pressures;
- 7 interruptions in production;
- 8 loss of or inability to obtain adequate protection for intellectual property rights;
- 9 litigation;
- 10 loss of key executives or other employees; and
- 11 adverse publicity and news coverage.

Any statements regarding earnings per share growth is not a profit forecast and should not be interpreted to mean that Roche's earnings or earnings per share for this year or any subsequent period will necessarily match or exceed the historical published earnings or earnings per share of Roche.

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Roche

HY 2019 results

Basel, 25 July 2019



Group

Severin Schwan
Chief Executive Officer





HY 2019 performance

Outlook



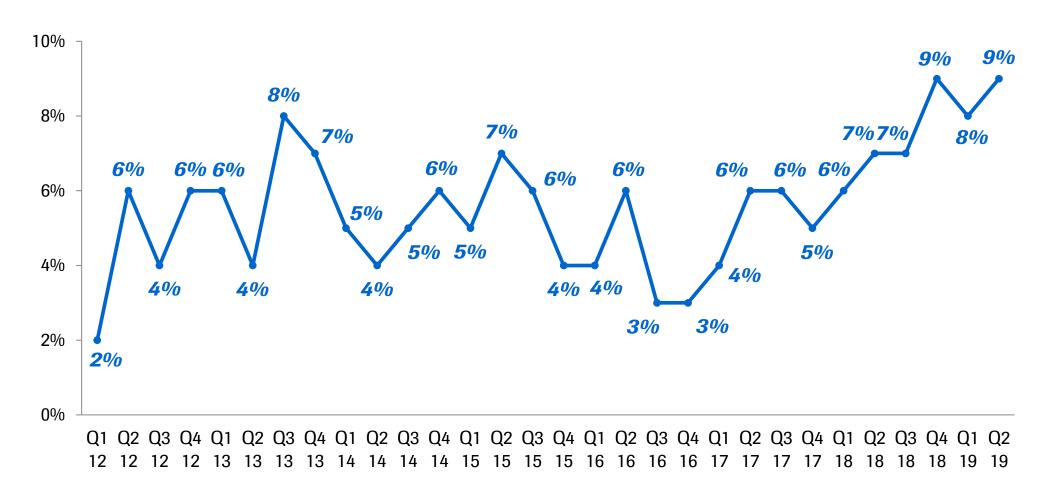


	HY 2019	HY 2018	Change in %	
	CHFbn	CHFbn	CHF	CER
Pharmaceuticals Division	24.2	21.8	11	10
Diagnostics Division	6.3	6.3	0	2
Roche Group	30.5	28.1	8	9

CER=Constant Exchange Rates





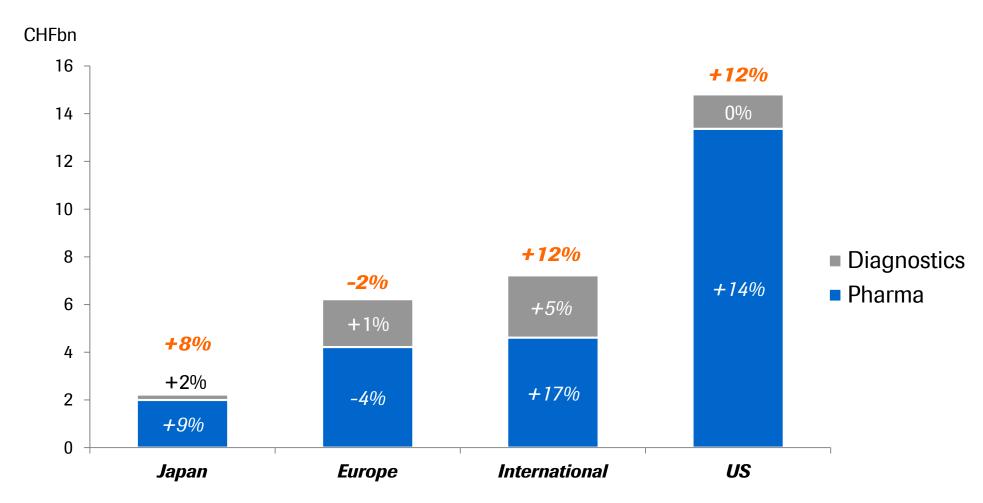


All growth rates at Constant Exchange Rates (CER)

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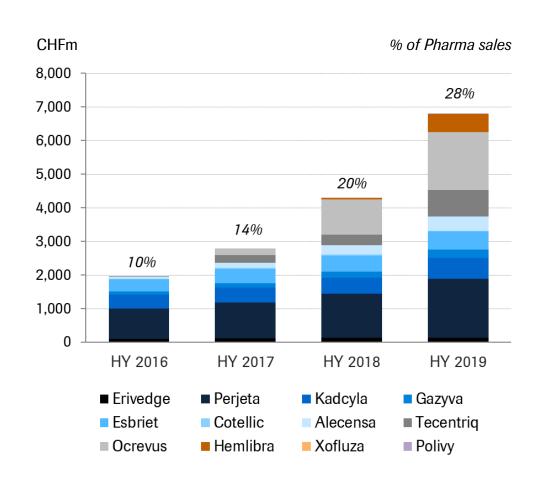


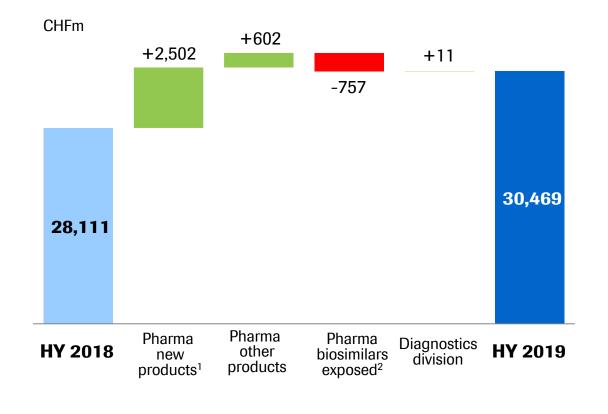




New products with strong momentum

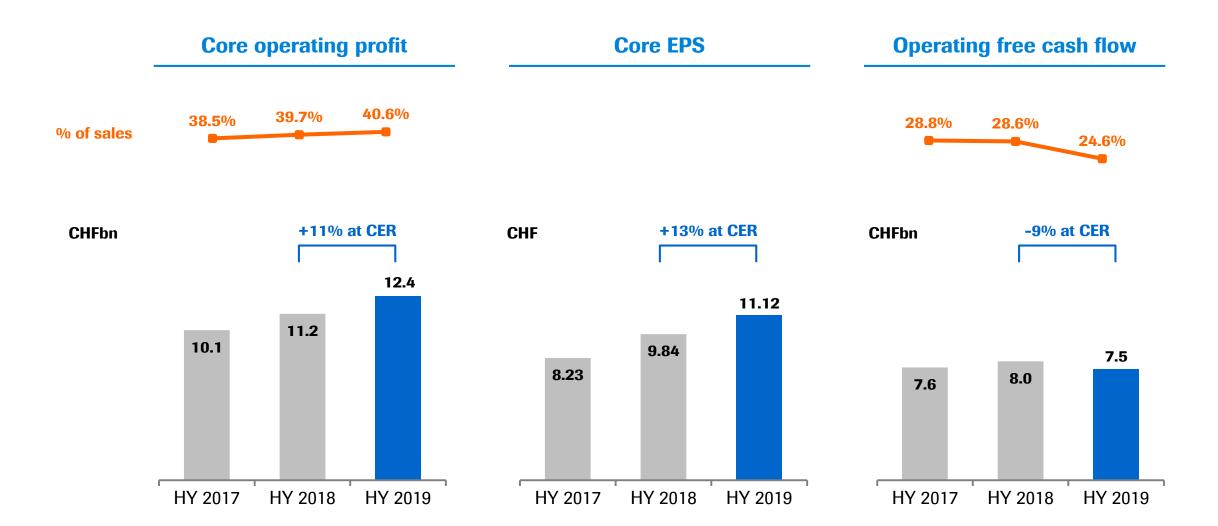






HY 2019: Strong profitability growth





CER=Constant Exchange Rates

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Roche significantly advancing patient care BTD's and BDD's reflecting the quality of our research

Breakthrough Therapy Designations (BTD)

Year	Molecule	Indication	
2019	Venclexta + Gazyva	1L unfit CLL	
UIS	Kadcyla	Adjuvant HER2+ BC	
	satralizumab	NMOSD	
Xolair	Xolair	Food allergies	
2010	Tecentriq + Avastin	HCC	
2018	Hemlibra	Hemophilia A non-inhibitors	
	entrectinib	NTRK+ solid tumors	
	balovaptan	Autism spectrum disorders	
	polatuzumab vedotin + BR	R/R DLBCL	
	Venclexta + LDAC	1L unfit AML	
2017	Zelboraf	BRAF-mutated ECD	
	Rituxan	Pemphigus vulgaris	
Actemra	Actemra	Giant cell arteritis	
	Alecensa	1L ALK+ NSCLC	
016	Ocrevus	PPMS	
	Venclexta + HMA	1L unfit AML	
	Venclexta + Rituxan	R/R CLL	
	Actemra	Systemic sclerosis	
015	Tecentriq	NSCLC	
015	Venclexta	R/R CLL 17p del	
	Hemlibra	Hemophilia A inhibitors	
	Esbriet	IPF	
014	Lucentis	Diabetic retinopathy	
	Tecentriq	Bladder	
010	Alecensa	2L ALK+ NSCLC	
2013	Gazyva	1L CLL	

Breakthrough Device Designations (BDD)

Year	Device	Intended use
	Elecsys β-Amyloid + p-Tau Cerebro Spinal Fluid assays	AD: PET concordance AD: Progression
	sFit + PLGF	Preeclampsia: rule-out within 1w
2018	FACT CDx (liquid biopsy assay)	70 oncogenes + MSI + bTMB
	cobas EBV	EBV in transplant patients
	cobas BKV	BKV in transplant patients
	CoaguChek Direct-X	Patients on Factor Xa

Replace and extend the business: Excellent start into the year



Replace/extend existing businesses

Gazyva, Venclexta, MabThera/Rituxan Polivy. mosunetuzumab. CD20 x CD3 Perjeta, Kadcyla, Herceptin Herceptin + Perjeta FDC-SC Tecentriq, Alecensa, Avastin Rozlytrek faricimab Lucentis Port delivery system (PDS) Xofluza Tamiflu

Entering new franchises

MS: Ocrevus

Hemophilia A: Hemlibra

CNS:
NMOSD, SMA,
Huntington's, Autism,
Alzheimer's

Achievements HY 2019

Entering new franchises

Ocrevus: Treat early and with full dose to max benefit,

good safety sustained (Data at AAN)

satralizumab: Ph III mono & combo data - filing on-going

risdiplam: 1 year data in types 1/2/3 SMA

Gazyva: Ph II positive headline in lupus nephritis

Hemlibra: EU approval in Hemophilia A (non-inhibitors)

Replace/extend existing businesses

Gazyva+Ven: US approval in 1L CLL

Polivy: US approval in R/R DLBCL

Kadcyla: US approval in adj. HER2+ BC

Tecentriq: EU approval in 1L NSCLC with Avastin

US approval in 1L SCLC & 1L TNBC

Herceptin: US approval Hylecta (SC formulation)

