Theravance Biopharma Ampreloxetine Investor Event

May 23, 2024

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Medicines That Make a Difference®

Welcome/Opening Remarks

Rick Winningham Chairman and Chief Executive Officer

Forward Looking Statements

This presentation contains certain "forward-looking" statements as that term is defined in the Private Securities Litigation Reform Act of 1995 regarding, among other things, statements relating to goals, plans, objectives, expectations and future events. Theravance Biopharma, Inc. (the "Company") intends such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 21E of the Securities Exchange Act of 1934, as amended, and the Private Securities Litigation Reform Act of 1995.

Examples of such statements include statements relating to: the Company's expectations regarding its future profitability, expenses and uses of cash; the Company's goals, designs, strategies, plans and objectives; future growth of YUPELRI sales; future royalty payments; the ability to provide value to shareholders; the Company's regulatory strategies and timing of clinical studies; safety, efficacy or differentiation of the Company's product candidates; the status of patent infringement litigation initiated by the Company and its partner against certain generic companies in federal district courts; contingent payments due to the Company from the sale of the Company's TRELEGY ELLIPTA royalty interests to Royalty Pharma; and expectations around the use of OHSA scores as endpoints for clinical trials. These statements are based on the current estimates and assumptions of the management of Theravance Biopharma as of the date of this press release and the conference call and are subject to risks, uncertainties, changes in circumstances, assumptions and other factors that may cause the actual results of Theravance Biopharma to be materially different from those reflected in the forward-looking statements. Important factors that could cause actual results to differ materially from those indicated by such forward-looking statements include, among others, risks related to: factors that could increase the Company's cash requirements or expenses beyond its expectations and any factors that could adversely affect its profitability; whether the milestone thresholds can be achieved; delays or differentiated; risks of decisions from regulatory autorities that are unfavorable to the Company's product candidates; risk associated with establishing and maintaining sales, marketing and distribution capabilities with appropriate technical expertise and supporting infrastructure; the ability of the Company to protect and to enforce its intellectual property rights; volatility and fluctuations in the trading price and volume of the C

Other risks affecting the Company are in the Company's Form 10-Q filed with the SEC on May 15, 2024, and other periodic reports filed with the SEC. In addition to the risks described above and in Theravance Biopharma's filings with the SEC, other unknown or unpredictable factors also could affect Theravance Biopharma's results. No forward-looking statements can be guaranteed, and actual results may differ materially from such statements. Given these uncertainties, you should not place undue reliance on these forward-looking statements. Theravance Biopharma assumes no obligation to update its forward-looking statements on account of new information, future events or otherwise, except as required by law.

Presenting KOL Disclosure

Drs. Biaggioni and Kaufmann are members of advisory committees supporting the CYPRESS clinical trial and paid consultants to Theravance Biopharma.

The views and opinions expressed by Drs. Biaggioni and Kaufmann are their own and do not necessarily reflect the views and opinions of Theravance Biopharma.

Agenda

10:00	Welcome / Opening Remarks	Rick Winningham: Chairman and Chief Executive Officer
10:10	Neurogenic Orthostatic Hypotension in Multiple System Atrophy	Dr. Horacio Kaufmann: Felicia B. Axelrod Professor of Dysautonomia Research, Department of Neurology at NYU Grossman School of Medicine
10:25	Ampreloxetine as a Targeted Therapy for nOH in MSA	Dr. Italo Biaggioni: Professor of Medicine and Pharmacology; Director, Vanderbilt Autonomic Dysfunction Center
10:35	Ampreloxetine: Discovery Through CYPRESS Design and Execution	Dr. Áine Miller: Senior Vice President, Head of Development
11:00	Opportunity Analysis	Rhonda Farnum: Senior Vice President, Chief Business Officer
11:10	Closing Remarks / Q&A	Rick Winningham / All Presenters

Theravance: Built to Deliver Value

Theravance Biopharma aims to transform the treatment of specialty respiratory and neurologic diseases by developing and commercializing *Medicines that Make a Difference*[®] in patients' and caregivers' lives

Commercial Stage Company with Phase 3 Data in 2025



Only FDA-approved, once-daily, nebulized LAMA maintenance medicine for COPD Theravance hospital team co-promotes with VIATRIS[™] community team (35% / 65% profit split)¹ Last twelve months' US net sales of \$229M (+12% Y/Y), with expanding margins¹

Ampreloxetine

First-in-class norepinephrine transporter (NET) inhibitor for nOH in MSA Top line Phase 3 data anticipated in 2025

Financial Strength

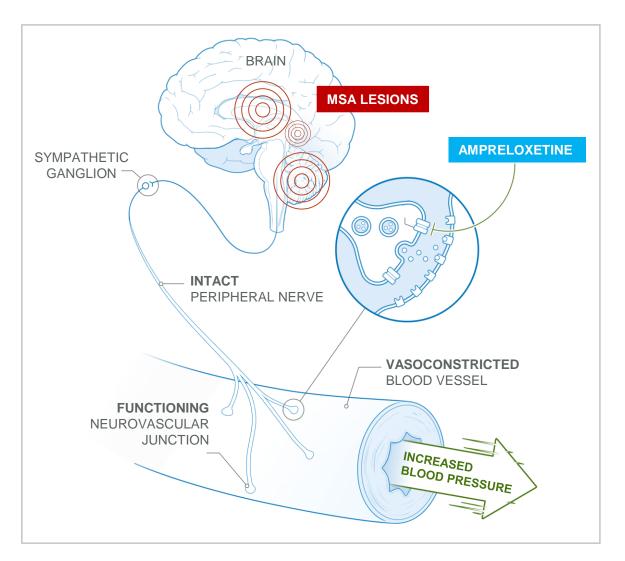
\$100M cash and no debt²

Nearly \$400M in potential future milestones plus royalties through partnerships

1. In the US, Viatris is leading the commercialization of YUPELRI, and Theravance Biopharma co-promotes the product under a profit and loss sharing arrangement (65% to Viatris; 35% to Theravance Biopharma). 2. Refer to our SEC filings for further information. COPD, chronic obstructive pulmonary disease; LAMA, long-acting muscarinic agent; MSA, multiple system atrophy; nOH, neurogenic orthostatic hypotension.



Ampreloxetine: a first in class NET inhibitor for nOH in MSA



Multiple System Atrophy (MSA) is a devastating, incurable neurodegenerative disease

MSA is caused by central nervous system degeneration associated with abnormal accumulation of a protein known as alpha-synuclein

Neurogenic Orthostatic Hypotension (nOH) is a frequent and often debilitating complication of MSA

Loss of autonomic signaling in MSA patients causes persistently low blood pressure upon standing, leading to significant symptom burden

NET inhibition is uniquely-suited to address nOH in MSA

Ampreloxetine, a selective NET inhibitor, increases NE delivery by intact peripheral nerves, improving vascular tone and mitigating symptoms of nOH

The Significant Unmet Need in nOH in MSA

40,000 MSA patients suffer from symptomatic nOH in the US



Treatment alternatives are significantly lacking

- Approved treatments have not demonstrated durable symptom benefits in well-controlled studies
- Commonly prescribed therapies carry significant risk of worsening supine blood pressure
- Population remains sub-optimally treated

Ampreloxetine appears safe and well-tolerated, with durable symptom benefits

- No observed signal for worsening supine hypertension
- Sustained benefits in MSA patients with nOH out to 22 weeks³

 Kalra DK, et al. Clin Med Insights: Cardiol. 2020 (70%-90%);14:1179546820953415.
 Delveinsight MSA Market Forecast (2023); Symptoms associated with orthostatic hypotension in pure autonomic failure and multiple systems atrophy, CJ Mathias (1999).
 Data from MSA patients at week 6 of the randomized withdrawal period of study 0170.
 MSA, multiple system atrophy; nOH, neurogenic orthostatic hypotension



