

Forward-looking statements

Novo Nordisk's reports filed with or furnished to the US Securities and Exchange Commission (SEC), including this presentation as well as the company's statutory Annual Report 2018 and Form 20-F, which were both filed with the SEC in February 2019 in continuation of the publication of the Annual Report 2018, and written information released, or oral statements made, to the public in the future by or on behalf of Novo Nordisk, may contain forward-looking statements. Words such as 'believe', 'expect', 'may', 'will', 'plan', 'strategy', 'prospect', 'foresee', 'estimate', 'project', 'anticipate', 'can', 'intend', 'target' and other words and terms of similar meaning in connection with any discussion of future operating or financial performance identify forward-looking statements. Examples of such forward-looking statements include, but are not limited to:

- Statements of targets, plans, objectives or goals for future operations, including those related to Novo Nordisk's products, product research, product development, product introductions and product approvals as well as cooperation in relation thereto,
- Statements containing projections of or targets for revenues, costs, income (or loss), earnings per share, capital expenditures, dividends, capital structure, net financials and other financial measures.
- Statements regarding future economic performance, future actions and outcome of contingencies such as legal proceedings, and
- Statements regarding the assumptions underlying or relating to such statements.

These statements are based on current plans, estimates and projections. By their very nature, forward-looking statements involve inherent risks and uncertainties, both general and specific. Novo Nordisk cautions that a number of important factors, including those described in this presentation, could cause actual results to differ materially from those contemplated in any forward-looking statements.

Factors that may affect future results include, but are not limited to, global as well as local political and economic conditions, including interest rate and currency exchange rate fluctuations, delay or failure of projects related to research and/or development, unplanned loss of patents, interruptions of supplies and production, product recalls, unexpected contract breaches or terminations, government-mandated or market-driven price decreases for Novo Nordisk's products, introduction of competing products, reliance on information technology, Novo Nordisk's ability to successfully market current and new products, exposure to product liability and legal proceedings and investigations, changes in governmental laws and related interpretation thereof, including on reimbursement, intellectual property protection and regulatory controls on testing, approval, manufacturing and marketing, perceived or actual failure to adhere to ethical marketing practices, investments in and divestitures of domestic and foreign companies, unexpected growth in costs and expenses, failure to recruit and retain the right employees, and failure to maintain a culture of compliance.

For an overview of some, but not all, of the risks that could adversely affect Novo Nordisk's results or the accuracy of forward-looking statements in this presentation, reference is made to the overview of risk factors in 'Risk management enables better decision-making' on pp 41-43 in the Annual Report 2018.

Unless required by law, Novo Nordisk is under no duty and undertakes no obligation to update or revise any forward-looking statement after the distribution of this presentation, whether as a result of new information, future events or otherwise.

Important drug information

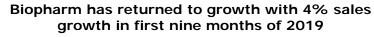
- Victoza[®] is approved for the management of type 2 diabetes only
- Saxenda[®] is approved in the USA and the EU for the treatment of obesity only

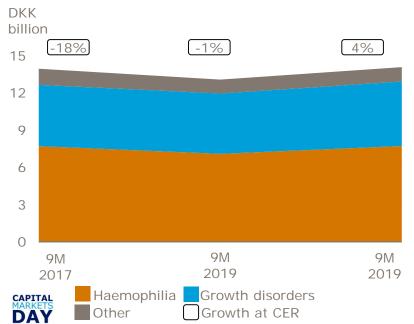
Note: All notes, sources and abbreviations for this presentation are found in the appendix.

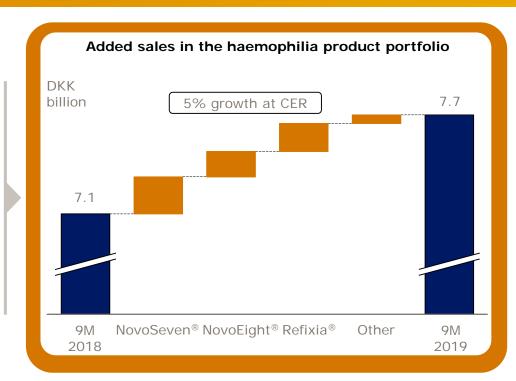




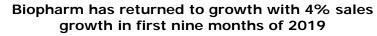
Solid commercial execution is driving 4% sales growth in first nine months of 2019