Rozlytrek: JP approval in NTRK+ solid tumors

Xofluza: US filing acceptance in high risk patients

positive Ph IIIs in prevention and children



HY 2019 performance

Outlook



Roche: Strong news flow over next 18 months Diversifying the late stage pipeline and setting new SOC

Product	Status	Product
risdiplam in SMA	Phase II/III types 1/2/3	Tecentriq in 1L HCC
HTT-ASO in Huntington's	Phase II/III	Tecentriq in FL ovarian cancer
satralizumab in NMOSD	Phase III (broad label)	Tecentriq in adj bladder cance
Compro in lunuo nonhuitio	Phase II	Tecentriq in neoadj TNBC
Gazyva in lupus nephritis		Tecentriq in (neo)adj NSCLC
etrolizumab in UC and Crohn's	Phase III (induction and maintenance)	Tecentriq in 1L melanoma
PDS in nAMD	Phase III	Perjeta + Herceptin FDC-SC
faricimab in DME/nAMD	Phase III	ipatasertib 1/2L TNBC
		ipatasertib 1L+ HR+
Neuroscience	Ophthalmology	ipatasertib in 1L mCRPC
Immunology	Oncology	idasanutlin in R/R AML
		Polivy in 1L DLBCL

Product	Status
Tecentriq in 1L HCC	Phase III
Tecentriq in FL ovarian cancer	Phase III
Tecentriq in adj bladder cancer	Phase III
Tecentriq in neoadj TNBC	Phase III
Tecentriq in (neo)adj NSCLC	Phase III
Tecentriq in 1L melanoma	Phase III (Dx+)
Perjeta + Herceptin FDC-SC	Phase III
ipatasertib 1/2L TNBC	Phase III (Dx+)
ipatasertib 1L+ HR+	Phase III (Dx+)
ipatasertib in 1L mCRPC	Phase III (all comers and Dx+)
idasanutlin in R/R AML	Phase III
Polivy in 1L DLBCL	Phase III

2019 outlook further raised



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Sales growth to "mid- to high-single digit" from "mid-single digit"

Group sales growth¹

Mid- to high-single digit (from mid-single digit)

Core EPS growth¹

• Broadly in line with sales

Dividend outlook

Further increase dividend in Swiss francs

¹ At Constant Exchange Rates (CER)



Pharmaceuticals Division

Bill Anderson CEO Roche Pharmaceuticals





HY 2019: Pharmaceuticals Division sales Strong growth in US, International and Japan

	HY 2019	HY 2019 HY 2018 Change i		in %
	CHFm	CHFm	CHF	CER
Pharmaceuticals Division	24,194	21,847	11	10
United States	13,370	11,378	18	14
Europe	4,221	4,528	-7	-4
Japan	1,988	1,781	12	9
International	4,615	4,160	11	17

CER=Constant Exchange Rates



HY 2019: Pharma Division

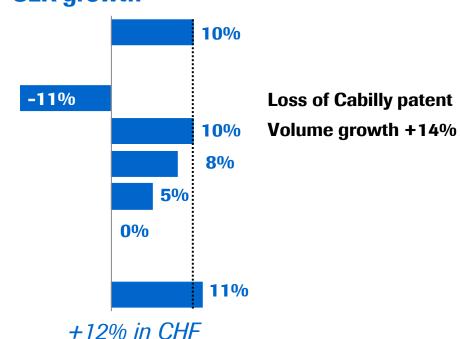
Strong Core operating profit grows ahead of sales

HY 2019

CHFm % sales

Sales	24,194	100.0
Royalties & other op. inc.	1,249	5.2
Cost of sales	-4,939	-20.6
M & D	-3,395	-14.0
R & D	-4,873	-20.1
G & A	-736	-3.0
Core operating profit	11,500	47.5

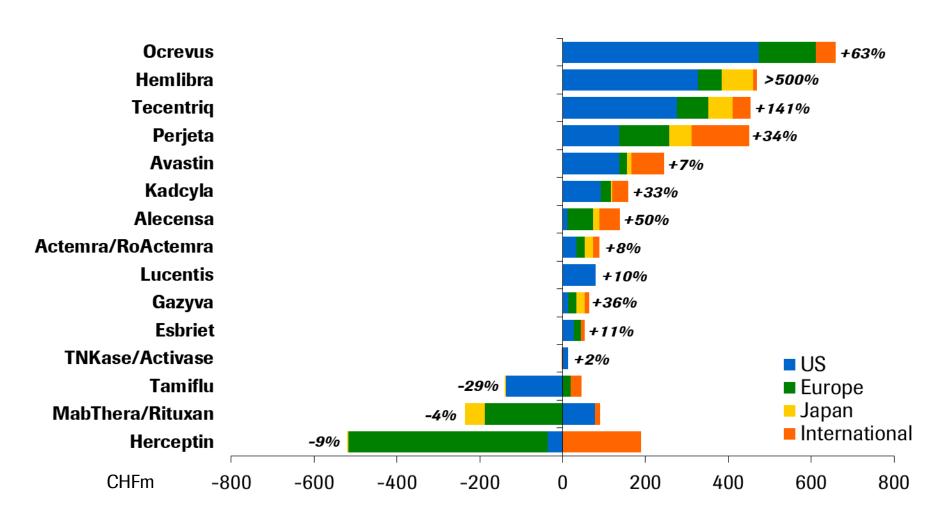
2019 vs. 2018 CER growth



CER=Constant Exchange Rates

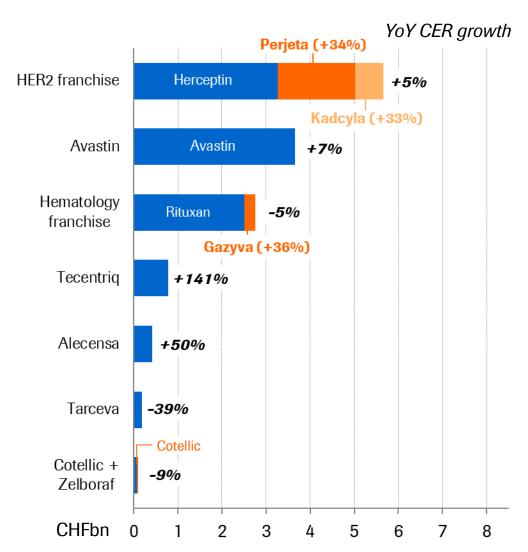






HY 2019: Oncology sales +6% driven by recent approvals





Oncology Q2 update

HER2 franchise

- Perjeta: Growth driven by eBC
- Kadcyla: Strong uptake in adj BC and growth in 2L mBC

Avastin franchise

Stable growth in CRC and OC; strong uptake in China

Hematology franchise

- Venclexta:* Strong growth in 1L AML & 1L and R/R CLL
- Gazyva: Growth driven by approved indications

Tecentriq

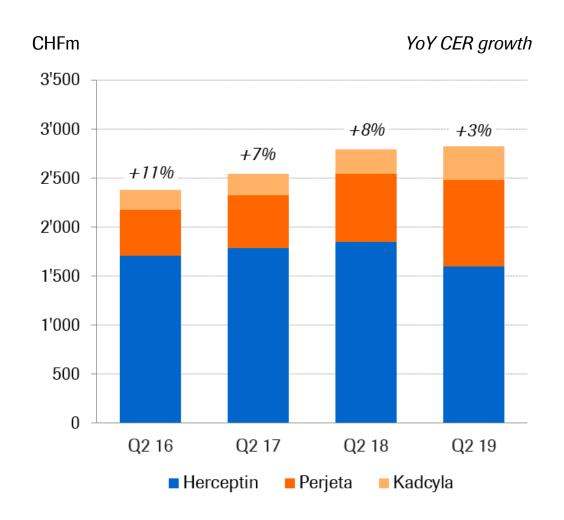
Growth driven by first-in-class launches in 1L SCLC & 1L TNBC

Alecensa

Further market share gains in 1L ALK+ NSCLC

HER2 franchise: Growth due to Perjeta and Kadcyla





HER2 franchise **Q2** update

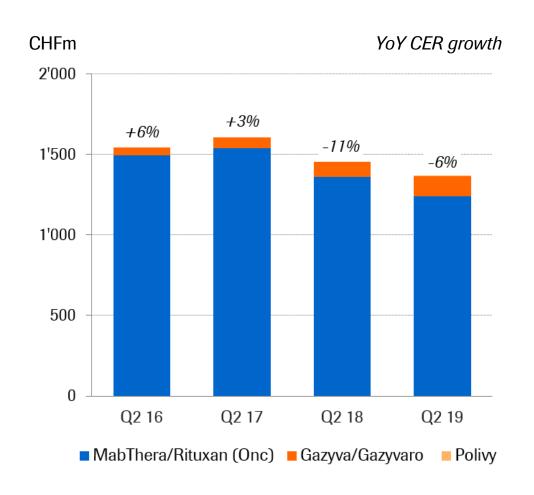
- Perjeta US (+9%): Growth driven by eBC (APHINITY); QoQ switching of eligible new patients to Kadcyla as planned
- Perjeta EU (+28%): Strong eBC uptake
- Kadcyla US (+62%): Growth in adjuvant setting for patients with residual disease (KATHERINE)

Outlook 2019

- US/EU: Continued Perjeta and Kadcyla uptake in eBC
- US: Market entry of Herceptin biosimilars
- APHINITY 2nd OS interim analysis (5 years) and longer term iDFS results to be presented
- Ph III (FEDERICA) for Herceptin + Perjeta FDC-SC



Hematology franchise: Increasing contribution from Gazyva, Venclexta, Polivy



Hematology franchise Q2 update

CD20 franchise

- MabThera (onc) EU (-33%): Erosion rate slows
- Gazyva (+38%): Growth driven by 1L FL

Venclexta*

- US: Strong growth driven by 1L and R/R CLL and 1L unfit AML
- US: Early approval for Venclexta + Gazyva in 1L CLL

Polivy

US: First sales following early approval in R/R DLBCL

Outlook 2019

- US: Market entry of Rituxan biosimilars expected in November
- EU: Polivy approval in R/R DLBCL

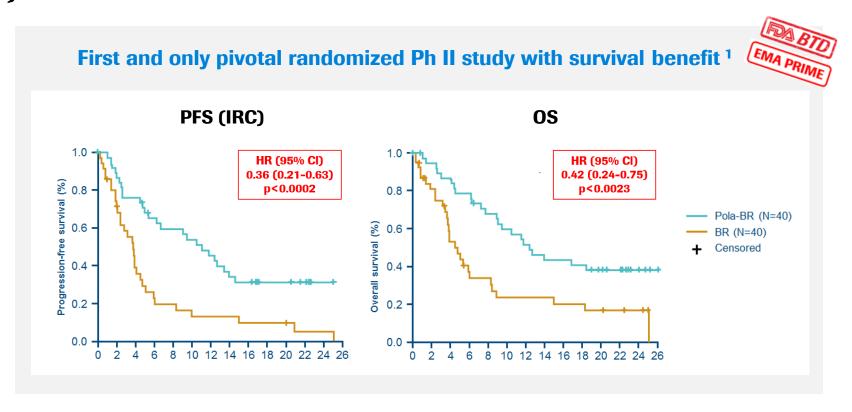






First approval for Polivy in R/R DLBCL

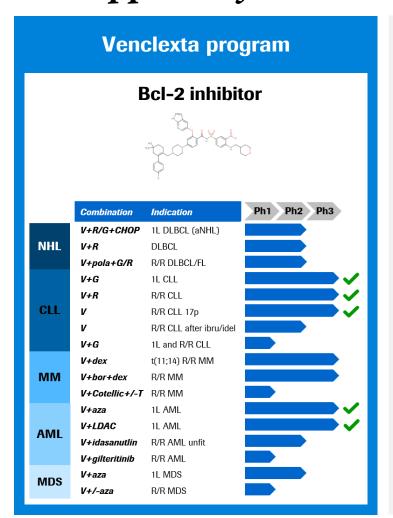
Polivy (polatuzumab vedotin) anti-CD79b region Monomethyl auristatin E payload ADC targeting toxic payload to cells expressing CD79b Immediately accessible and economic off-the-shelf solution