Neurogenic Orthostatic Hypotension in Multiple System Atrophy

Horacio Kaufmann, MD FAAN The F. B. Axelrod Professor of Neurology and Professor of Medicine at NYU Grossman School of Medicine



Addressing the unmet need in nOH in MSA



Multiple System Atrophy

MSA is a debilitating disease that severely impairs the autonomic nervous system and causes neurogenic orthostatic hypotension (nOH)

Current standard of care in nOH in MSA

None of the drugs CURRENTLY available for nOH works well in patients with MSA

High unmet need

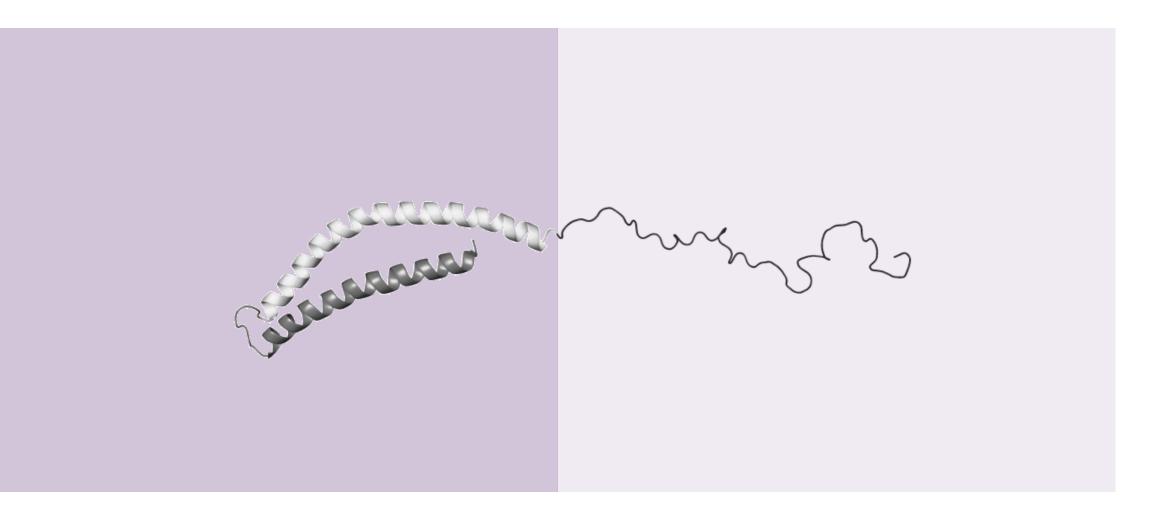
There is an urgent need for an effective treatment that can help these patients

Hope for patients

We now have an effective drug tailored for nOH in MSA



Synucleinopathies are caused by the abnormal buildup of the protein synuclein



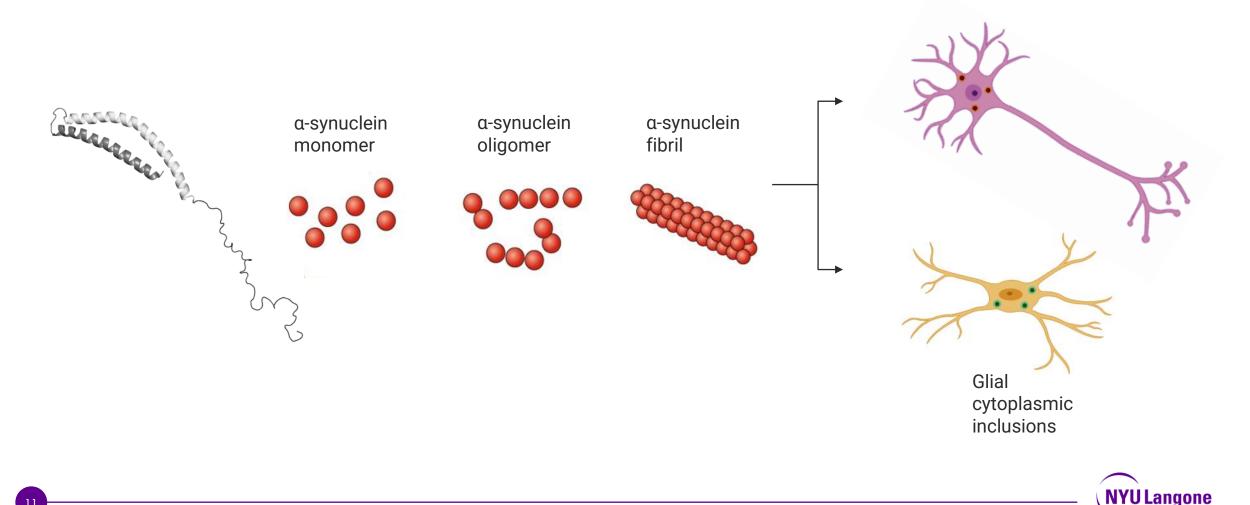




Synucleinopathies are caused by the abnormal buildup of the protein synuclein

Lewy bodies

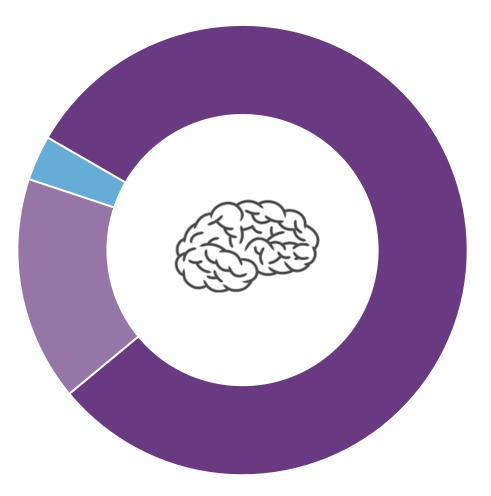
MEDICAL CENTER



CNS synucleinopathies

Multiple System Atrophy (MSA)

Dementia with Lewy Bodies (DLB)



Parkinson's Disease (PD)



MSA is rare and rapidly-progressive

~50K patients in the United States

Severely impairs autonomic and motor functions

Average symptom onset in the sixth decade

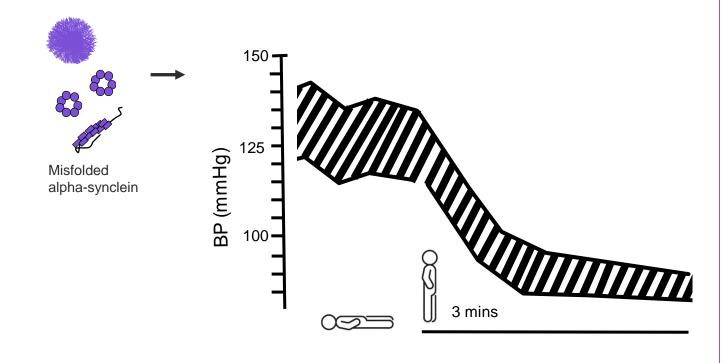


Median survival is ~ 8 years





Neurogenic orthostatic hypotension (nOH)

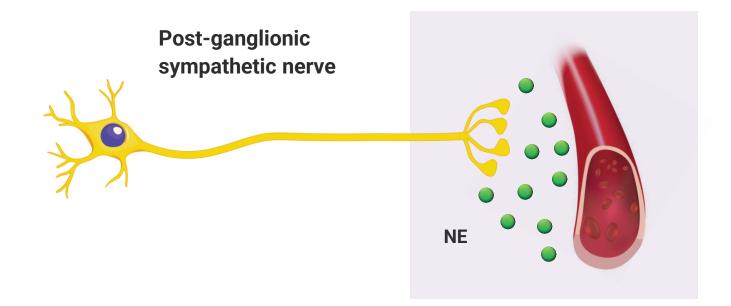


- Occurs on standing
- Gravitational pooling of blood
- Blood pressure fall
- Caused by failure to release norepinephrine and insufficient vasoconstriction



Neurogenic orthostatic hypotension (nOH), cont.

