



CELLO
HEALTH
BioConsulting

Previously Defined Health

THE ROCK JUST BELOW THE WATER: MARKET ACCESS RISK AND EARLY-STAGE BIOTECHS

Edward C. Saltzman, Executive Chairman

December 14, 2018

Presented in Collaboration with Real Endpoints



Distinguished Panelists

Moderator:

Ed Saltzman
Executive Chairman
Cello Health BioConsulting
Previously Defined Health



www.cellohealthbioconsulting.com

Panelists:



Jeffrey Berkowitz
CEO and Director
Real EndPoints



Roger Longman
Chairman
Real EndPoints



Dennis Purcell
Founder and Senior Advisor
Aisling Capital

Cello Health BioConsulting is a Part of Cello Health

A worldwide team of more than 400 based in the US and UK

A UNIQUE FUSION OF EXPERTISE TO SOLVE PROBLEMS, REDUCE RISK AND UNLOCK THE FULL POTENTIAL OF ORGANIZATIONS, ASSETS AND BRANDS

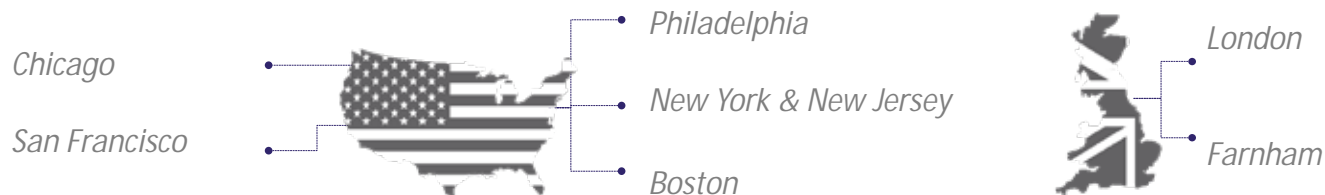
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Please join us for Cancer Progress 2019, and we hope to see you at these upcoming events!



30TH Annual Cancer Progress Conference
May 7 – 8, 2019
Convene at 32 Old Slip, NYC
www.cancerprogressbyDH.com



Meet with us in SFO during JPM week!

- ü Solebury Trout 1x1 Access – Jan. 5-10, 2019**
- ü The 2nd Annual Neuroscience Innovation Forum – Jan. 6, 2019**
- ü China Forum @ JPM Week – Jan. 6, 2019**
- ü BioTech Showcase – Jan 7-9, 2019**



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Access challenges are evolving faster than the capabilities to solve for them

Vertical and horizontal integration



Government focus on Rx Cost and Transparency



Energized employers, providers



Access-challenged, suboptimal launches



Blinded Target Product Profile

Product X	
Description	Topical therapy for treatment of a rare genetic debilitating dermatologic disorder Daily, self-application of the ointment for up to 8 weeks
Mechanism of action	Undisclosed target: <i>acts by inhibition of an inflammation pathway</i>
Study Design	Double-blind, placebo-controlled, multi-center, randomized study; Product X as add-on to SOC treatment (Product X vs. placebo as add-on therapy)
Patient Population	Patients aged 10+ years; all disease severities
Efficacy Endpoints	Primary Outcome: % of patients with >40% lesion count reduction versus placebo at 4 weeks, with 12 week and 4 month follow-up
	Secondary Outcomes: % of patients with lesion count return to baseline at 12 week and 4 month follow-up versus placebo
Safety	No serious local or systemic AEs reported No discontinuations due to AEs

What *should* be in a TPP? Among other elements...

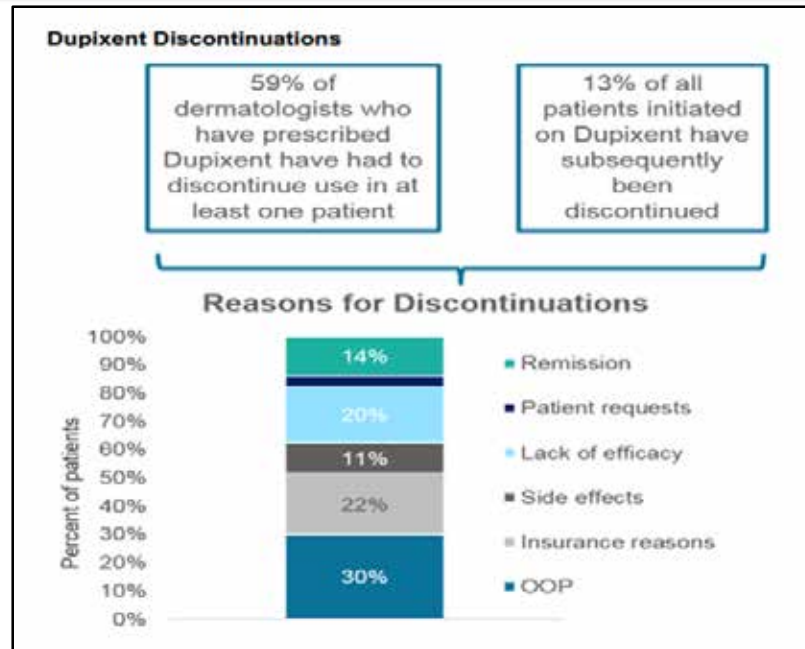
- † Unmet need from a payer's point of view (i.e., how many substitutable alternatives can be "step-edited" in front of candidate?)
- † Indication severity (where does it fall on continuum between fatal and cosmetic)?
- † Strength of evidence (trial comparator, structure)?
- † Duration of treatment (chronic, short-term)?
- † Medical benefit or pharmacy benefit?
- † Credibility and ease-of-access of metrics for value-based contracts?
- † Patient financial assistance program relative to competitors' programs?