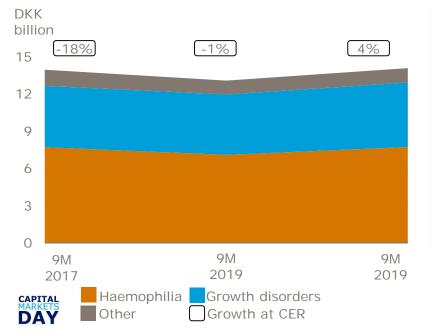


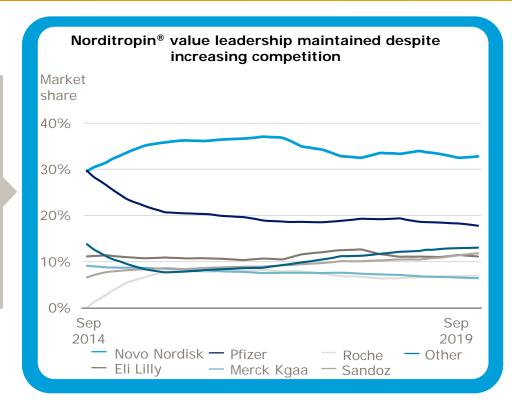




Solid commercial execution is driving 4% sales growth in first nine months of 2019

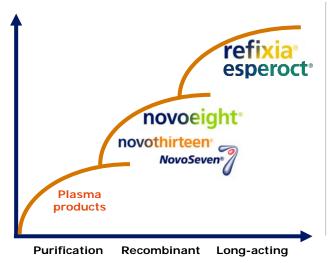






Current and future growth is supported by a genuine portfolio of products and devices with an intensive launch agenda

Well-positioned with a full haemophilia product portfolio



Evolution through product and device upgrades for GHD



Uninterrupted global launches and new indications

refixia 15 + 15

esperoct 2 + 25

norditropin Noonan syndrome, EU device upgrades



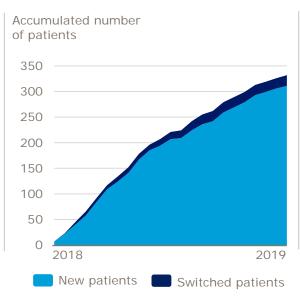


Biopharm exhibits the traditional features of a strong speciality care unit

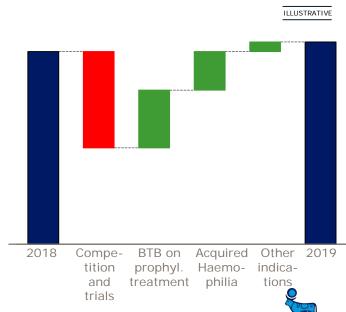
Biopharm ticks all speciality care boxes

- ✓ Focused health care professional base
- ✓ Skilled scientific medical sales force and commercial unit
- ✓ Deep scientific knowledge
- ✓ Robust life-cycle management

Identify new patients in rare diseases, such as Noonan syndrome in Japan

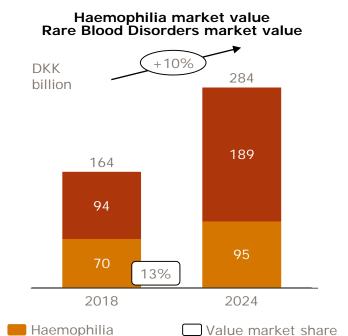


Leveraging a deep disease understanding with NovoSeven®



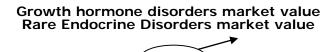


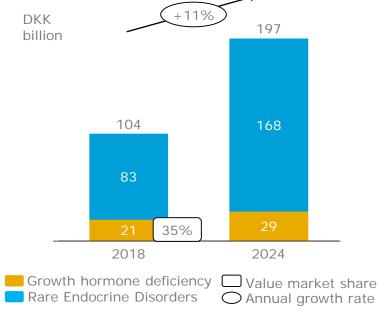
Biopharm has a strategic path forward in rare blood disorders and rare endocrine disorders