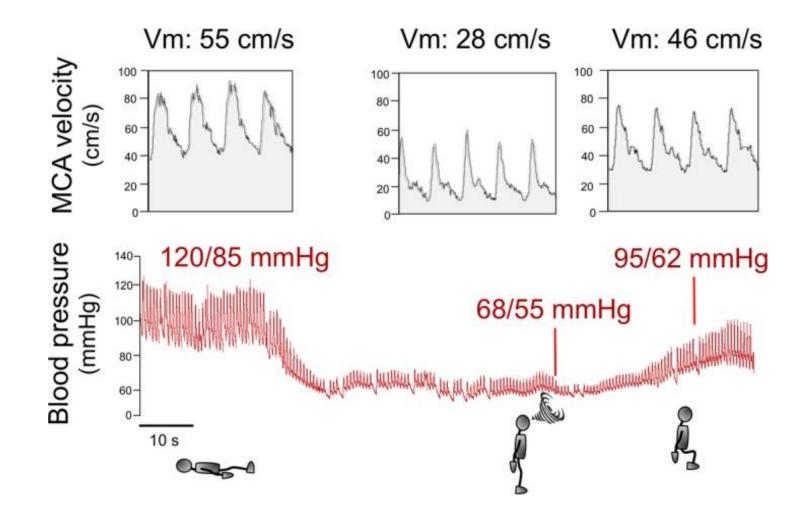
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Adapted from Palma JA, Kaufmann H. Epidemiology, Diagnosis, and Management of Neurogenic Orthostatic Hypotension. Mov Disord Clin Pract. 2017 May-Jun;4(3):298-308. Abbreviations: NE, norepinephrine.



Symptomatic orthostatic hypotension causes organ hypoperfusion

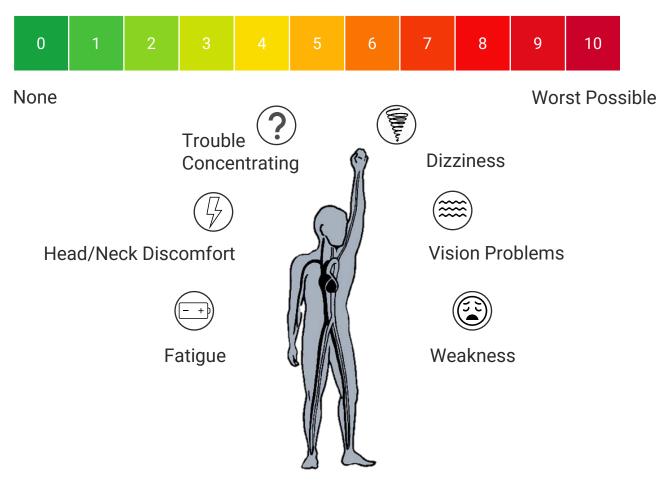


Palma JA, Kaufmann H. Epidemiology, Diagnosis, and Management of Neurogenic Orthostatic Hypotension. Mov Disord Clin Pract. 2017 May-Jun;4(3):298-308. Abbreviations: MCA, middle cerebral artery; Vm, MCA velocity; mmHg, millimeters of mercury.



Symptoms of nOH are debilitating, persistent, and measurable

Orthostatic Hypotension Symptom Assessment (OHSA)

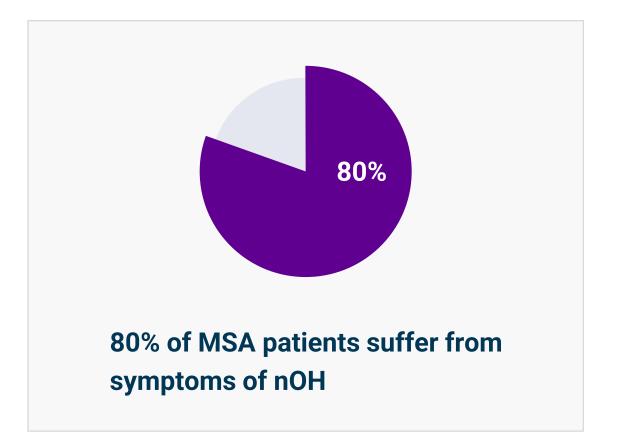


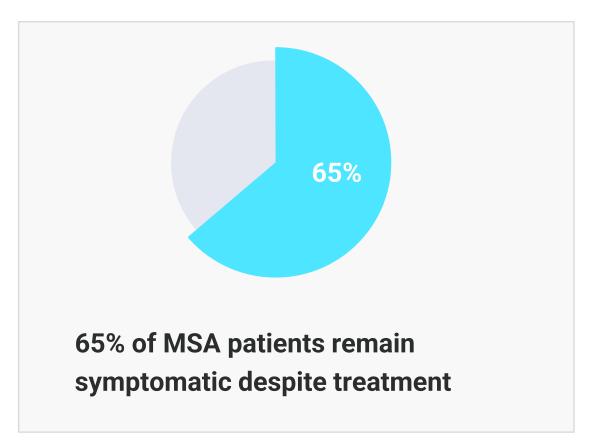
OHSA: patient reported measure of broad symptom burden of nOH

- Questionnaire called the OHQ
- Validated
- Accepted by the FDA as an outcome measure for drug approval
- 1 point change considered clinically meaningful



Symptomatic nOH is very frequent in MSA







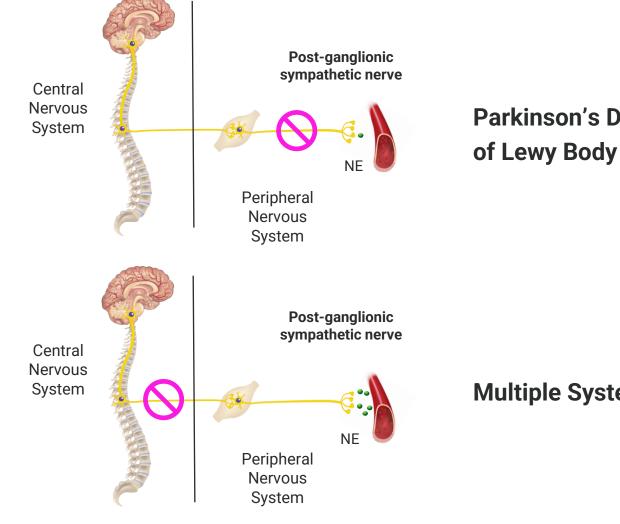
MSA Natural History Statistics, NYU September 2019. Abbreviations: MSA, multiple system atrophy; nOH, neurogenic orthostatic hypotension.

