
Roche Pharma Day 2020

Late Stage Immunology, Ophthalmology and Infectious Disease

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Roche's response to the pandemic

Commitment every step of the way

Diagnostics

- Research & development for best-in-class solutions
- Deliver high quality diagnostics with flexible throughput
- Strong local support and partnership
- Holistic disease and patient-oriented approach

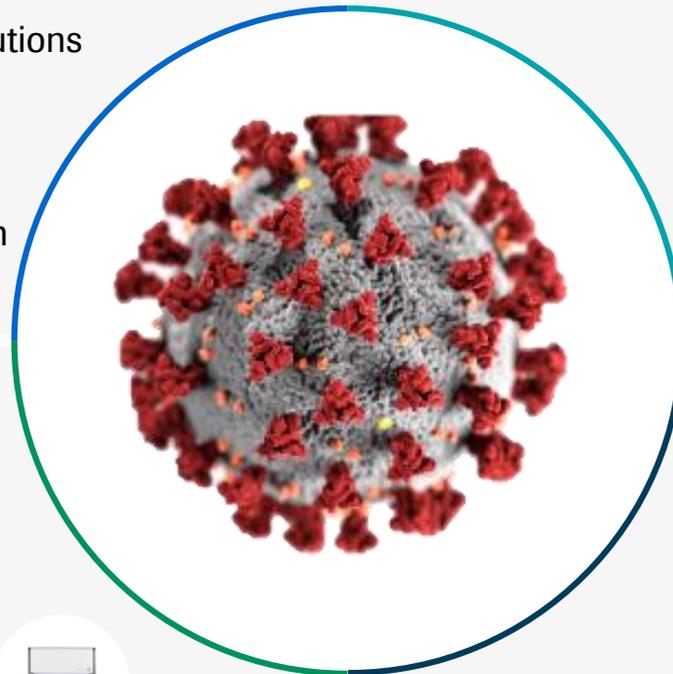
- SARS-CoV-2 PCR, Ab & rapid antigen test
- SARS-CoV-2/Influenza A/B differentiation test
- Other routine and diagnostic tests