Annual growth rate

Rare Blood Disorders







Biopharm sustained growth outlook is supported by innovation and utilisation of core capabilities

Internal and external innovation to drive long-term growth



Bringing internal innovation to market by pipeline progression



Ensuring future growth by leveraging external innovation

Core capabilities within research and development to drive long-term growth



Exploring new technologies by utilising added research platforms

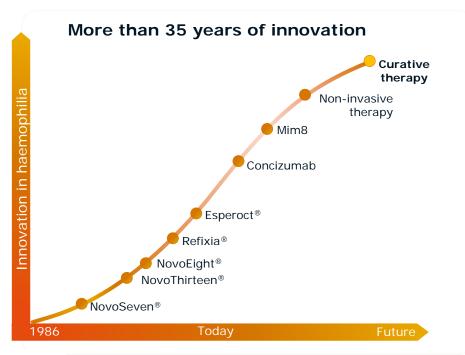


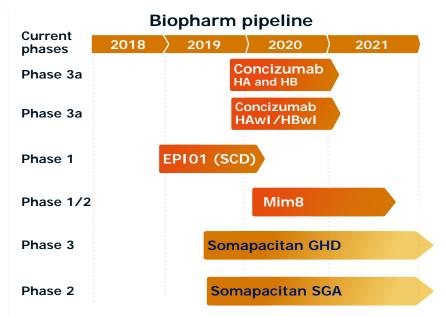
Leveraging deep biological understanding for future growth





Scientific excellence ensures an innovative and competitive pipeline with therapeutic solutions for severe conditions









antibody

First-in-class anti-TFPI boosting the initiation phase to restore

Delivered oncedaily in a convenient Flextouch® pen

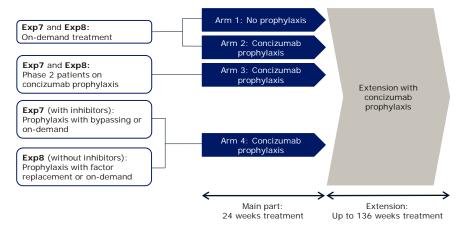
Safe and well-tolerated in phase 2 and efficacy comparable to factor replacement¹

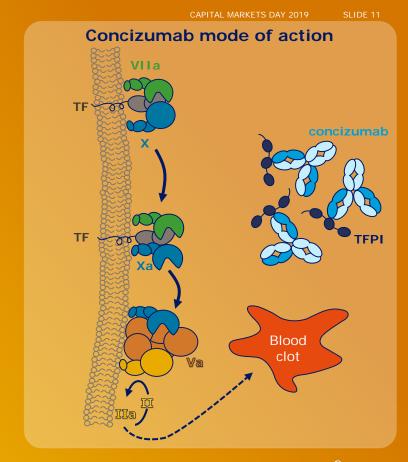




Phase 3 initiated with concizumab for HA, HB with and without inhibitors

Phase 3 trials with data expected first half of 2021

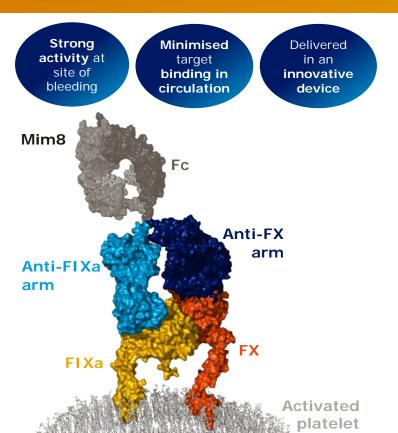


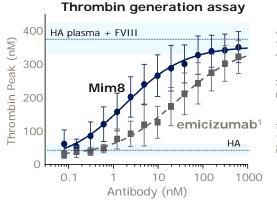


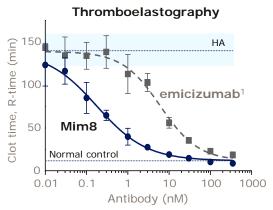




Next-generation FVIII mimetic, Mim8, is a bispecific antibody for subcutaneous prophylaxis treatment in people with haemophilia A









Mim8 potently stimulates FX activation resulting in efficacious haemostasis in vitro and in vivo