Commonly used therapies for nOH offer limited benefits

Fludrocortisone	Midodrine	Droxidopa
Off label use / not approved	Modest efficacy: most patients remain symptomatic	Not effective in MSA based on meta- analysis
Raises supine blood pressure greater than standing	3x/day dosing	Titrated, 3x/day dosing



Post-ganglionic sympathetic nerves are spared in MSA



Parkinson's Disease, Dementia

Multiple System Atrophy



Ampreloxetine as a Targeted Therapy for nOH in MSA

Dr. Italo Biaggioni

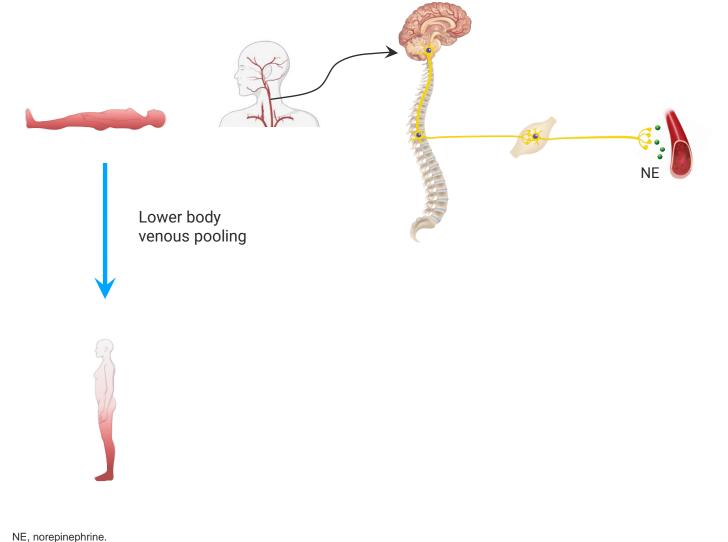
Professor of Medicine, Division of Clinical Pharmacology at Vanderbilt University Medical Center

David Robertson Professor of Autonomic Disorders

Director, Autonomic Dysfunction Center

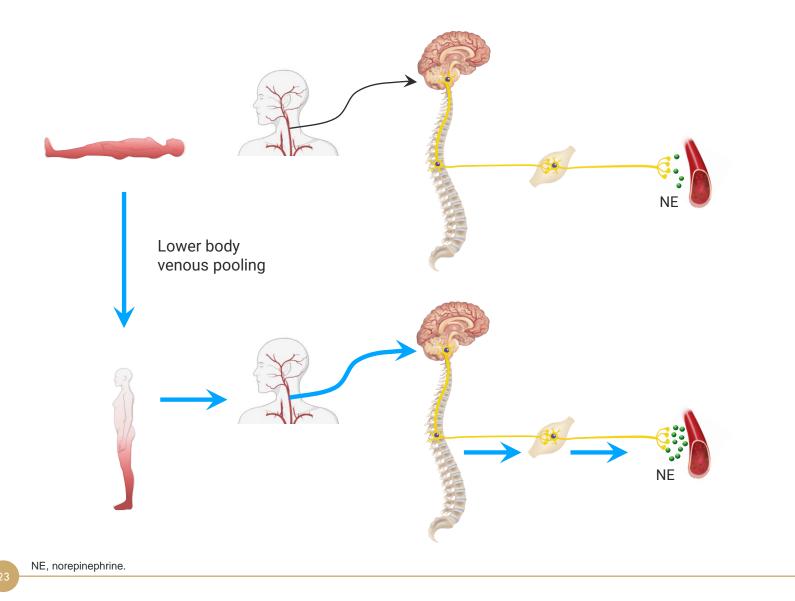


Increased NE "delivery" prevents hypotension upon standing



Upon standing, there is gravitational volume shifts, with pooling of blood in the lower body

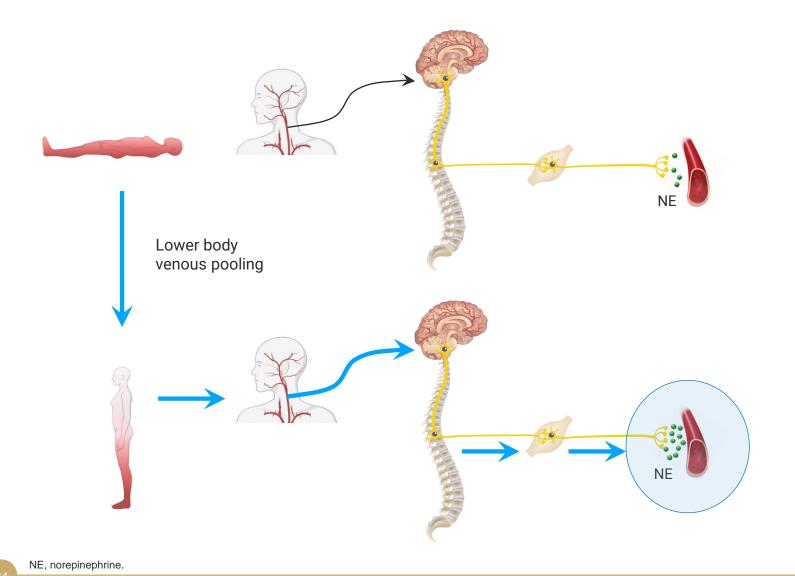
Increased NE "delivery" prevents hypotension upon standing



Upon standing, there is gravitational volume shifts, with pooling of blood in the lower body

This is sensed by baroreceptors, which trigger compensatory sympathetic activation

Increased NE "delivery" prevents hypotension upon standing



Upon standing, there is gravitational volume shifts, with pooling of blood in the lower body

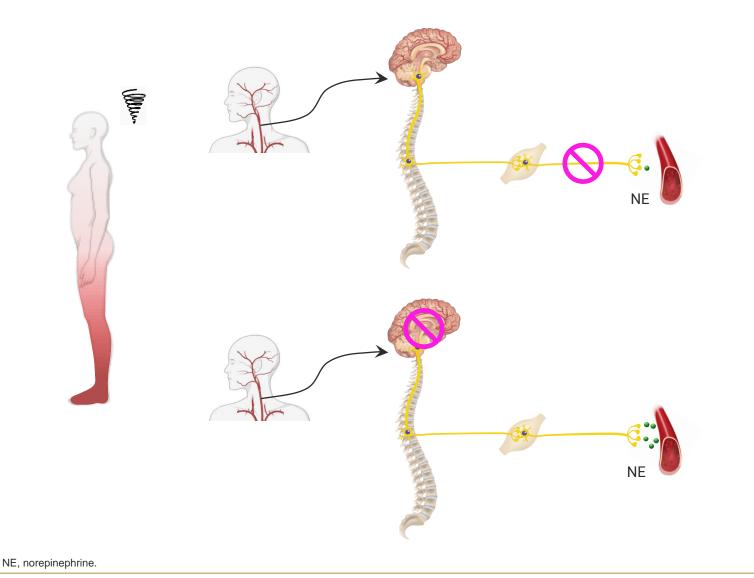
This is sensed by baroreceptors, which trigger compensatory sympathetic activation

NE is released from sympathetic noradrenergic neurons and acts on receptors in the vascular system....

... to restore stroke volume, increase heart rate, and maintain blood pressure

Plasma NE ~doublesSupine:220 pg/mlStanding:480 pg/ml

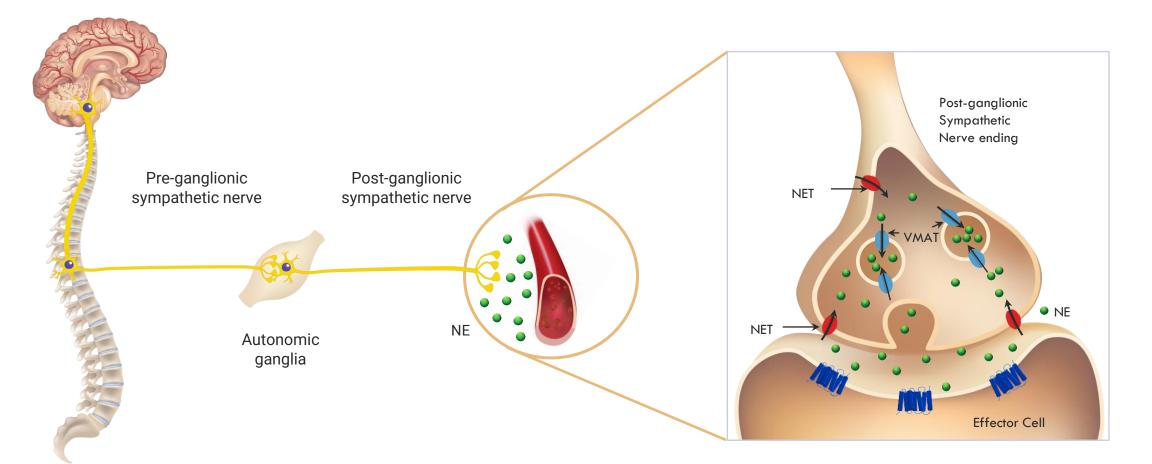
Neurogenic OH is a failure of NE delivery because of...