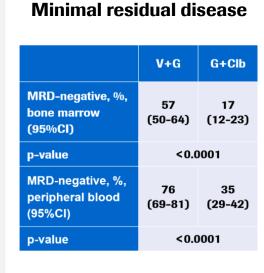
- Rapid uptake in R/R DLBCL following early US approval; EU approval expected in 2H
- Safely administered in combination with BR; potentially used as a bridge to consolidative therapies
- · Ph III trials in 1L DLBCL (POLARIX) ongoing

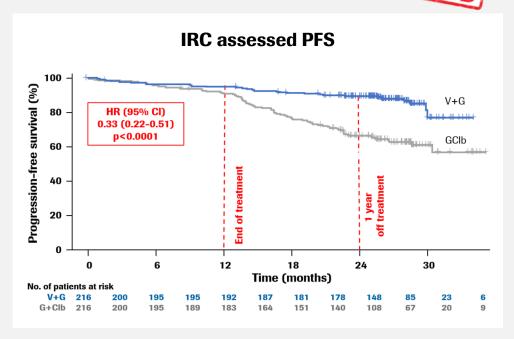
Hematology franchise:

Fast approval for Venclexta + Gazyva in 1L CLL achieved



Ph III (CLL14) results:



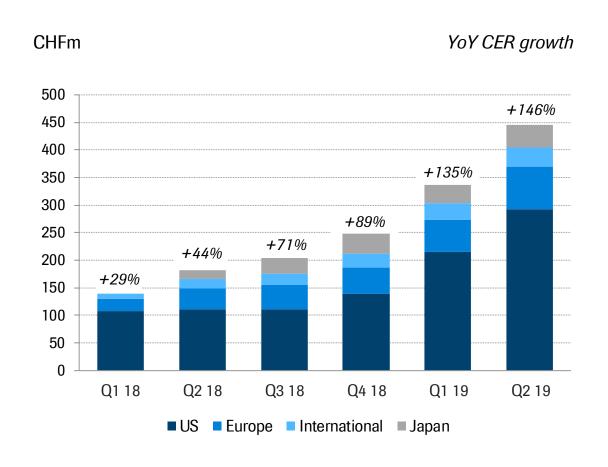


- PFS HR of 0.33 versus Gazyva + chlorambucil; mPFS not yet reached
- First fixed 12-month treatment, chemotherapy-free option
- Approval following 10 weeks after submission via the RTOR pilot program





Global growth driven by lung and breast franchises



Lung franchise (NSCLC, SCLC)

- US: Growth driven by 1L NSCLC and first-in-class 1L SCLC
- EU: Increasing shares in 2L NSCLC; 1L NSCLC launches
- Japan: Strong launch in 1L NSCLC

GU franchise (bladder cancer)

US/EU: Stable shares in approved indications

Breast franchise (TNBC)

US: Growth driven by first-in-class launch in PDL1+ 1L TNBC

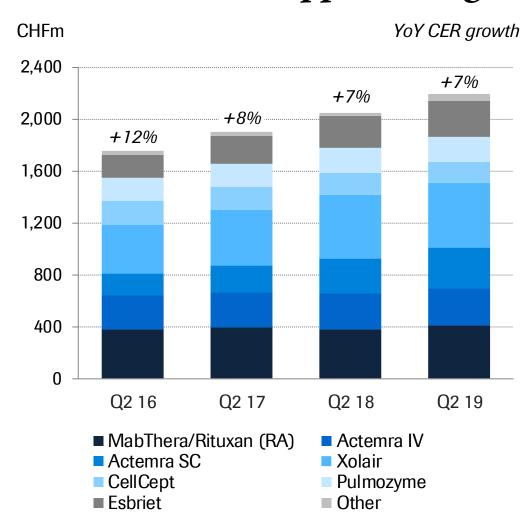
Outlook 2019

- EU approval in 1L SCLC and 1L TNBC
- 5 Ph III read-outs including HCC and BRAF+ melanoma

Immunology franchise

Roche

Annualized sales approaching CHF 9bn



Immunology Q2 update

Esbriet (+13%)

Growth in mild to moderate segments

Actemra (+10%)

- EU: Remains leader in overall and 1L monotherapy RA
- Growth driven by RA new patient starts and GCA launches

Xolair (+2%)

- · Growth driven by CIU
- Positive Ph III (POLYP I/II) results in nasal polyps

Immunology franchise



Gazyva in immunology: Positive Ph II results in lupus nephritis

Gazyva (glycoengineered anti-CD20 Mab)

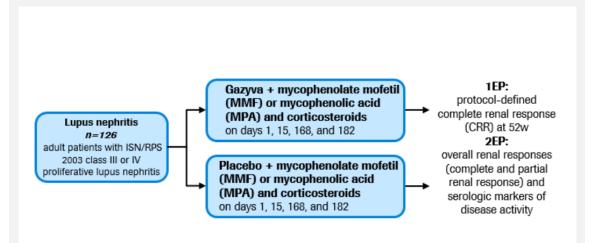
Type II anti-CD20 region:

- · Increased direct cell death
- Decreased CDC
- Reduced CD20 internalization

Glycoengineered Fc region:

- Higher FcγR affinity
- Enhanced ADCC/ADCP
- Gazyva's MOA shows greater potency than Rituxan in depleting peripheral and tissue-based B cell populations
- Recent studies suggest that tissue-based B cells play a role in lupus nephritis and that their complete depletion is needed

Ph II (NOBILITY) results:

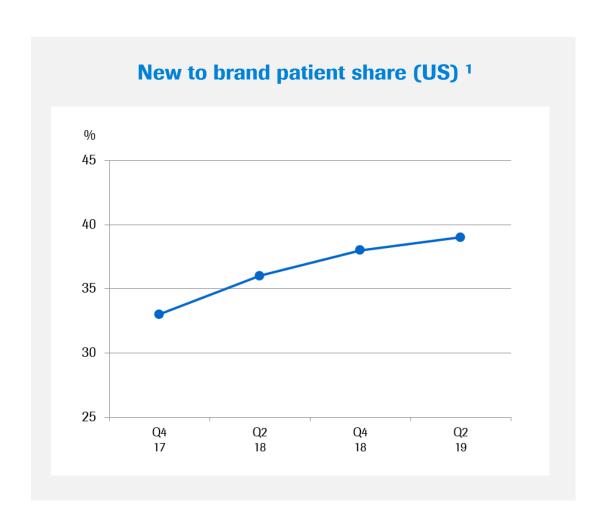


- Ph II (NOBILITY) met both primary and key secondary endpoints
- High unmet medical need; no treatment approved
- Data to be presented; Ph III program to be initiated

Neuroscience franchise



Close to 4 out of 10 MS patients in the US start a new therapy on Ocrevus





Key milestones achieved

- No.1 prescribed DMT in the US for MS patients starting a new therapy¹
- >100,000 patients have been treated globally
- >5,000 US neurologists have prescribed Ocrevus
- Safety profile remains in-line with benefit/risk from pivotal studies
- 5.5 years of long term safety data





Ocrevus reaches 17% total US market share 1



Ocrevus Q2 update

- US driven by continued growth in earlier lines and strong demand from returning patients
- Strong launches in EU and International
- Updated US label includes active SPMS and CIS

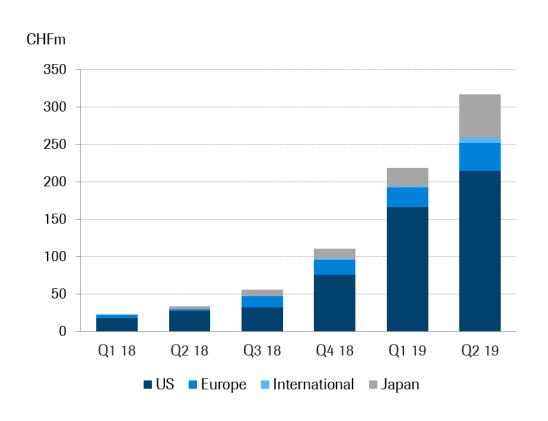
Outlook 2019

- Moving into earlier lines displacing orals
- Ongoing launches in EU and International
- 13 on-going and new Ph III/IV studies

Hemophilia A franchise



Hemlibra with 14% total US market share after 20 months



Hemlibra Q2 update

- US: Strong uptake in non-inhibitors driven by large centers and patient requests
- Japan: Strong uptake in non-inhibitors and inhibitors
- Overall >3,500 patients treated globally
- ISTH: Pooled HAVEN data analysis shows 87.3% of patients without treated joint bleeds at weeks 25-48

Outlook 2019

US/EU: Uptake in non-inhibitors and inhibitors

CER=Constant Exchange Rates 30





Pivotal studies enrolling rapidly; worldwide rights to PDS secured

Port delivery system (PDS) with ranibizumab



- Ph III (ARCHWAY) in nAMD at fixed Q6M dosing fully recruited, data expected in 2020
- Ex-US rights to PDS with ranibizumab acquired from Novartis
- New indications, new MOAs in PDS planned to leverage platform technology

Faricimab (anti-VEGF/Ang-2 biMab)



anti-Ang-2

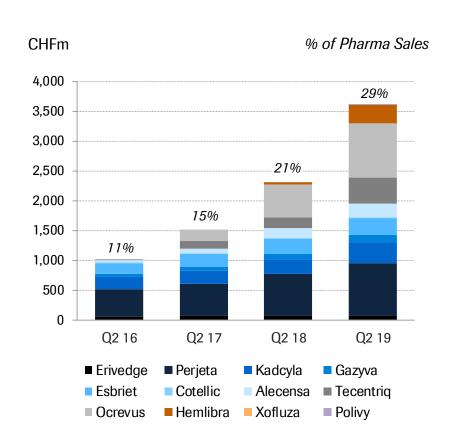
 Enhanced vessel stabilisation through Ang-2 inhibition

anti-VEGF-A

- Proven efficacy through VEGF-A inhibition
- First bi-specific antibody in ophthalmology
- Robust Ph II data in DME and nAMD
- Rapid enrollment in the global Ph III studies in DME (YOSEMITE, RHINE) and nAMD (TENAYA, LUCERNE)









^{*} Venclexta sales are booked by partner AbbVie and therefore not included.



