orexo

Develops improved pharmaceuticals and digital therapies addressing unmet needs within the growing space of substance use disorders and mental health



Future of Healthcare - Redeye, Nov. 12 2020

Nasdaq Stockholm: ORX, US OTC Market: ORXOY (ADR)

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Orexo in brief

- Developed four commercial pharmaceutical products with worldwide approval
- Addresses unmet need within the growing space of substance use disorders (SUD) and mental health
- Broad product portfolio and development pipeline of traditional pharma products and digital therapies
- Strategic focus on portfolio expansion through development and licensing/M&A
- **Strong financial position** enables investment in future growth
- Top two largest shareholders¹: **Novo Holdings** (27.8%) and **HealthCap** (10.2%)



Corporate Headquarters
(Uppsala, Sweden)
Corporate functions and
Development



US Commercial platform

Since 2013 direct presence in the US with a fully-owned sales force covering nearly all states

Net revenues LTM² Q320

EBITDA LTM² Q320 Cash position Q320

SEK **742** m

SEK 104 m

SEK 593 m

² Last Twleve Months



¹ As of August 31, 2020

Ambitious route to build a broader and stronger Orexo

Orexo objectives

Profit and cash contributions from ZUBSOLV® enables continued investments

Broadening...

..the portfolio of commercial products to be promoted by our existing US organization in 2020

Maintaining...

..ZUBSOLV® profit contribution in 2020 and ensure it is sustainable and growing over time

Establishing...

..a new revenue generating business area within Digital Therapeutics (DTx) and launch first new product in 2020

Launching...

..a new pharmaceutical product from Orexo's development pipeline within the next two years



Digital therapeutics will become an integral part of the future healthcare landscape



- Almost all industries have been transformed or are under transformation by digitalization; healthcare is not an exception
- To meet increased demand from an aging population, health care delivery needs to be transformed to drive efficiency
- Digital therapeutics have the potential to significantly improve the efficiency and quality of multiple disease spaces and in particular within mental health
- Quality of digital therapeutics are improving and payors are starting to finance digital therapies along with traditional treatments

Physician consultation time is high in demand but limited in supply: Digital therapy is disrupting the service paradigm by providing 24/7 unlimited access to consultation.

Past: Physicians prescribed a "recipe" (Rx) that instructed pharmacists to mix certain ingredients for the patient. "Drug production" was a service performed by pharmacists.

Entrepreneurial pharmacists and smart chemical suppliers disrupted this service paradigm by offering standardised machine-produced products. This marked the birth of the pharmaceutical industry, making high quality drugs available to the mass market.

Today: Computer technology allows disrupting the next large service block in healthcare: Physician - patient interaction

GAIA is leading this transformation

Pharmaceutical industry

MSD

Service
Pharmacists
(today mainly
distribution)

Input

Digital therapy industry

Output

Products
developed by
digital disruptors

Physicians, therapies
(tomorrow mainly
managing functions)

GAIA

Input

Strong synergies with the current US commercial platform with a focus on opioid use disorder and treatment with ZUBSOLV® (bup/nal) and R&D pipeline

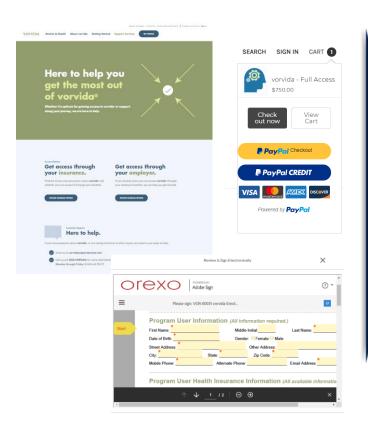


Our ambition is become a leader in digital therapeutics, leveraging our existing commercial infrastructure and new technical platforms to scale up

Enter DTx



Establish the platform



Expand presence and portfolio





Digital therapeutics is in its infancy - while the potential is significant, several hurdles need to be addressed before the market takes off

Commercialization

 Optimal pathways to commercialize and scale DTx are still unchartered

Pricing

• Entry barriers are low for offerings without clinical evidence, and thus payors need to establish appropriate assessment criteria to enable price differentiation