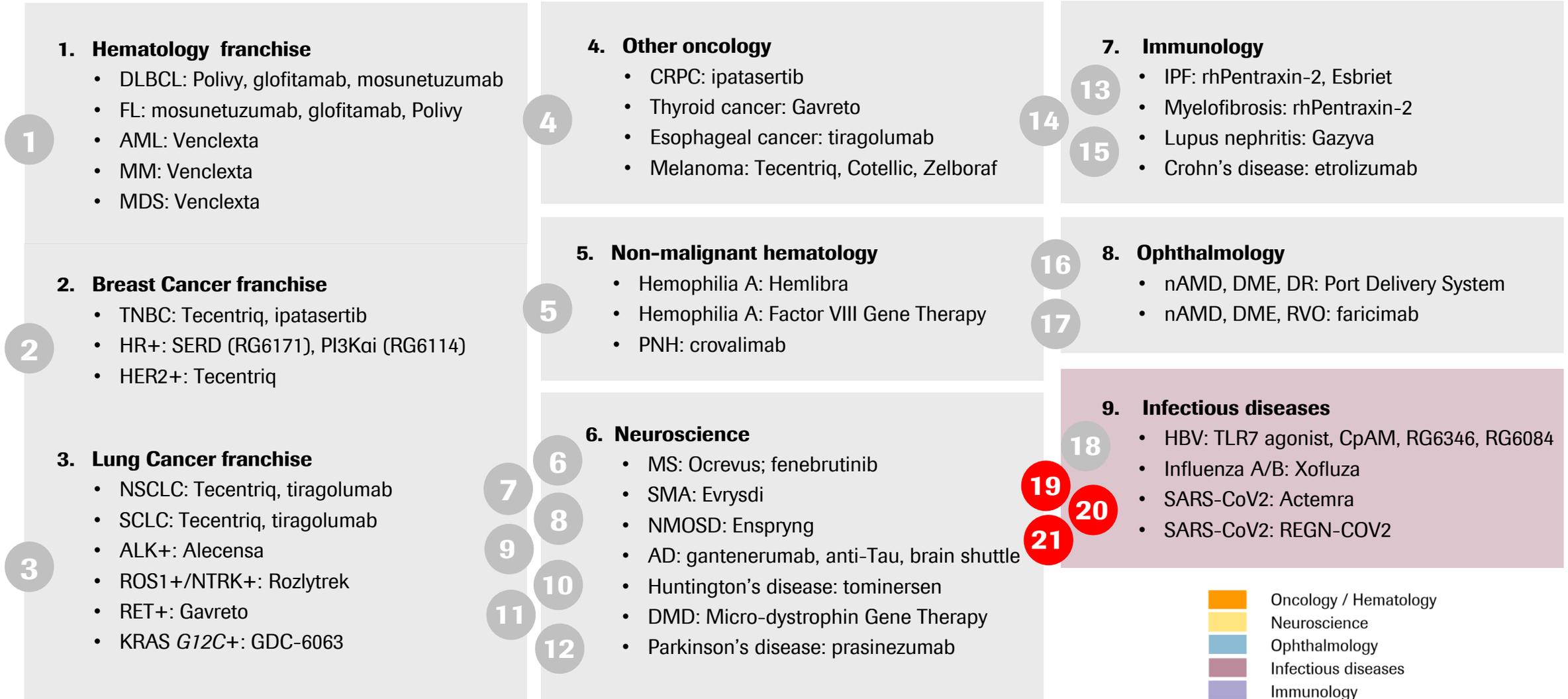
Pharma

- Innovative therapies with various MOAs
- World-leading biologics manufacturing capacity
- Strong partnerships with healthcare ecosystems across the globe

- Xofluza
- Actemra
- REGN-COV2 nAB cocktail



Late stage pipeline update



* For further information on target patient populations please consult the appendix; For further details on the late stage pipeline please consult the HY 20 results presentation appendix or visit the IR homepage

Xofluza in influenza A/B

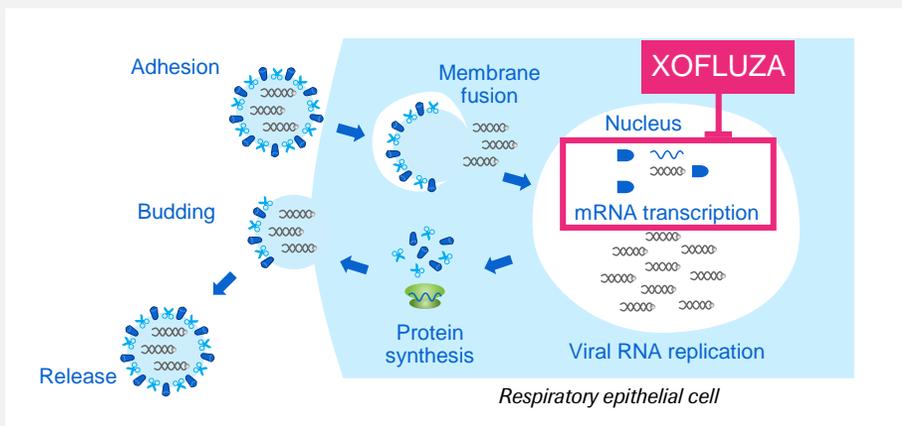
Ph III studies «prevention of transmission» and infants on-going

xofluza[™]
(baloxavir marboxil) tablets 80



FDA emergency use authorization

CAP dependent endonuclease inhibitor



- First-in-class small molecule inhibiting viral RNA replication; stops viral shedding + reduces viral load significantly faster than the current SOC
- Oral, single-dosing
- Safety similar to placebo
- Activity against Tamiflu-resistant and avian strains (H7N9, H5N1)