Peripheral loss of noradrenergic pathways: **Parkinson's Disease, Dementia** of Lewy Body, **Pure Autonomic Failure**

Central loss of autonomic regulation: Multiple System Atrophy

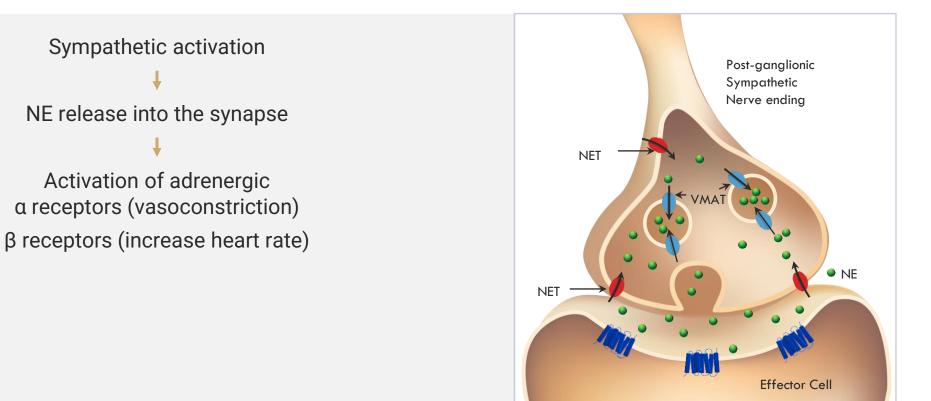
Therefore, NE is essential to sympathetic cardiovascular regulation



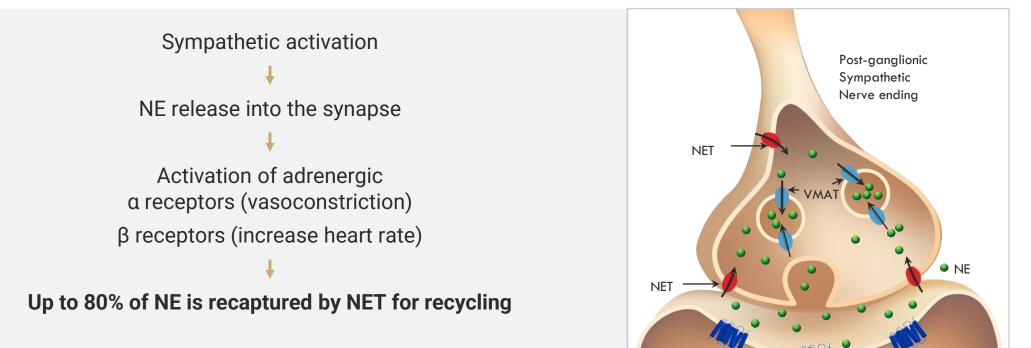
Post-ganglionic sympathetic neurons rely on NE to regulate cardiovascular tone

Vanderbilt Autonomic Dysfunction Center

NE, norepinephrine; NET, norepinephrine transporter; VMAT, vesicular monoamine transporter.







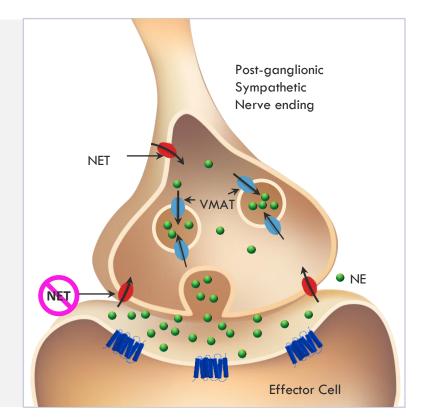
Vanderbilt Autonomic Dysfunction Center

Effector Cell

NE, norepinephrine; NET, norepinephrine transporter; VMAT, vesicular monoamine transporter.

Sympathetic activation → NE release into the synapse → Activation of adrenergic α receptors (vasoconstriction) β receptors (increase heart rate) ↓ Up to 80% of NE is recaptured by NET for recycling

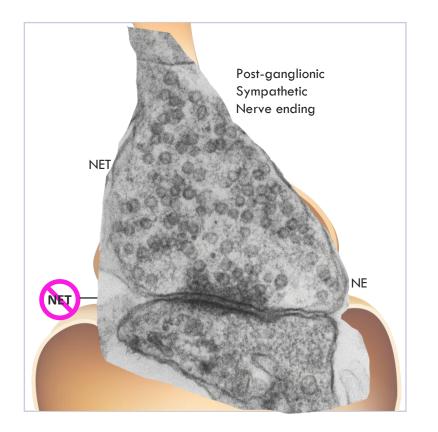
NET blockers increase intrasynaptic NE concentrations and actions



Sympathetic activation NE release into the synapse ↓ Activation of adrenergic α receptors (vasoconstriction) β receptors (increase heart rate) ↓ Up to 80% of NE is recaptured by NET for recycling

NET blockers increase intrasynaptic NE concentrations and actions

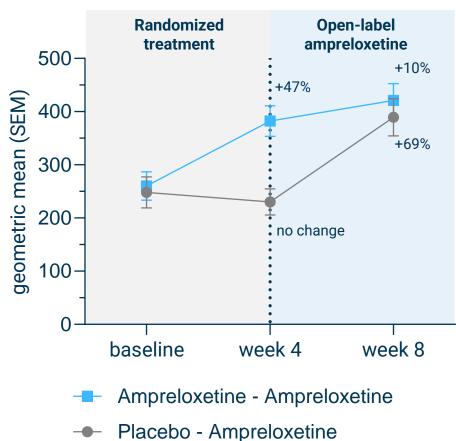
Precisely where it is needed



Vanderbilt Autonomic Dysfunction Center

NE, norepinephrine; NET, norepinephrine transporter; VMAT, vesicular monoamine transporter.

Ampreloxetine raised plasma NE levels durably in nOH



Plasma NE

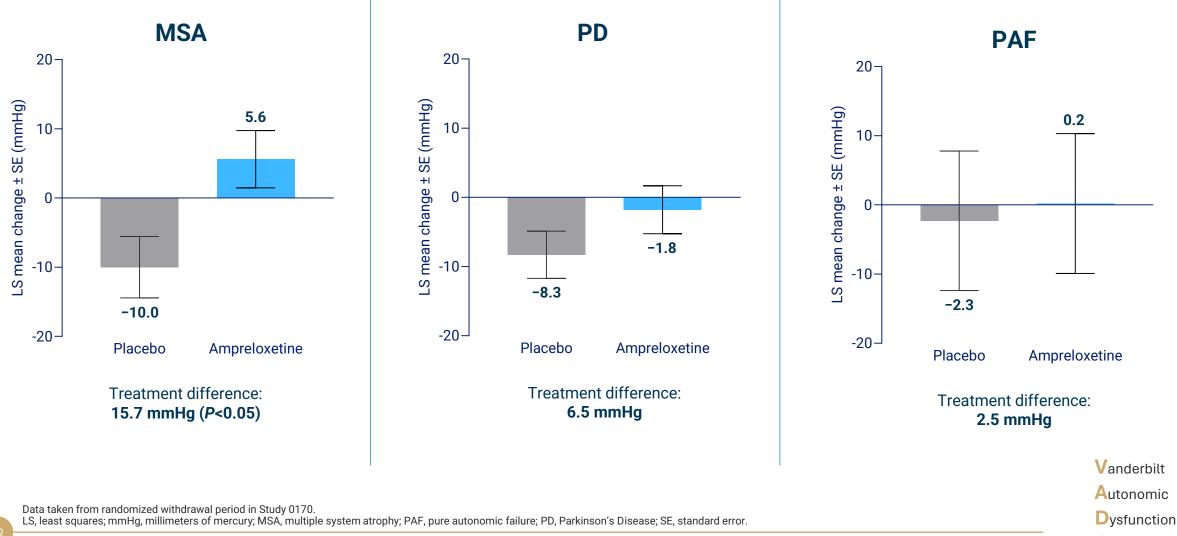
Ampreloxetine raised plasma significantly in patients with symptomatic nOH out to eight weeks

Greatest increases in plasma NE seen in patients with MSA (+57% at 4 weeks)

Vanderbilt Autonomic Dysfunction Center

Data from 0169 and 0170 studies; ampreloxetine 10mg dose administered once per day. Data labels indicate geometric mean ratio vs previous visit. SEM, standard error of geometric mean; MSA, multiple system atrophy; NE, norepinephrine, nOH, neurogenic orthostatic hypotension.