Reimbursement

 Many payors still to establish payment and reimbursement processes

Disruptive technology

 While digital therapies have been proven clinically, speed of adoption is still unknown as for any new therapeutic approach

Orexo will continue to assess the business model, the potential and the investment levels required to capture new opportunities at the appropriate time



With 3 digital therapies, Orexo is well positioned to take a leading role addressing unmet needs within SUD and mental health issues

deprexis®

deprexis® is a fully automated digital therapy to help patients manage their symptoms of mild to severe depression with extensive clinical evidence



vorvida®

A fully automated digital therapy scientifically proven to reduce troublesome drinking patterns in adults suffering from alcohol misuse incl. alcohol use disorder (AUD)



OXD01/modia™

"Digitizing" counselling at scale to offer with ZUBSOLV®, a full medication assisted therapy (MAT) solution for opioid use disorder (OUD) patients in need





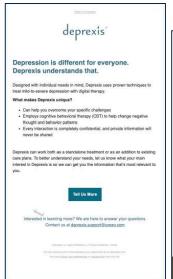
The scientific evidence for DTx is comprehensive e.g. deprexis® demonstrates consistent clinical effect across multiple settings

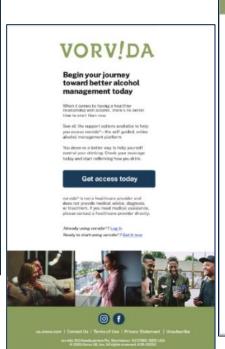
• Meta-analysis of 12 RCTs demonstrated the effectiveness of deprexis for reducing depressive symptoms with a moderate effect size (g = 0.51, 95% CI: 0.40–0.62) and low heterogeneity ($I^2 = 26$ %)

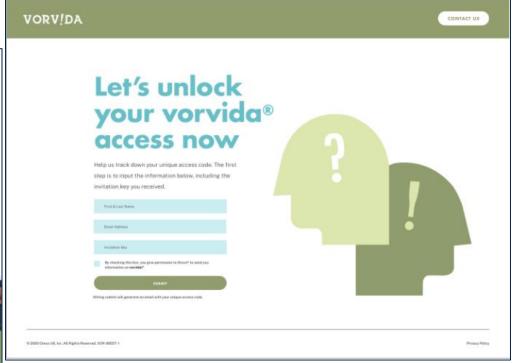
Study		Study Statistics		Sample Size							
	Hedge's g	LL	UL	<i>p</i> -value	Control	Deprexis					
Beevers (2016)	0.81	0.57	1.06	0.00	91	285	ı				
Berger (2011)	0.84	0.36	1.33	0.00	26	50					
Berger (2018)	0.46	0.02	0.90	0.04	47	51				_	
Bücker (2018)	0.51	-0.01	1.02	0.06	69	71					
Fischer (2015)	0.32	-0.09	0.74	0.12	45	45					
Fuhr (2018)	0.27	-0.47	1.00	0.48	13	14					
Klein (2016)	0.39	0.26	0.51	0.00	504	509			_		
Meyer (2009)	0.64	0.33	0.94	0.00	76	320					
Meyer (2015)	0.57	0.22	0.91	0.00	85	78				_	
Moritz (2012)	0.43	0.13	0.73	0.01	105	105				_	
Schröder (2014)	0.22	-0.30	0.73	0.41	40	38					
Zwerenz (2017)	0.47	0.20	0.74	0.00	110	109					
OVERALL	0.51	0.40	0.62	0.00	1108	1409					
								2.20	2.00 -1.00	-100	-100
							-2	.00	Favors control	.00 -1.00 0.00 Favors control	.00 -1.00 0.00 1.00 Favors control Favors deprexis



Patients suffering from mental illness are vulnerable – Orexo offers a range of services to ensure patient engagement and support











vorvida® patient services, available from September include specialty hub services for insurance reimbursement, customer service, e-commerce storefronts, and on-going customer relationship management tools. deprexis® equivalents will start going live in Q4



vorvida® video



Thank You