Strong short term news flow Diversifying the late stage pipeline and setting new standards of care

Product	Filing date	Population	
risdiplam in SMA	2019 in type 1/2/3	~18k (rare disease)	
satralizumab in NMOSD	2019	~21k (rare disease)	
HTT-ASO in Huntington's	Ph II & III ongoing; filing latest 2022	~83k (rare disease)	
Gazyva in lupus nephritis	initiating Ph III	~190k	
etrolizumab in UC and Crohn's Disease	filing in UC in 2020	UC ~700k CD ~640k (moderate to severe)	
PDS in nAMD	fully recruited; filing in 2020	nAMD ~4,090k	
faricimab in DME/nAMD	recruitment ahead of plan; filing in 2021/22	DME ~4,400k	
Neuroscience Ophthalmology Immunology Oncology			

Product	Filing date	Population
Tecentriq in 1L HCC	2019	~300k¹
Tecentriq in neoadj TNBC	2020	~19k
Tecentriq in adj bladder cancer	2020	~50k
Tecentriq in 1L melanoma	2020	~11k (Dx+)
Tecentriq in FL ovarian cancer	2020	~41k
idasanutlin in R/R AML	2020	~22k
Perjeta + Herceptin FDC-SC	2020	~75k
ipatasertib 1/2L TNBC	2020	~11k (Dx+)
ipatasertib 1L+ HR+ (chemo treated only)	2020	~83k (Dx+) ~15k (Dx+/chemo only)
ipatasertib in 1L mCRPC	2020	~200k (AC) 100k (Dx+)
Polivy in 1L DLBCL	2020/21	~52k
Tecentriq in (neo)adj NSCLC	2021/22	~75k

Roche Pharma Day 2019



Strategic business outlook and late stage pipeline update



Roche Pharma Day 2019

London

Monday, 16 September 2019, 9:00am-2:45pm BST

Meeting information:

09:00am Registration09:30am Event starts2:45pm Event endsfollowed by a buffet reception

Venue:

Hilton London Tower Bridge 5 More London Place Tooley Street, London SF1 2BY

Senior management present:

- Bill Anderson, CEO Pharma
- Sandra Horning, Chief Medical Officer and Head Global Product Development
- Teresa Graham, Head of Global Product Strategy
- Paulo Fontoura, Global Head Neuroscience and Rare Diseases Clinical Development
- Elena Bernedo-Arzac, Head Oncology Global Product Strategy
- Cristin Hubbard, Head I2O Global Product Strategy
- Zafar Hakim, I2O Global Product Strategy
- Atul Dandekar, Global Head of Ophthalmology, I2O Global Product Strategy
- Sascha Fauser, Global Head of Ophthalmology pRED
- Bryn Roberts, Global Head of Operations pRED

120=immunology, Infectious diseases, Ophthalmology

2019: Key late-stage news flow*



	Compound	Indication	Milestone	
	Rozlytrek	1L ROS1+ NSCLC	US approval; EU filing	
	Rozlytrek	NTRK+ pan tumor	US approval; EU filing	
	Polivy	R/R DLBCL	US/EU approval	~
	Tecentriq + chemo	1L PDL1+ TNBC	US/EU approval	~
	Tecentriq + chemo	1L SCLC	US/EU approval	✓
	Xofluza	High risk influenza	US approval	
Regulatory	Kadcyla	Adjuvant HER2+ BC	US approval; EU filing	~
	Hemlibra	Non-inhibitors	EU approval	✓
	Tecentriq + Avastin + chemo	1L NSCLC	EU approval	✓
	Venclexta + chemo	1L unfit AML	EU filing	
	Venclexta + Gazyva	1L unfit CLL	US/EU filing	✓
	satralizumab	NMOSD	US/EU filing	
	risdiplam	SMA type 1/2/3	US/EU filing	
	Tecentriq + Cotellic	BRAFwt Melanoma	IMspire170	X
	Tecentriq + Zelboraf + Cotellic	1L BRAF+ Melanoma	Ph III IMspire150 (TRILOGY)	
	Tecentriq	Adjuvant high-risk MIBC	Ph III IMvigor010	
Dhoop III / pivotol	Tecentriq + chemo	Neoadjuvant TNBC	Ph III IMpassion031	IA passed
Phase III / pivotal	Tecentriq + Avastin	1L HCC	Ph lb/IMbrave150	
readouts	Venclexta + Gazyva	1L unfit CLL	Ph III CLL14	✓
	idasanutlin + chemo	R/R AML	Ph III MIRROS	
	Venclexta + chemo	R/R MM	Ph III BELLINI	**
	risdiplam	SMA type 2/3	Ph II/III SUNFISH	

Additional 2019 news flow:

- MabThera/Rituxan: EU approval of pemphigus vulgaris
- Herceptin Hylecta: US approval SC formulation
- Venclexta + Gazyva: US approval in 1L unfit CLL; EU filed

- Rozlytrek: Japan early approval for NTRK+ solid tumors
- Gazyva: Positive Ph II results in lupus nephritis
- Xolair: Positive Ph III results in nasal polyps



Diagnostics Division

Michael Heuer CEO Roche Diagnostics



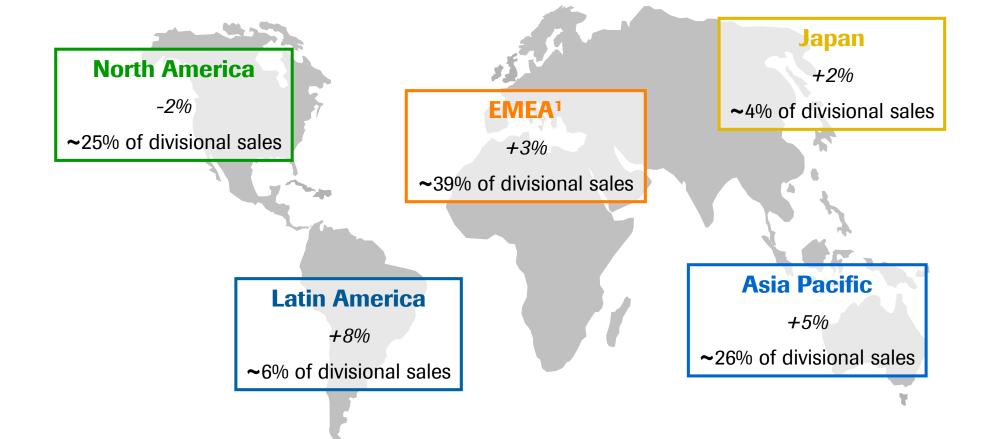


HY 2019: Diagnostics Division sales Growth driven by Centralised and Point of Care Solutions and Molecular Diagnostics

	HY 2019	HY 2018	Change	in %	
	CHFm	CHFm	CHF	CER	
Diagnostics Division	6,275	6,264	0	2	
Centralised and Point of Care Solutions	3,762	3,755	0	3	
Molecular Diagnostics	1,029	979	5	6	
Diabetes Care	958	991	-3	1	
Tissue Diagnostics	526	539	-2	-3	



HY 2019: Diagnostics Division regional sales Growth driven by Asia Pacific and EMEA

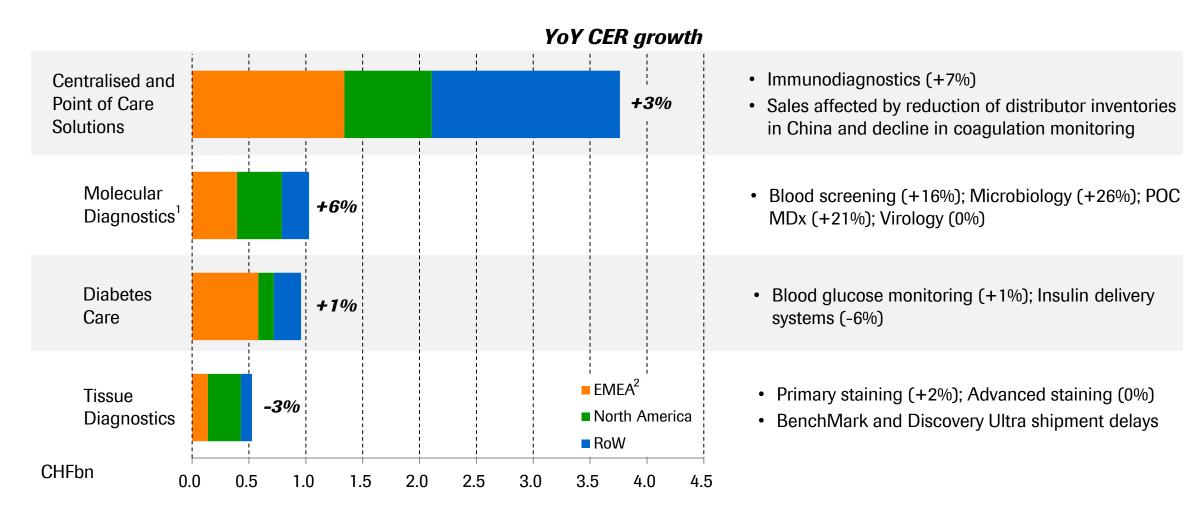


+6% growth in E7 countries²

¹ Europe, Middle East and Africa; ² Brazil, China, India, Mexico, Russia, South Korea and Turkey; all growth rates at Constant Exchange Rates (CER)

HY 2019: Diagnostics Division highlights *Growth driven by Immunodiagnostics*





¹ Underlying growth of Molecular Diagnostics excluding sequencing business: +5%; ² EMEA=Europe, Middle East and Africa; CER=Constant Exchange Rates



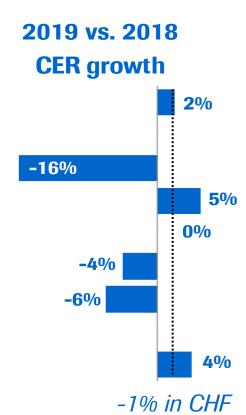


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Core operating profit growing at +4%

HY 2019 CHFm % sales

Sales	6,275	100.0
Royalties & other op. inc.	33	0.5
Cost of sales	-2,929	-46.6
M & D	-1,405	-22.4
R & D	-688	-11.0
G & A	-222	-3.5
Core operating profit	1,064	17.0



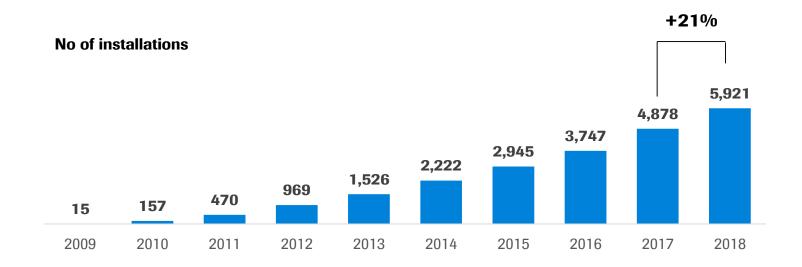
CER=Constant Exchange Rates

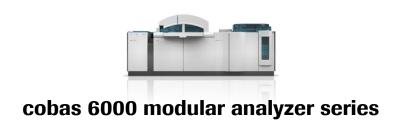


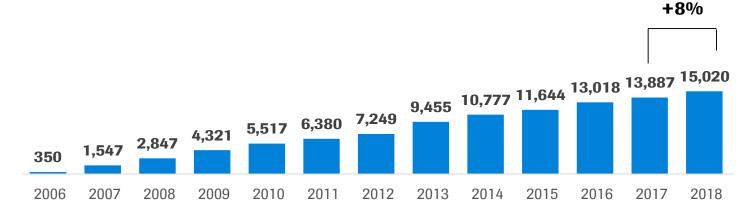




cobas 8000 modular analyzer series









FDA clearance of cobas® TV/MG Menu expansion of high volume STI testing on cobas 6800/8800