Ph III development



- Ph III (miniSTONE-1) for infants <1yr; results expected in 2022
- Ph III (CENTERSTONE) for prevention of influenza transmission; results expected 2022
- Xofluza approved for healthy people in 24 countries; Global filings for high-risk patients, pediatrics, post-exposure prophylaxis on-going
- FDA emergency use authorization for the cobas SARS-CoV-2 + Influenza A/B test with a single sample, obtained in Q3 2020

SARS-CoV-2 & Influenza A/B test for cobas 6800/8800



cobas[®] 6800
1,440 results in 24 hours



cobas[®] 8800
4,128 results in 24 hours

Actemra in severe COVID-19 associated pneumonia

Ph III COVACTA: Primary and key secondary endpoints not met

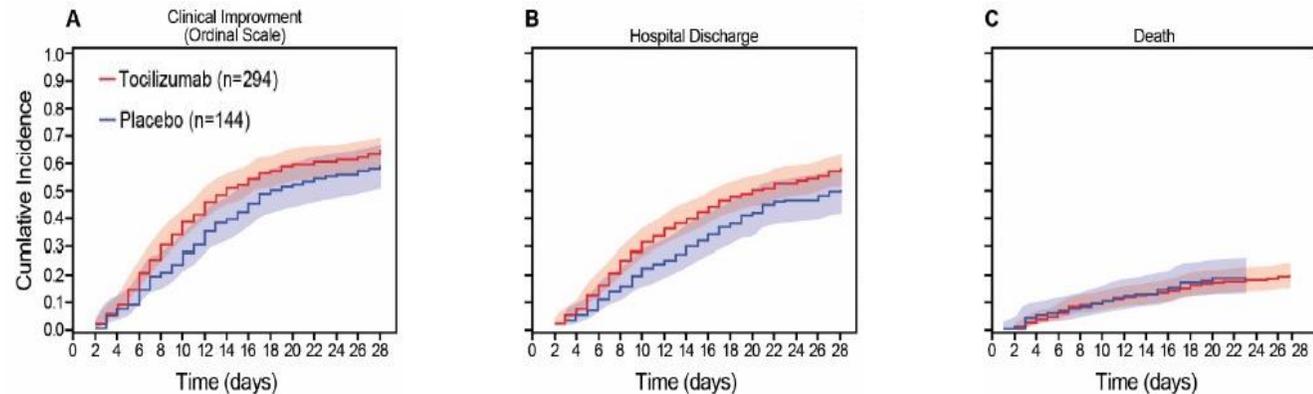
Anti-IL6 receptor mAb



- Initially approved in RA and GCA
- Approved for CAR T-cell-induced cytokine release syndrome
- Ph III program (REMDACTA, EMPACTA, MARIPOSA, J-COVACTA) in COVID-19 associated pneumonia on-going*

Ph III (COVACTA) in severe COVID-19 associated pneumonia¹

Key secondary endpoints



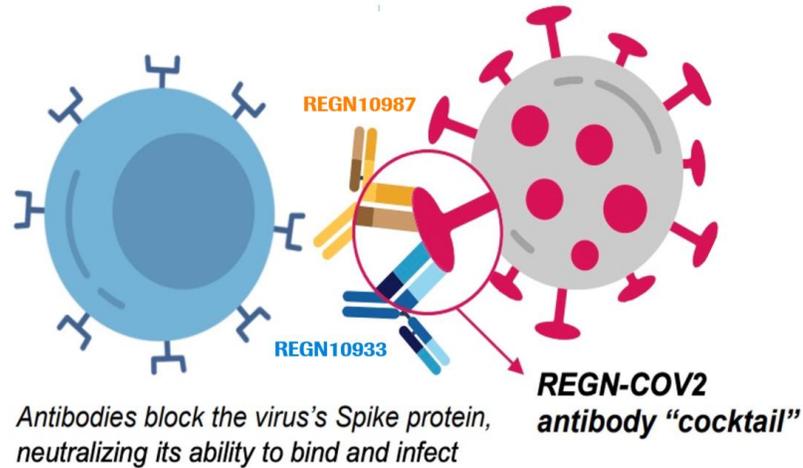
- Ph III (COVACTA) did not meet its primary endpoint of improved clinical status of patients or key secondary endpoint of reduced mortality at day 28
- Potentially clinically meaningful benefits in time to hospital discharge and duration of ICU stay
- Ph III (REMDACTA) results for Actemra + remdesivir expected in Q4 2020