Mim8 effectively stops severe bleeds in mouse models



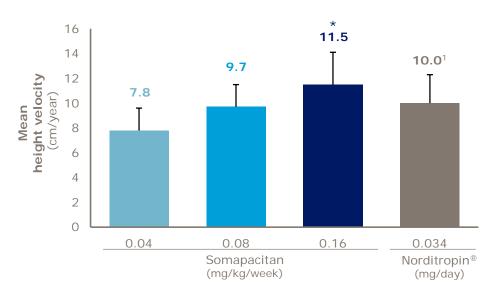
Phase 1/2 is expected to be initiated H1 2020

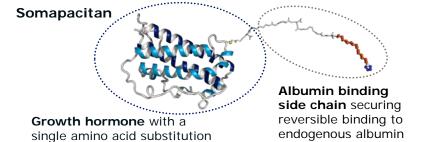


¹ Sequence-identical-analogue (SIA) of the FVIII-mimicking bispecific antibody emicizumab

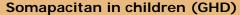
Once-weekly, biodegradable somapacitan has entered phase 3 for GHD and is filed with the US and EU regulators for AGHD indication

Phase 2 trial in GHD with 1-year efficacy and safety



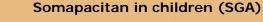


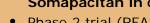
Next steps



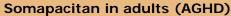


- Phase 3 trial (REAL 4) has been initiated
- Somapacitan dose 0.16 mg/kg/week





Phase 2 trial (REAL 5) has been initiated





- Has been submitted in the US and the FU
- Japan submission planned for first half of 2020

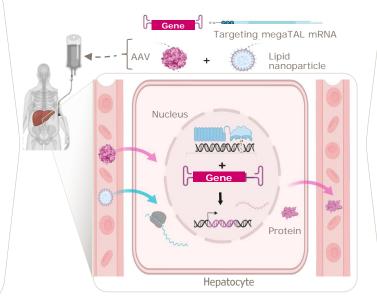


Novo Nordisk and bluebird bio join forces in next-generation genome editing for children and adult patients with haemophilia A

Potential curative treatment in haemophilia A



- mRNA-based megaTAL™-driven gene editing
- Highly specific and efficient way to silence, edit or insert genetic components.
- Allows for gene editing in all age groups



bluebird bio/Novo Nordisk's joint approach



- megaTAL™: Proprietary, patented technology, broad IP
- Correcting FVIII-clotting factor deficiency
- Potential **life long** effect
- Possibility to explore additional therapeutic targets





Closing remarks



Secure a sustained growth outlook for Biopharm by leveraging commercial competencies and ensure frequent launches



Strengthen and progress the Biopharm pipeline





Sources, notes and abbreviations - Biopharm

- Slide 3: Company reported sales; CER: Constant exchange rates
- Slide 4: Company reported sales, IQVIA, MAT value DKK, Sep 2019
- Slide 5: GHD: Growth hormone deficiency
- . Slide 6: Company numbers for patient count
- Slide 7: Market size is based on EvaluatePharma, 2018. Market share for haemophilia is based on company reported sales. Market share for GHD is IQVIA, MAT, DKK, Sep 2019.
- Slide 9: Hwl: Haemophilia A or B patients with inhibitors; SGA: small for gestational age; GHD: Growth hormone deficiency
- Slide 10: Source: Hilden I, et al. Blood 2012, 1 Shapiro et al. Blood 2019. II: factor II; lia: factor IIa; VIIa: factor VIIa; TF: tissue factor; TFPI: tissue factor pathway inhibitor; Va: factor Va; X: factor X; Xa: factor Xa; IgG4: immunoglobulin G4; Sc.: subcutaneous; HA: Haemophilia A; HB: Haemophilia B
- Slide 12: GHD: Growth hormone deficiency; AGHD: Adult growth hormone deficiency; SGA: Small for gestational age
- Slide 13: Data are mean height velocity (cm/year) ± SD at week (wk) 52. Doses are mg/kg/time. * Denotes statistical significance difference compared to once-daily Norditropin®. GHD: Growth hormone deficiency; AGHD: Adult-onset growth hormone deficiency. ¹ Value was 9.8 for the full analysis set. Value of 10.0 is from a post-hoc analysis that excluded 4 visits of one patient who discontinued prematurely at week 6