Ampreloxetine preferentially improved standing systolic blood pressure in MSA

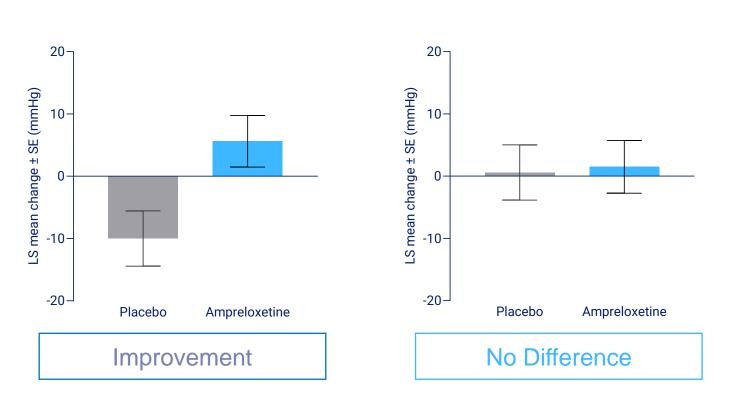


Center

Ampreloxetine improved upright blood pressure "physiologically"

Supine SBP

Standing SBP

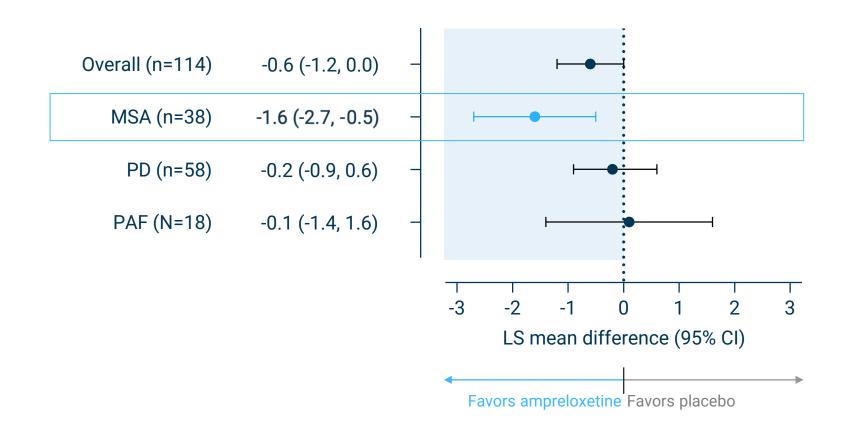


- Standing blood pressure improved without evidence of increasing supine blood pressure
- Approved therapies increase supine > standing blood pressure

Vanderbilt Autonomic Dysfunction Center

Data from MSA patients at week 6 of the randomized withdrawal period of study 0170. Standing SBP measured at 3 min and supine SBP measured at 10 min. Line represents the mean +/- standard deviation. MSA, multiple system atrophy; SBP, systolic blood pressure; SD, standard deviation.

Ampreloxetine provided symptomatic benefit in MSA



- In Study 0170, patients reported a 1.6 point improvement in symptoms relative to placebo
- Symptomatic improvements consistent with changes in NE levels and standing 3- minute SBP
- Results are consistent with the NET hypothesis in nOH and support the design of CYPRESS

Vanderbilt Autonomic Dysfunction Center

OHSA data taken from week 6 of randomized withdrawal period in Study 0170. Cl, confidence interval; LS, least squares; MSA, multiple system atrophy; NE, norepinephrine; NET, norepinephrine transporter; nOH, neurogenic orthostatic hypotension; OHSA, orthostatic hypotension symptom assessment; PAF, pure autonomic failure; PD, Parkinson's Disease.

Ampreloxetine is a smart drug for nOH in MSA



MSA patients have spared noradrenergic neurons and residual sympathetic tone



Ampreloxetine increased NE levels in MSA patients



Ampreloxetine harnesses this residual sympathetic tone by increasing synaptic NE



Enhanced vasoconstriction, improved BP, alleviated symptoms



Potentiates sympathetic activity <u>only</u> when stimulated by upright posture



Mechanism of action is tailored to MSA

Ampreloxetine: Discovery Through CYPRESS Design and Execution

Dr. Áine Miller Theravance Biopharma SVP, Head of Development

Ampreloxetine: designed to address nOH in MSA

Discovery/Early Development

Ampreloxetine has a desirable PK/PD profile and has been safe and well tolerated in the clinic

CYPRESS Design and Execution

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Pivotal CYPRESS study designed to confirm the clinically meaningful results seen in Study 0170 in MSA patients

Regulatory Preparation

37

Theravance Biopharma is positioned to capitalize rapidly and efficiently upon CYPRESS's potential success

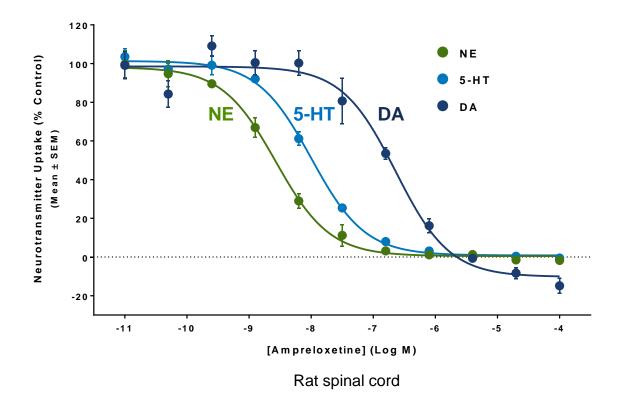


Ampreloxetine is a potent and selective inhibitor of the NE transporter (NET)

Ampreloxetine was designed to target and correct the norepinephrine imbalance

- Novel chemical entity, discovered and developed at Theravance Biopharma
- Potent and high-affinity NET inhibitor
- Orally bioavailable with half life that supports QD dosing
- Mechanism of action consistent with durability of effect

Pre-clinical studies confirmed ampreloxetine as a selective and potent inhibitor of NE transport





10 mg clinical dose selectively inhibits reuptake of NE

Ampreloxetine Dose (mg)	Projected Mean % NET Occupancy	Projected Mean % SERT Occupancy
10	> 90	< 50

Occupancy estimated using PK/PD model constructed from Phase 1 PET study and population pharmacokinetics of ampreloxetine in human trials

- 10 mg dose level achieves selective inhibition of NET over SERT (serotonin transporter)
- High levels of NET target engagement consistent with increases in NE observed in ampreloxetine clinical trials
- Low levels of SERT target engagement are consistent with the low incidence of serotonergic side effects (e.g., nausea, sleepiness, agitation) seen in ampreloxetine clinical trials



Ampreloxetine: from discovery through CYPRESS, an investigational medicine for symptomatic nOH in patients with MSA