- Better diagnosis and screening of STIs and improved patient care
- Ability to test four STIs from a single patient sample
- Highest throughput testing solution on the market today for combination CT/NG and TV/MG testing

Installed instrument base: >700*

*June 2019

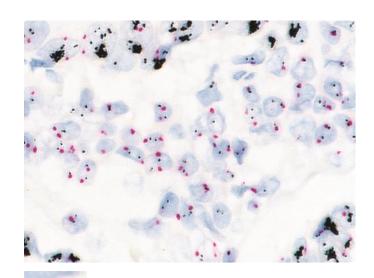


cobas® 6800/8800 systems driving growth in molecular Continued menu expansion of our high medical value assays

Donor Scre	ening	Infectious Diseas	е	Sexual Health		Transplant		Transplant		Transplant		Respiratory		Antimicrobia Stewardship	
MPX	*	HIV-1	V	HPV	*	CMV		MTB	*	MTB-RIF/INH	*				
WNV	*	HBV	*	CT/NG	*	EBV	Launch 2019	MAI	*						
DPX	*	HCV	*	TV/MG	~	(CE-IVD in 2019,		MPLX Respiratory							
HEV (Not available in the US	(3)	HIV-1/2 Qual (CE-IVD, US-IVD in 2020)	*	(CE-IVD, US-IVD in 2019) HPV Self Sampling		BKV (CE-IVD in 2019,	Launch 2019 US-IVD in 2020)	(CE-IVD in 2020, US-IVD in 20	21)						
CHIKV/DENV (Not available in the US	4 (3)			(CE-IVD in 2020)											
Zika (US-IVD, CE-IVD in 20	019)														
Babesia L (US-IND, US-IVD & CE	aunch 2019 -IVD in 2019)														



VENTANA HER2 dual ISH DNA probe cocktail Brightfield microscopy as an alternative to FISH testing



HER2+ receptor



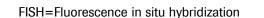
Increased performance, with oligo probes and new detection kits; highly concordant with FISH



Brightfield assay that allows for interpretation within the context of tissue morphology



CE IVD assay, indicated for patients for whom Herceptin treatment is considered





NAVIFY Tumor Board 2.0 in collaboration with GE Healthcare Clinical decision support with medical imaging capabilities



NAVIFY Tumor Board 2.0:

- Integration of GE Healthcare's medical image viewer* into NAVIFY Tumor Board 2.0
- Enables radiologists to upload patient records to same dashboard as patient files from other disciplines

Key launches 2019



	Area	Product	Description	Market ¹	
Instruments/ Devices	Workflow	cobas prime	Pre-analytical platform to support cobas 6800/8800	CE/US	
	Coagulation	Protein C Chrom	Quantitative determination of protein C in citrated plasma on cobas t 511 / t 711 analyzers	CE	
Tests/ Assays	Microbiology	cobas TV/MG	High volume solution for TV/MG testing; dual-target test with ability to test with CT/NG from the same specimen during the same run	US	
	Wilciobiology	cobas vivoDx MRSA	Live cell assay for prevention and control of MRSA infections	CE •	/
	Tissue Dx	VENTANA HER2 Dual ISH	Fully automated, brightfield ISH assay to determine eligibility for HER2 targeted therapy	CE •	/
	Central Laboratory	cobas Infinity Central Lab 3.0	One global laboratory middleware solution realizing a very high degree of integration in the laboratory	WW •	
	Tissue Dx	Algorithm - Breast Panel	Whole slide analysis image analysis algorithm (HER2, ER, PR, Ki-67)	CE	
		Algorithm - PD-L1 Lung	Whole slide analysis image analysis algorithm (SP263)	CE	
	0	NAVIFY Mutation Profiler	Software as a medical device for annotating, variant classification, clinical interpretation and reporting from comprehensive genomic profile testing	CE 🗸 US²	2
Software	Sequencing	NAVIFY Therapy Matcher	Informing on treatment options based on local drug labels, medical guidelines and clinical trial outcomes	CE ✓ US ²	2
	Decision	NAVIFY Tumor Board V2	Integrating a GEHC DICOM imaging viewer into the Tumor Board to support the radiologist	WW •	
	Support	NAVIFY Oncology Workflow V1	Integration of patient's longitudinal history, diagnosis, and treatment planning by leveraging relevant guidelines	WW	
	Diabetes Care	Accu-Chek Sugar View 2.0 (non-ISO)	For non-insulin dependent T2 PwDs, allowing for meter-free blood glucose monitoring using Accu- Chek Active test strips and a smartphone camera	CE	

¹ CE: European Conformity, US: FDA approval, WW: Worldwide; GEHC DICOM: GE Healthcare Digital Imaging and Communications in Medicine; T2: Type II Diabetes; PwDs: People with Diabetes ² NAVIFY Mutation Profiler and Therapy Matcher received CE mark; US approval expected by end of 2019.



Finance

Alan Hippe Chief Financial Officer





HY 2019 results

Focus on Cash

Outlook

HY 2019: Highlights



Business

- Sales growth of +9%1 and Core operating profit up +11%1
- Core EPS growth +13%¹

Cash flow

- Operating Free Cash Flow of CHF 7.5bn, -9%¹ lower due to higher net working capital and higher investments in intangible assets
- Net debt lower by CHF 3.3bn vs. Jun 30th 2018; higher by CHF 2.7bn vs. Dec 31st 2018 due to dividend payments

Net financial results

• Net financial result decreased by -55%1 driven by lower income from Equity securities

IFRS

• Net income +19%¹ driven by business growth and lower income tax expenses



HY 2019: Group performance

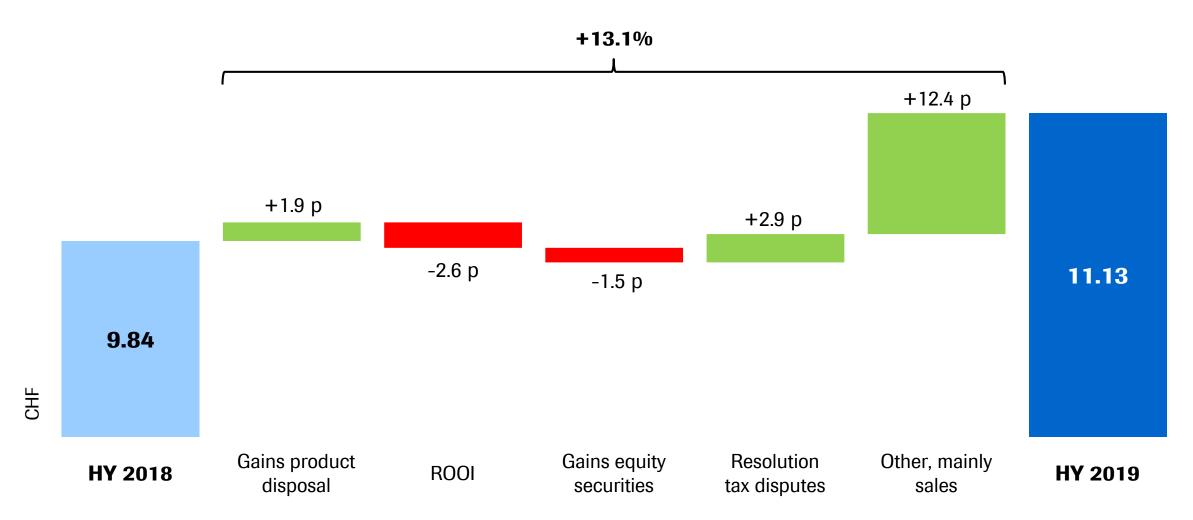
Core Operating profit up +11%; Core EPS growth of +13%

	HY 2019	HY 2018	Change	e in %
	CHFm	CHFm	CHF	CER
Sales	30,469	28,111	8	9
Core operating profit as % of sales	12,363 40.6	11,162 39.7	11	11
Core net income as % of sales	9,896 32.5	8,679 <i>30.9</i>	14	14
Core EPS (CHF)	11.12	9.84	13	13
IFRS net income	8,904	7,516	18	19
Operating free cash flow as % of sales	7,508 24.6	8,042 <i>28.6</i>	-7	-9
Free cash flow as % of sales	5,277 <i>17.3</i>	5,966 <i>21.2</i>	-12	-13

CER=Constant Exchange Rates 50

HY 2019: Core EPS development





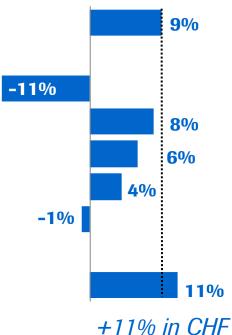


HY 2019: Group operating performance Core operating profit growth ahead of sales growth

HY 2019

Sales	30,469	2,385
Royalties & other op. inc.	1,282	-159
Cost of sales	-7,868	-591
M & D	-4,800	-250
R & D	-5,561	-200
G & A	-1,159	17
Core operating profit	12,363	1,202

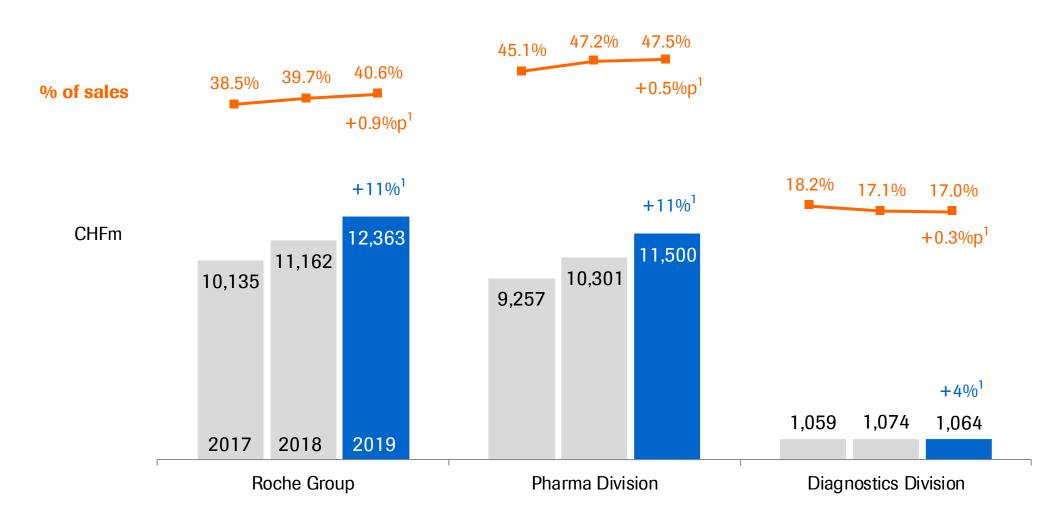




CER=Constant Exchange Rates 52



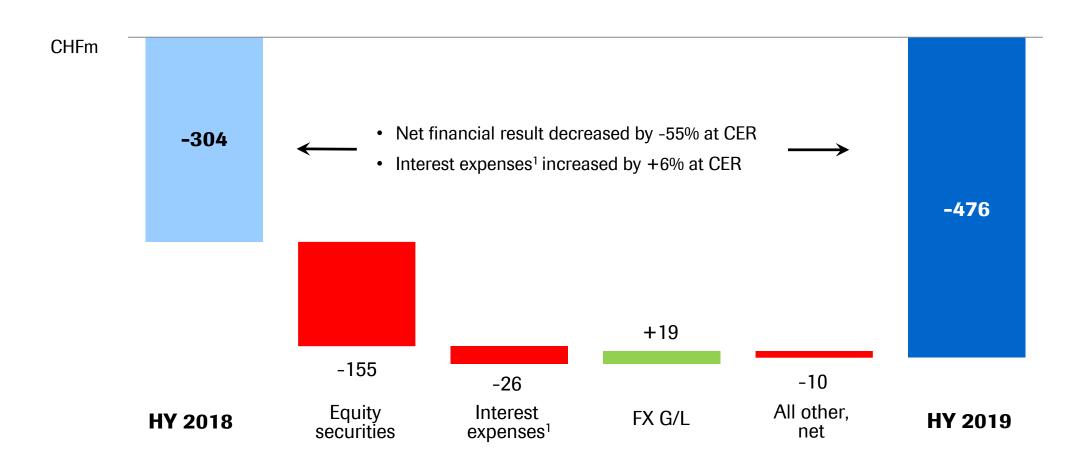




¹ At Constant Exchange Rates (CER)