¹ Rosas I, et al; submitted to NEJM Aug 2020; available on medRxiv Aug 2020; RA = rheumatoid arthritis; GCA=giant cell arteritis; CAR T=chimeric antigen receptor T-cell; ICU=intensive care unit; *Additional studies are ongoing and might expand the findings of COVACTA and address outstanding scientifically and medically relevant questions regarding the risk/benefit profile of tocilizumab in COVID-19 in more narrowly defined patient populations and in conjunction with current treatments

Neutralizing antibodies (nAbs) against SARS-CoV2

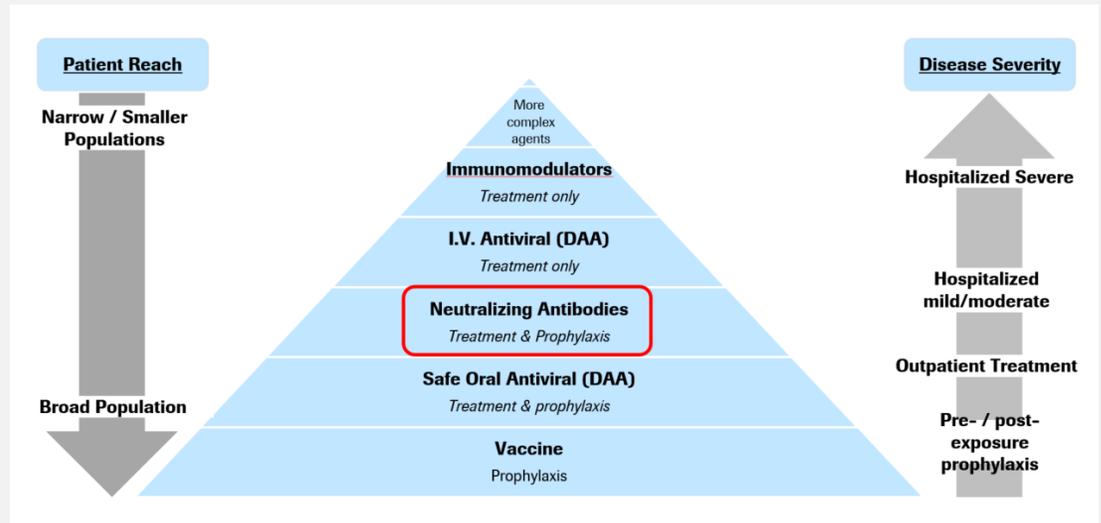
Promising for treatment and prophylaxis

REGN-COV2 (nAb cocktail)



- Two potent, virus-neutralizing Abs binding non-competitively to the critical receptor-binding domain of the virus's spike protein
- The virus would need to have multiple simultaneous mutations at multiple genetic sites in order to escape the nAb cocktail, which is an unlikely scenario*

nAb cocktails for treatment & prophylaxis



Currently enrolling trials:

- Ph II/III study in hospitalized COVID-19 patients
- Ph II/III study in non-hospitalized COVID-19 patients
- Ph I multidose study in adult volunteers (pre-exposure)
- Ph III prophylaxis of housemates of infected individuals **
- First results expected in September 2020

* A. Baum et al., Science 10.1126/science.abd0831 (2020); In collaboration with Regeneron; ** In collaboration with NIAID

Doing now what patients need next