Indication Selection	Phase 2 PoC	Initial Phase 3	Pivotal Phase 3
NET inhibitor discovered at Theravance Biopharma	Demonstrated sustained, clinically	Proposed indication of symptomatic nOH in patients	Refocused to patients with MSA
nOH in MSA caused by NE deficiency	meaningful symptom improvement for up to 5 months in nOH	with MSA Expanded to broader synucleinopathies based on	Designed to confirm benefit seen in MSA in previous Phase 3 program FDA on path to full approval with positive CYPRESS data
NET inhibition particularly well suited to MSA pathophysiology	nOH symptom improvements associated with increases in standing SBP	input from FDA Revealed compelling, durable benefit in patients with MSA	
Significant unmet need		÷ 1	

REDWOOD

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SEQUOIA



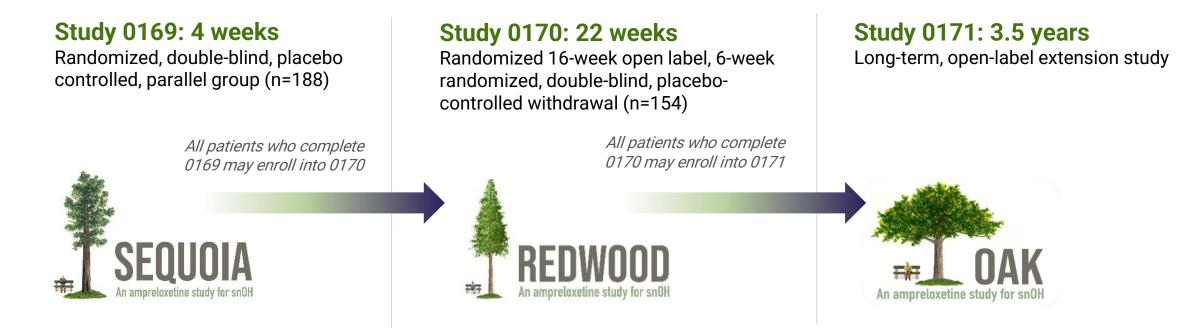
CYPRESS

MSA, multiple system atrophy; NE, norepinephrine; NET, norepinephrine transporter; nOH, neurogenic orthostatic hypotension; SBP, systolic blood pressure; SERT, serotonin transporter.

Initial Phase 3 program design

Phase 3 Registrational Program

Extension Study

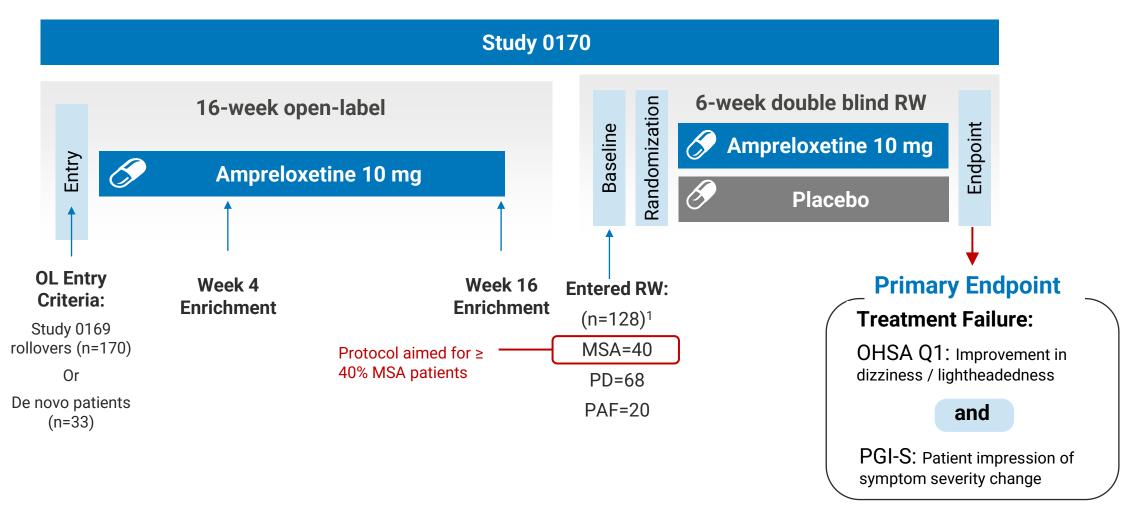


Synucleinopathies with nOH (prespecified subgroup analysis by disease)



Study 0170 designed to assess durability

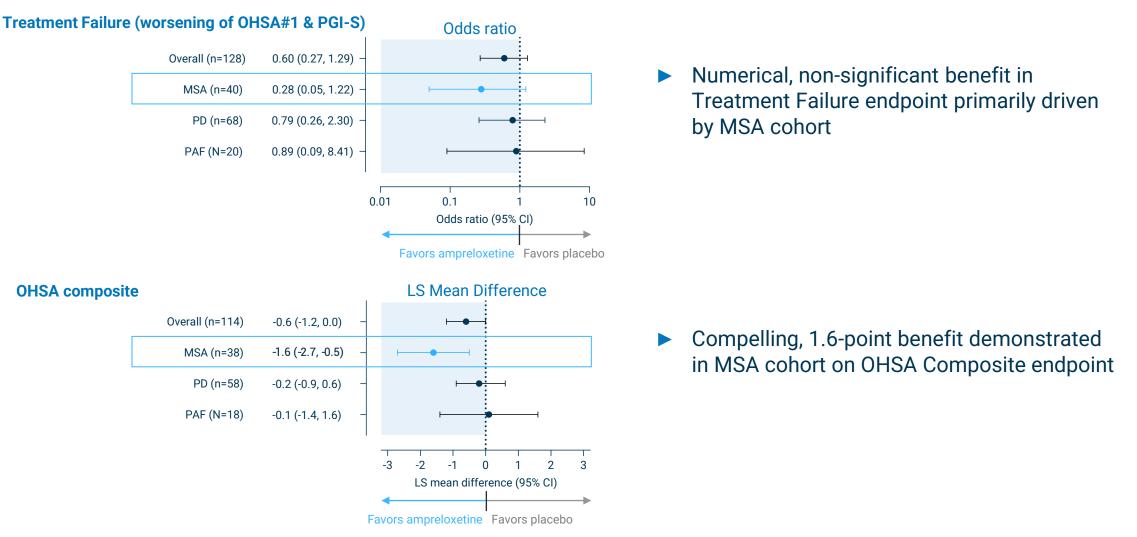




1. Study 0170 was terminated early because of negative results from Study 0169 (n=128 vs. 154 anticipated).

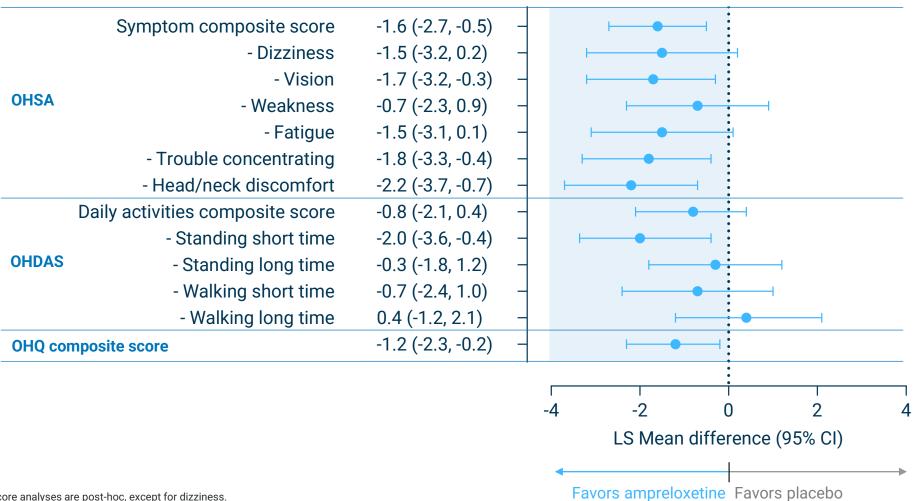
MSA, multiple system atrophy; OHSA, orthostatic hypotension symptom assessment; OL, open label; PAF, pure autonomic failure; PD, Parkinson's disease; PGI-S, patient global impression of severity; RW, randomized withdrawal.