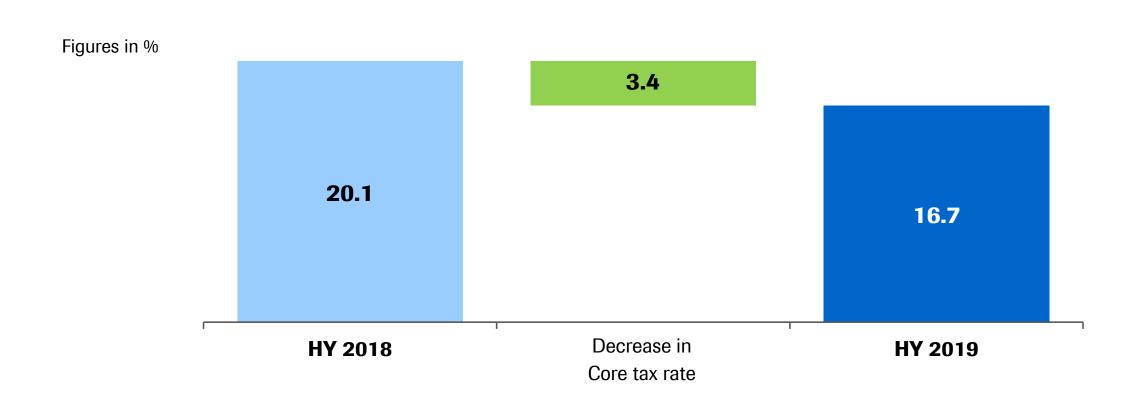
HY 2019: Core net financial result Decline due to lower income from Equity securities





HY 2019: Group Core tax rate

Decrease mainly due to the impacts from the resolution of tax disputes





HY 2019: Non-core items

Slight increase of total non-core operating items due to amortisation and impairment of IA and Global restructuring plans

	2018	2019		Chang	e in %
	CHFm	CHFm	CHFm	CHF	CER
Core operating profit	11,162	12,363	1,201	+11	+11
Global restructuring plans	-427	-477	-50		
Amortisation of intangible assets	-628	-737	-109		
Impairment of intangible assets ¹	-273	-324	-51		
M&A and alliance transactions	46	84	38		
Legal & Environmental	-68	-68	0		
Total non-core operating items	-1,350	-1,522	-172		
IFRS Operating profit	9,812	10,841	1,029	+10	+11
Total financial result & taxes	-2,296	-1,937	359		
IFRS net income	7,516	8,904	1,388	+18	+19



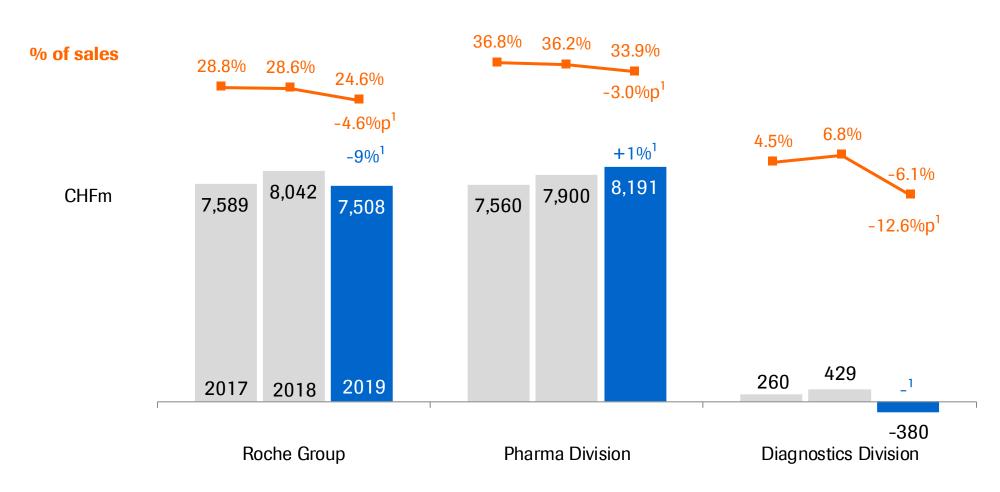
HY 2019 results

Focus on Cash

Outlook





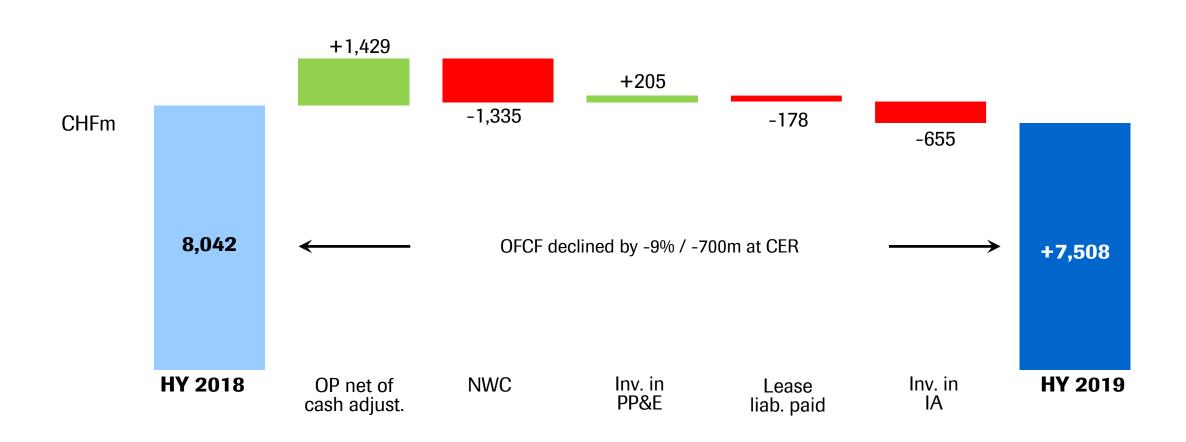


¹ At Constant Exchange Rates (CER) 58



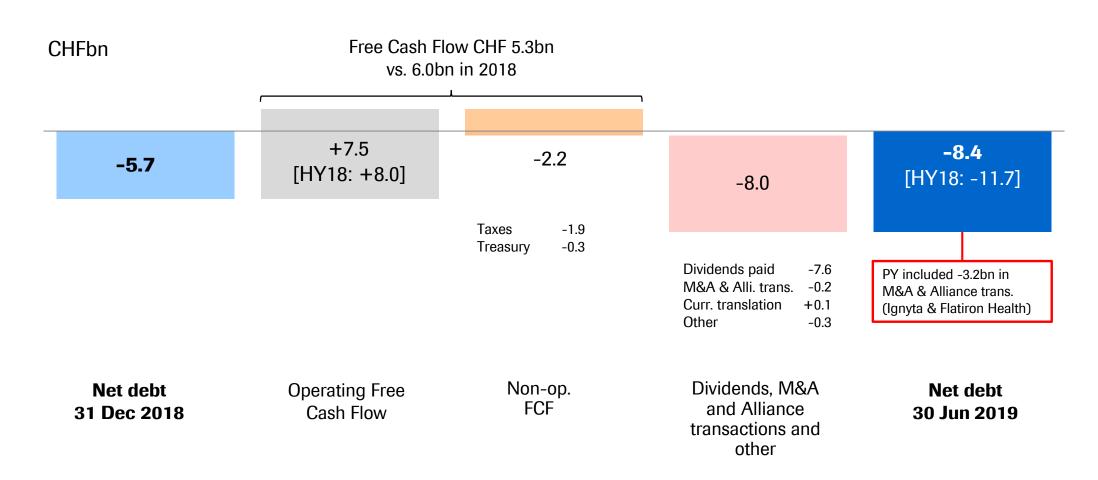


Lower than PY (-9%) driven by higher NWC and higher IA investments





HY 2019: Group net debt slightly up Driven by dividends paid



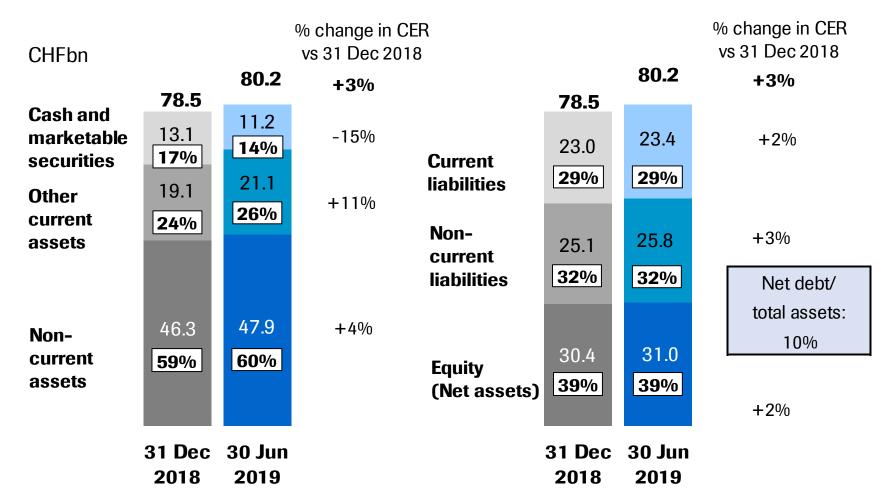
CER=Constant Exchange Rates

60

Balance sheet 30 June 2019

Roche

Equity ratio at 39% (30 Jun 2018: 39%; 31 Dec 2018: 39%)



CER=Constant Excha



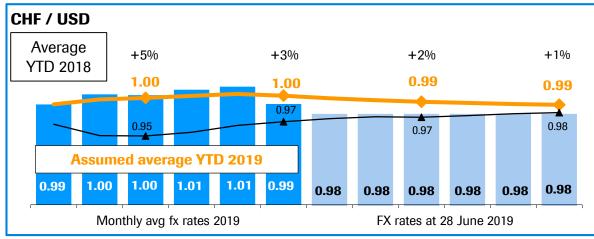
HY 2019 results

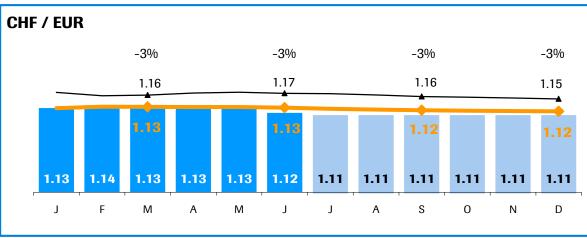
Focus on Cash

Outlook

Low currency impact expected in 2019







Assuming the 28 June 2019 exchange rates remain stable until end of 2019, 2019 impact¹ is expected to be (%p):