Dupixent for Atopic Dermatitis and Asthma



Dupixent

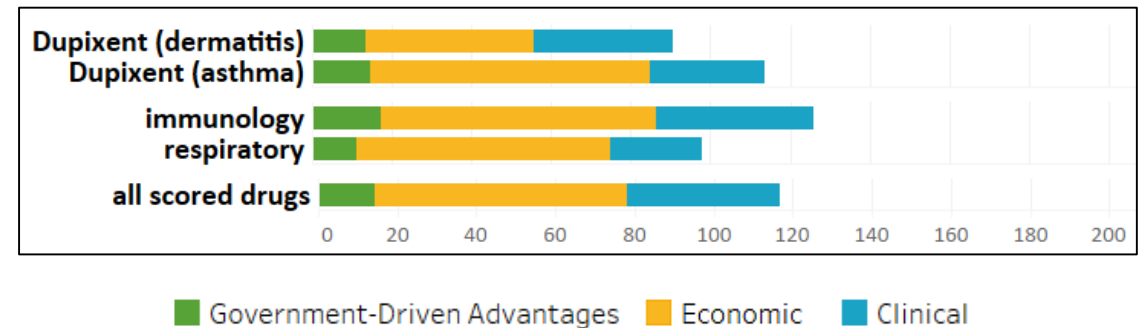
- Despite robust initial uptake, market access challenges remain for Dupixent, the first biologic approved for treatment of moderate/severe atopic dermatitis.
- Priced at \$37,000 per year/patient, insurance coverage and out-of-pocket cost represent the reasons for >50% of all discontinuations in atopic dermatitis.
- FDA recently approved its use for asthma. Dupixent received broader label than its biologic competitors (Fasenra, Cinqair and Nucala), but given its price is slightly higher than these 3 biologics, payers are likely restrict its use and enforce access hurdles.
- Dupixent needs a 50% to 68% discount off its list price to meet ICER's cost effectiveness threshold of \$150,000 per QALY.



Question: Of your Dupixent patients, how many have subsequently discontinued?