	Q1	HY	Sep YTD	FY
Sales	1	0	0	-1
Core operating profit		0		-1
Core EPS		0		-1

¹ On group growth rates 63

2019 outlook further raised



Sales growth to "mid- to high-single digit" from "mid-single digit"

Group sales growth¹

Mid- to high-single digit (from mid-single digit)

Core EPS growth¹

• Broadly in line with sales

Dividend outlook

Further increase dividend in Swiss francs

¹ At Constant Exchange Rates (CER)



1 NME:



New to phase I

3 NMEs:

RG7921 - wAMD

RG6244 - asthma **RG6179** - DME

2 Als:

RG7440 ipatasertib + rucaparib - mCRPC, solid tumors

RG7601 Venclexta + AMG176 - AML

New to phase II

IONIS ASO factor B - geographic atrophy

1NME transitioned from Ph1:

RG6147 - geographic atrophy

Removed from phase I

1 NME:

RG6174 - inflammatory diseases

1 AI:

RG7446 Tecentriq + radium 223 - mCRPC

Removed from phase II

2 Als:

RG7421 Cotellic + Tecentriq - 1L BRAF WT melanoma

Removed from phase III

New to phase III

RG7446 Tecentriq + enzalutamide - mCRPC

New to registration

Removed from registration

Roche Group development pipeline



Phase I (41 NMEs + 2	O AI	s)
----------------------	------	----

RG6026	CD20 x CD3 / combos	heme tumors	RG7769	PD1-TIM3 biMAb	solid tumors
RG6107	crovalimab (C5 inh MAb)	PNH	RG7802	cibisatamab ± T	solid tumors
RG6109	-	AML	RG7827	FAP-4-1BBL FP	solid tumors
RG6114	mPI3K alpha inh	HR+ BC	RG7828	mosunetuzumab / combos	heme tumors
RG6123	-	solid tumors	RG7876	selicrelumab + Avastin	solid tumors
RG6146	BET inh combos	solid & heme tumors	CHU	Raf/MEK dual inh	solid tumors
RG6148	-	HER2 expressing BC	CHU	glypican-3 x CD3	solid tumors
RG6160	-	multiple myeloma	CHU	codrituzumab	HCC
RG6171	SERD (3)	ER+ (HER2-) mBC	RG6151	-	asthma
RG6180	iNeST*± T	solid tumors	RG6173	-	asthma
RG6185	pan-RAF inh + Cotellic	solid tumors	RG6244	-	asthma
RG6194	HER2 x CD3	ВС	RG7835	-	autoimmune diseases
RG7159	anti-CD20 combos	heme tumors	RG7880	IL-22Fc	inflammatory diseases
	Cotellic + Zelboraf + T	melanoma	RG6004	HBV LNA	HBV
RG7421	Cotellic + T	2L BRAF WT mM	RG6084	-	HBV
	Cotellic + T RCC, b	ladder, head & neck ca	RG6217	-	HBV
RG7440	ipatasertib + Taxane + T	TNBC	RG7854	TLR7 agonist (3)	HBV
NG/440	ipatasertib + rucaparib	mCRPC, solid tumors	RG7861	anti-S. aureus TAC	infectious diseases
	Tecentriq (T)	solid tumors	RG7907	HBV CpAM (2) (Capsid)	HBV
	T-based Morpheus platform	solid tumors	RG7992	FGFR1/KLB MAb	metabolic diseases
	T + Avastin + Cotellic	2/3L CRC	RG6000	-	ALS
RG7446	T ± Avastin ± chemo	HCC, GC, PaC	RG6237	-	neuromuscular disorders
1107440	T + Tarceva/Alecensa	NSCLC	RG7816	GABA Aa5 PAM	autism
	T + anti-CD20 combos	heme tumors	RG6179	-	DME
	T + K/HP	HER2+ BC	RG7774	-	retinal disease
	T + rucaparib	ovarian ca	RG7921	-	wAMD
RG7461	FAP IL2v FP combos	solid tumors	CHU	PTH1 recep. ago	hypoparathyroidism
	Venclexta + idasanutlin	AML	CHU	-	hyperphosphatemia
	Venclexta + AMG176	AML	CHU	-	endometriosis
RG7601	Venclexta ± azacitidine	r/r MDS	DO N. D. I. (2)	. I NOV N	
	Venclexta + gilteritinib	r/r AML	RG-No - Roche/Gen	entech NOV- Novimmune mar	naged
	Venclexta + Cotellic + T	MM	CHU- Chugai manag	ed *Individualized NeoAnt	igen Specific Immunotherapy

Phase II (15 NMEs + 10 Als)

RG6180	iNeST* + pembrolizumab	malignant melanoma
RG6058	tiragolumab ± T	NSCLC
DO7000	idasanutlin	polycythemia vera
RG7388	idasanutlin	AML fit 1L
RG7421	Cotellic + Tecentriq ± taxan	e TNBC
RG7440	ipatasertib	TNBC neoadj
RG7446	Tecentriq	SC NSCLC
RG7596	Polivy (polatuzumab vedotin) r/r FL
	Venclexta + Rituxan	DLBCL
RG7601	Venclexta + azacitidine	1L MDS
	Venclexta + fulvestrant	2L HR+BC
RG6149	ST2 MAb	asthma
RG7159	Gazyva	lupus
RG7625	petesicatib	autoimmune diseases
RG7845	fenebrutinib	RA, lupus, CSU
CHU	nemolizumab# p	ruritus in dialysis patients
NOV	TLR4 MAb	autoimmune diseases
RG1662	basmisanil	CIAS
RG6100	Tau MAb	Alzheimer's
RG7412	crenezumab famili	al Alzheimer's healthy pts
RG7916	risdiplam [§]	SMA
RG7906	-	psychiatric disorders
RG7935	prasinezumab	Parkinson's
RG6147	-	geographic atrophy
IONIS	ASO factor B	geographic atrophy

NMEs Additional Indication (AI) Oncology / Hematology Immunology Infectious Diseases

CardioMetabolism Neuroscience Ophthalmology Other

§ Ph2 pivotal

out-licensed to Galderma and Maruho AD

T=Tecentriq

Roche Group development pipeline



Phase III (11 NMEs + 32 Als)

RG3502	Kadcyla + Perjeta	HER2+ eBC
RG6264	Perjeta + Herceptin FDC SC	HER2+ BC
RG7388	idasanutlin + chemo	AML
NG/300		
RG7440	ipatasertib + abiraterone	1L CRPC
	ipatasertib + chemo	1L TNBC/HR+ BC
RG7421	Cotellic + Zelboraf + T	1L BRAFm melanoma
RG7596	Polivy (polatuzumab vedotin)	1L DLBCL
	Tecentriq	NSCLC adj
	Tecentriq	MIBC adj
	Tecentriq	NMIBC, high risk
	Tecentriq Dx+	1L sq + non-sq NSCLC
	Tecentriq	RCC adj
	T + chemo + Avastin	1L ovarian cancer
	T + pemetrexed	1L non-sq NSCLC
	T + nab-paclitaxel	1L sq NSCLC
RG7446	T ± chemo	SCCHN adj
	Tecentriq	HER2+ BC neoadj
	T + paclitaxel	1L TNBC
	T + capecitabine or carbo/gem	1L TNBC
	T + paclitaxel	TNBC adj
	T + nab-paclitaxel	TNBC neoadj
	T + Avastin	1L HCC
	T + Avastin	1L RCC
	T ± chemo	1L mUC

RG7446/RG7853/R G6268	Tecentriq or Alecensa or entrectinib	1LNSCLC Dx+
	Venclexta + bortezomib	MM
RG7601	Venclexta	r/r MM t(11:14)
	Venclexta + HMA	1L AML
RG7853	Alecensa	NSCLC adj
RG3648	Xolair	nasal polyps
RG7413	etrolizumab	ulcerative colitis
KG/413	etrolizumab	Crohn's
	Xofluza influenza	a, hospitalized pts
RG6152	Xofluza in	fluenza, pediatric
	Xofluza influenza post exp	osure prophylaxis
RG1450	gantenerumab	Alzheimer's
RG6042	HTT ASO	Huntington's
RG6168	satralizumab	NMOSD
RG6206	anti-myostatin adnectin	DMD
RG7314	balovaptan	autism
RG6321	port delivery system with ranibizuma	b wAMD
RG7716	faricimab	DME
KG//10	faricimab	wAMD

Registration (3 NMEs + 7 Als)

Kadcyla ¹	HER2+ eBC		
Rozlytrek (entrectinib)	NSCLC ROS1+		
Rozlytrek (entrectinib)	NTRK1 tumor agnostic		
T + nab-paclitaxel	1L non-sq NSCLC		
T + nab-paclitaxel 1	1L TNBC		
T + chemo 1	1L extensive stage SCLC		
Polivy (polatuzumab vedotin) ¹	r/r DLBCL		
Venclexta + Gazyva ¹	1L CLL		
Xofluza ¹	influenza		
Xofluza ²	influenza, high risk		
	Rozlytrek (entrectinib) Rozlytrek (entrectinib) T + nab-paclitaxel T + nab-paclitaxel T + chemo 1 Polivy (polatuzumab vedotin)1 Venclexta + Gazyva 1 Xofluza 1		





¹ Approved in US

² Filed in US

Roche

NME submissions and their additional indications Projects currently in phase II and III

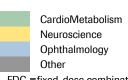
RG7916	risdiplam SMA	RG7413	etrolizumab ulcerative colitis					RG6152	Xofluza influenza, hospitalized pts		
RG6168	satralizumab NMOSD	RG6152	Xofluza influenza, pediatric			RG6058	tiragolumab + Tecentriq NSCLC	RG6042	HTT ASO Huntington's	RG7716	faricimab DME
RG6152	Xofluza (EU) influenza	RG6206	anti-myostatin adnectin DMD			RG6180	i NeST* oncology	RG1450	gantenerumab Alzheimer's	RG7716	faricimab wAMD
RG6152	Xofluza (EU) influenza, high risk	RG6264	Perjeta + Herceptin FDC SC HER2+ BC			RG7388	idasanutlin AML fit 1L	RG1662	basmisanil CIAS	RG6149	ST2 Mab asthma
RG6152	Xofluza influenza post-exposure prophylaxis	RG7388	idasanutlin + chemo AML			RG7388	idasanutlin polycythemia vera	RG6100	Tau MAb Alzheimer's	RG7413	etrolizumab Crohn's
RG6268	Rozlytrek (entrectinib) (EU) √ NSCLC ROS1+	RG7440	ipatasertib + abiraterone 1L CRPC	RG6321	Port Delivery System with ranibizumab WAMD	RG7440	ipatasertib TNBC neoadj	RG7314	balovaptan autism	RG7625	petesicatib autoimmune diseases
RG6268	Rozlytrek (entrectinib) (EU) √ NTRK1 tumor agnostic	RG7440	ipatasertib +chemo 1L TNBC / HR+ BC	RG7596	Polivy (polatuzumab vedotin) 1L DLBCL	RG7596	Polivy (polatuzumab vedotin) r/r FL	RG7935	prasinezumab Parkinson's	RG7845	fenebrutinib autoimmune diseases