Source: Decision Resources Group; Indivior; Real Endpoints Access Meter

Dupixent Access Meter Scoring

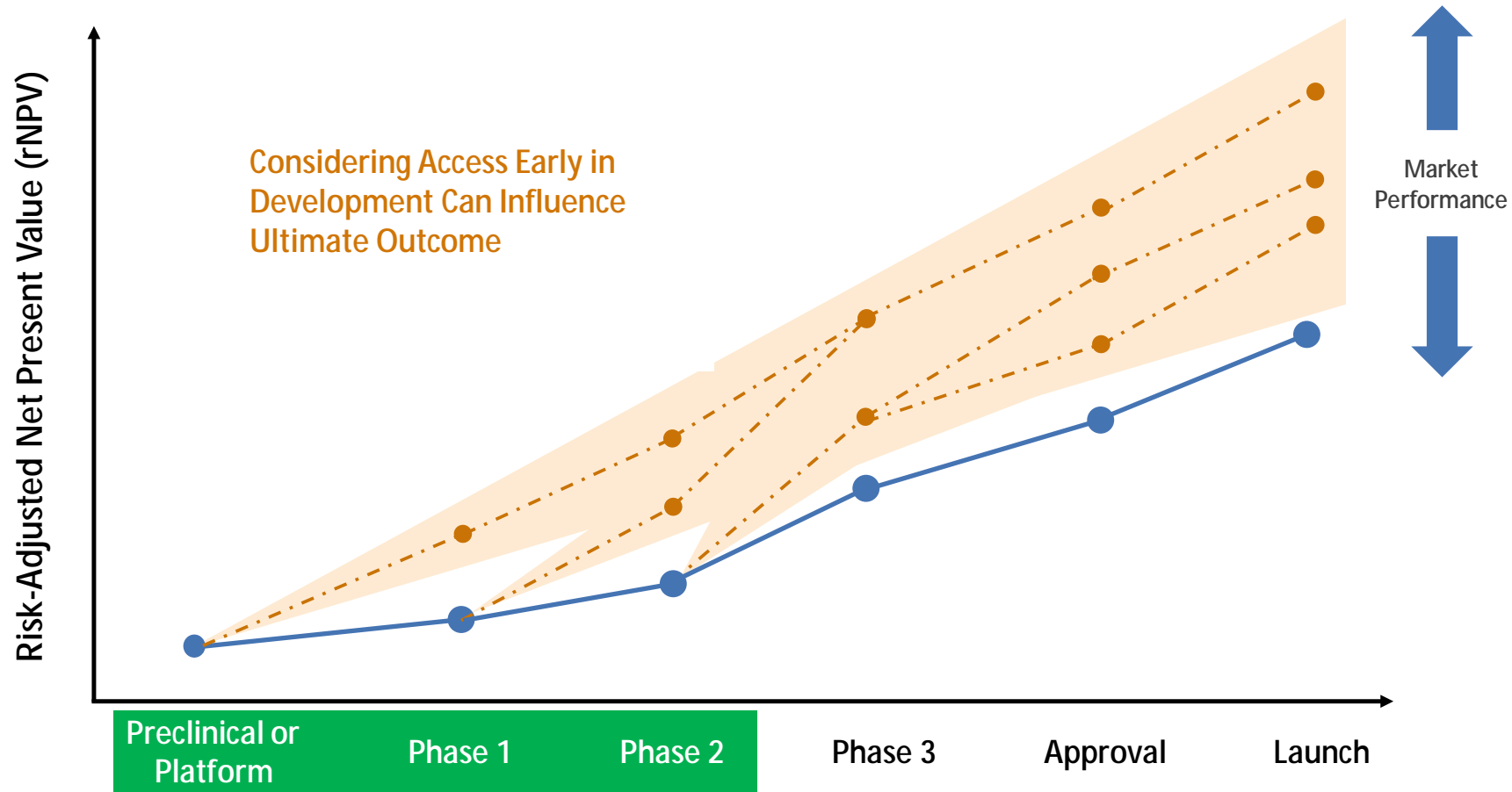


Company: Regeneron

Indication 1: Atopic dermatitis (approved 2017)

Indication 2: Asthma (approved October 2018)

Strategic Focus on Value Creation for Early-Stage Biotech



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Webinar Panelists

ROGER LONGMAN

CHAIRMAN

REAL ENDPOINTS

Mr. Longman has been involved with the health care industry for over 30 years and is recognized as an expert in biopharmaceutical strategy and reimbursement. Mr. Longman often speaks at key industry events organized by important trade organizations, investment banks, venture capital firms, and leading biopharma companies. His most recent focus has been on new value-based approaches to paying for drugs and diagnostics, harnessing tools and systems for objective, transparent analysis of drug value and economic impact. He is developing these initiatives in collaboration with major provider, payer, pharmaceutical and diagnostic companies, and patient organizations.

At his first venture, Windhover Information, he and his team created several industry-standard analytical sources, including IN VIVO and Start-Up, the strategic transactions database and a conference business.



JEFFREY BERKOWITZ

CEO AND DIRECTOR

REAL ENDPOINTS

Mr. Berkowitz is one of the rare top executives whose career has spanned most key verticals in global healthcare — with executive committee and other senior roles at United Health Group, Walgreens Boots Alliance (formerly Walgreens), Merck and Schering-Plough.

He joined RE from UnitedHealth Group/Optum where he led Optum's International division as CEO while also driving key strategic initiatives within Optum's pharmacy benefits management division. Previously, Mr. Berkowitz served as President of Pharma and Global Market Access at the Walgreens Boots Alliance. He joined Walgreens from Merck & Co., where, as SVP of global market access. Mr. Berkowitz had held a similar position at Schering-Plough, where he started as legal director for Schering-Plough's managed care and commercial group in 1998.



DENNIS PURCELL

FOUNDER AND SENIOR
ADVISOR

AISLING CAPITAL LLC

Dennis is founder and senior advisor at Aisling Capital. During his tenure, Dennis has been directly involved with over two hundred completed transactions and supervised over \$15 billion of financing and advisory assignments in the pharmaceutical, biotechnology and medical products industries. Dennis is a frequent commentator on the industry and has been honored in various publications as a top contributor to the Life Sciences industry. He sits on numerous private and public healthcare company boards. He is actively involved with many of the industry's professional organizations.

Mr. Purcell is a member of The University of Delaware Investment Committee, Harvard Kennedy School - M-R CBG Advisory Council, and the New York Leadership Council.

He received his M.B.A. from Harvard University and his B.S. in Accounting from the University of Delaware.