2021

✓ Indicates submission to health authorities has occurred Unless stated otherwise submissions are planned to occur in US and EU

2020





2022 and beyond

2019

FDC =fixed-dose combination

^{*}Individualized NeoAntigen Specific Immunotherapy

Al submissions for existing products Projects currently in phase II and III



		RG3502	Kadcyla + Perjeta HER2+ eBC						
		RG7421	Cotellic + Tecentriq + Zelboraf 1L BRAFmut melanoma			RG7446	Tecentriq SC NSCLC		
		RG7446	Tecentriq + nab-paclitaxel TNBC neoadj			RG7446	Tecentriq NSCLC adj	RG7159	Gazyva lupus nephritis
RG3648	Xolair nasal polyps	RG7446	Tecentriq + pemetrexed 1L non-sq NSCLC			RG7446	Tecentriq HER2+ BC neoadj	RG7421	Cotellic + Tecentriq ± taxane TNBC
RG3502	Kadcyla√ HER2+ eBC	RG7446	Tecentriq + Avastin 1L RCC			RG7446	Tecentriq + paclitaxel TNBC adj	RG7601	Venclexta r/r MM t(11:14)
RG7446	Tecentriq + Avastin 1L HCC	RG7446	Tecentriq + paclitaxel 1L TNBC			RG7446	Tecentriq High risk NMIBC	RG7601	Venclexta + Rituxan DLBCL
RG7446	Tecentriq 1L non-sq + sq NSCLC Dx+	RG7446	Tecentriq MIBC adj			RG7446	Tecentriq RCC adj	RG7601	Venclexta + azacitidine 1L MDS
RG7446	Tecentriq + nab-paclitaxel 1L sq NSCLC	RG7446	Tecentriq ± chemo 1L mUC	RG7601	Venclexta + HMA 1L AML	RG7446	Tecentriq + chemo SCCHN adj	RG7601	Venclexta + fulvestrant 2L HR+BC
RG7601	Venclexta + Gazyva √ 1L CLL	RG7446	Tecentriq + chemo + Avastin 1L ovarian cancer	RG7446/ RG7853/ RG6268	Tecentriq or Alecensa or entrectinib 1L NSCLC Dx+	RG7446	Tecentriq + capecitabine or carbo/gem TNBC	RG7853	Alecensa NSCLC adj
	2019	2020			2021	>	2022 aı	nd beyo	nd

✓ Indicates submission to health authorities has occurred Unless stated otherwise submissions are planned to occur in US and EU

New Molecular Entity (NME)
Additional Indication (Al)
Oncology / Hematology

Immunology
Infectious Diseases
CardioMetabolism

Neuroscience Ophthalmology Other

Cancer immunotherapy pipeline overview



Phase I (11 NMEs + 21 Als)

RG6026	CD20 x CD3 / combos	heme tumors
RG6123	-	solid tumors
RG6160	-	multiple myeloma
RG6180	iNeST* ± T	solid tumors
RG6194	HER2 x CD3	ВС
	Cotellic + Zelboraf + T	melanoma
RG7421	Cotellic + T	2L BRAF WT mM
	Cotellic + T RCC, bla	ndder, head & neck ca
RG7440	ipatasertib + Taxane + T	TNBC
	Tecentriq (T)	solid tumors
	T-based Morpheus platform	solid tumors
	T + Avastin + Cotellic	2/3L CRC
RG7446	T ± Avastin ± chem	HCC, GC, PaC
NG/440	T + Tarceva/Alecensa	NSCLC
	T + anti-CD20 combos	heme tumors
	T + K/HP	HER2+ BC
	T + rucaparib	ovarian ca
RG7461	FAP IL2v FP combos	solid tumors
RG7601	Venclexta + Cotellic + T	MM
RG7769	PD1-TIM3 biMAb	solid tumors
RG7802	cibisatamab ± T	solid tumors
RG7827	FAP-4-1BBL FP	solid tumors
RG7828	mosunetuzumab / combos	heme tumors
RG7876	selicrelumab + Avastin	solid tumors
CHU	glypican-3 x CD3	solid tumors

AMGN**	Tecentriq + talimogene laherp	TNBC, CRO
BLRX**	Tecentriq + BL-8040	AML, solid tumors
CRVS**	Tecentriq + CPI-444	solid tumors
EXEL**	Tecentriq + cabozantinib	solid tumors
HALO**	Tecentriq + PEGPH20	CCC, GBC
INO**	Tecentriq + INO5401+INO9012	bladder ca
KITE**	Tecentriq + KTE-C19	r/r DLBCl

MORPHEUS Platform - Phase lb/II (7 Als)

	T-based Morpheus	pancreatic cancer
	T-based Morpheus	gastric cancer
RG7446	T-based Morpheus	HR+ BC
NG/440	T-based Morpheus	NSCLC
	T-based Morpheus	2L TNBC
	T-based Morpheus	CRC
	T-based Morpheus	mUC

Phase II (2 NMEs + 5 Als)

RG6180	iNeST* + pembrolizumab	malignant melanoma
RG6058	tiragolumab ± T	NSCLC
RG7421	Cotellic + Tecentriq ± taxane	TNBC
RG7446	Tecentriq SC	NSCLC
Gradalis**	Tecentriq + Vigil	ovarian ca
GTHX**	Tecentriq + trilaciclib	SCLC
IMDZ**	Tecentriq + NY-ESO-1	soft tissue sarcoma

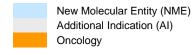
Phase III (20 Als)

DO7/01	O-1-11' 7-11 (- T	11 DDAE
RG7421	Cotellic+Zelboraf+T	1L BRAFm melanoma
	Tecentriq	NSCLC adj
	Tecentriq	MIBC adj
	Tecentriq	high risk NMIBC
RG7446	Tecentriq	NMIBC
	Tecentriq Dx+	1L sq + non-sq SCLC
	Tecentriq	RCC adj
	T + chemo+ Avastin	1L ovarian cancer
	T + pemetrexed	1L non-sq NSCLC
	T + nab-paclitaxel	1L sq NSCLC
NG/440	T ± chemo	SCCHN adj
	Tecentriq	HER2-pos. BC neoadj
	T + nab-paclitaxel 1L	TNBC
	T + capecitabine or carbo/gen	n 1L TNBC
	T + paclitaxel	TNBC adj
	T + nab-paclitaxel	TNBC neoadj
	T + Avastin	RCC
	T + Avastin	1L HCC
	T ± chemo	1L mUC
RG7446/RG7853/ RG6268	Tecentriq or Alecensa or entre	ctinib 1L NSCLC Dx+

Registration (3 Als)

	T + nab-paclitaxel	1L non-sq NSCLC
RG7446	T + chemo	1L extensive stage SCLC
	T + nab-paclitaxel	1L TNBC

^{**} External collaborations: AMGN – Amgen oncolytic virus; BLRX – BioLine Rx CXCR4 antag; CRVS – Corvus ADORA2A antag; EXEL – Exelexis' TKI; Gradalis – EATC therapy; GTHX – G1 Therapeutics CDK4/6; HALO – Halozyme PEGPH20; IMDZ – Immune Design CMB305; INO – Inovio T cell activating immunotherapy (INO-5401), IL-12 activator (INO-9012); JNJ – Janssen CD38 MAb; KITE – Kite KTE-C19



RG-No Roche/Genentech
*Individualized NeoAntigen Specific Immunotherapy
T=Tecentriq

Status as of July 25, 2019





	US		EU		China		Japan-Chugai	
RG7446	Tecentriq + nab-paclitaxel 1L non sq NSCLC Filed Nov 2018	RG7596	Polivy (polatuzumab vedotin) r/r DLBCL Filed Dec 2018	RG99	CellCept lupus nephritis Filed Aug 2018	RG7446	Tecentriq + nab-p 1L TNBC Filed Dec 20	
RG6268	Rozlytrek (entrectinib) NSCLC ROS1+ Filed Dec 2018	RG7446	Tecentriq + nab-paclitaxel 1L non sq NSCLC Filed Oct 2018	RG6264	Perjeta HER2+ eBC neoadj Filed Aug 2018	RG7446	Tecentriq + ch 1L extensive stage Filed Dec 20	SCLC
RG6268	Rozlytrek (entrectinib) NTRK+ solid tumors Filed Dec 2018	RG7446	Tecentriq + nab-paclitaxel 1L TNBC* Filed Sep.2018	RG105	MabThera CLL Filed Apr 2019	RG6268	Rozlytrek (entre NSCLC ROS ⁻ Filed Mar 20 ⁻	1+
RG6152	Xofluza Influenza, high risk pts Filed Dec. 2018	RG7446	Tecentriq + chemo 1L extensive stage SCLC Filed Sep. 2018	RG6264	Perjeta + Herceptin 1L HER2+ mBC Filed Dec 2018	RG7853	Alecensa r/r ALK+ AL0 Filed Jun 201	-
		RG6268	Rozlytrek (entrectinib) NSCLC ROS1+ Filed Jan 2019	RG405	Avastin 1L/2L gliobastoma Filed Jan 2019			
		RG6268	Rozlytrek (entrectinib) NTRK1 tumor agnostic Filed Jan 2019	RG3502	Kadcyla HER2+ eBC Filed Feb 2019			
	RG3502 RG7601		Kadcyla HER2+EBC Filed Feb 2019	RG7159	Gazyva 1L FL Filed Feb 2019		_	
			Venclexta+Gazyva 1L CLL Filed Jul 2019	RG7159	Gazyva r/r FL Filed Feb 2019	Addition	olecular Entity (NME) nal Indication (AI) gy / Hematology	CardioMetabolism Neuroscience Ophthalmology
	*CHMP positive opinion			RG105	MabThera FL Filed Apr 2019	Immuno		Other

Major granted approvals 2019



US		EU		China		Japan-Chugai		
RG597	Herceptin SC Hylecta Feb 2019	RG105	MabThera pemphigus vulgaris Mar 2019	RG1569	Herceptin BC neoadj Jan 2019	RG105	Rituxa CD20 + Mar 20	CLL
RG7446	Tecentriq + nab-paclitaxel 1L TNBC Mar 2019	RG6013	Hemlibra hemophilia A FVIII non-inh Mar 2019			RG6268	Rozlytrek (entrectinib) NTRK+ solid tumors June 2019	
RG7446	Tecentriq + chemo 1L extensive stage SCLC Mar 2019	RG6013	Hemlibra Q4W hemophilia A Mar 2019			RG1569	Actemra CRS Mar 2019	
RG7601	Venclexta + Gazyva 1L CLL May 2019	RG7446	Tecentriq + chemo + Avastin 1L non-sq NSCLC Mar 2019			RG1569	Actemra Adult Onset Still's disease Mar 2019	
RG3502	Kadcyla HER2+ eBC May 2019							
RG7596	Polivy (polatuzumab vedotin) r/r DLBCL June 2019							
						New M	New Molecular Entity (NME) CardioMetabo	
							Additional Indication (AI) Neuroscien	
							Oncology / Hematology Ophthalmolo	
						Immur		Other
						Infection	ous Diseases	



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