Study 0170 by-disease analyses demonstrated ampreloxetine's effects in MSA



The number of analyzable patients differ between analyses due to missing data. Missing data is imputed as treatment failure for the primary endpoint. Missing data for OHSA composite, OHSA#1 and OHDAS composite scores are assumed missing at random and analyzed through a mixed model repeated measures analysis. n=128; n=number of subjects enrolled in the randomized withdrawal period. CI, confidence interval; LS, least squares; MSA, multiple system atrophy; OHSA, orthostatic hypotension symptom assessment; PAF, pure autonomic failure; PD, Parkinson's disease; PGI-S, patient global impression of severity.

Study 0170 OHQ questionnaire composite score and individual items in MSA





Individual item score analyses are post-hoc, except for dizziness.

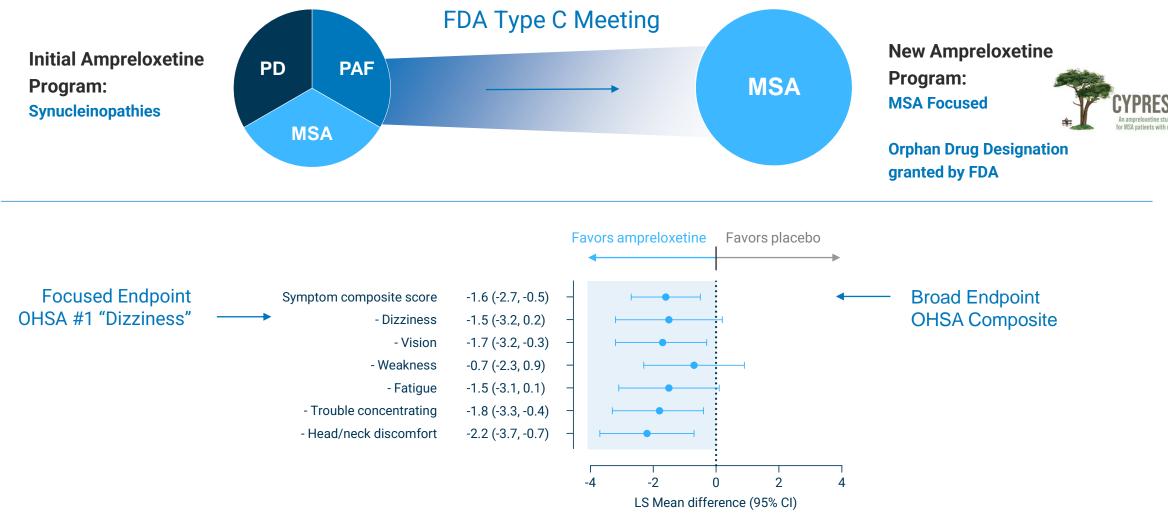
Cl, confidence interval; LS, least squares; MSA, multiple system atrophy; OHDAS, orthostatic hypotension daily activity scale; OHQ, orthostatic hypotension questionnaire; OHSA, orthostatic hypotension symptom assessment.

Durable, clinically-significant symptom improvements in MSA demonstrated in initial Phase 3 program





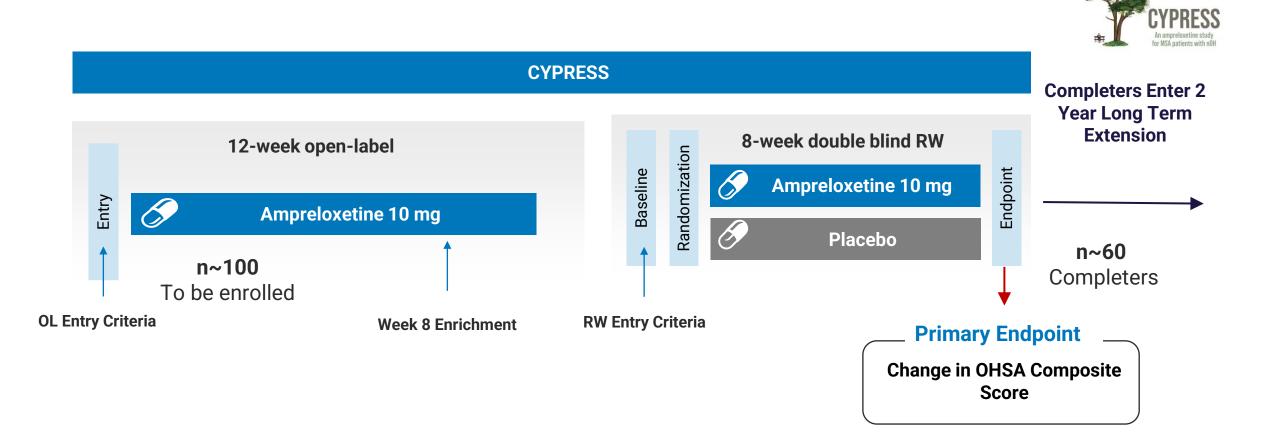
MSA results in Study 0170 Inform pivotal Phase 3

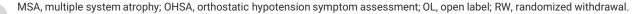


CI, confidence interval; LS, least squares; MSA, multiple system atrophy; OHSA, orthostatic hypotension symptom assessment; PAF, pure autonomic failure; PD, Parkinson's disease.



CYPRESS study: randomized withdrawal study design in patients with MSA







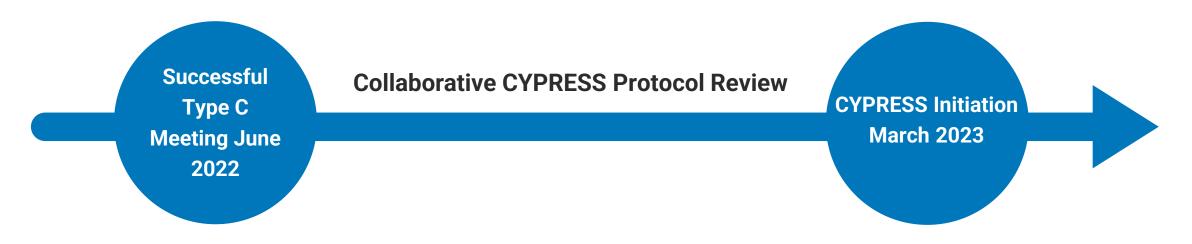
Operational Excellence in CYPRESS

Focus on high-quality study with enrollment completion in open label portion in 2024

CYPRESS EXECUTION **Protocol Design Site Selection** Leading KOLs and many high quality sites from Studies 0169 and 0170 Infrastructure in place to support remote visits AI effort leverages claims information to enrich our network Reduced site & patient burden Global footprint with sites in Europe, US, Asia/Pac and Latin America **Enrollment Trial oversight & management** Site & patient engagement Direct management of study conduct rather than Advocacy & community focus traditional CRO model To-date study metrics consistent with expectations

Theravance Biopharma

Alignment with FDA on CYPRESS design derisks regulatory path



Aligned with FDA on CYPRESS:

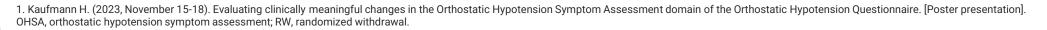
High level RW design including the use of the OHSA composite as primary endpoint

Successful outcome, with Study 170 results as supportive, would fulfill requirement for a full approval

Use of FDA-supported, Anchor-Based Analysis

to establish clinically meaningful thresholds for patientreported outcomes measures

~1 point change in OHSA Composite identified as clinically meaningful¹



Safety profile established in >800 subjects

Phase 1	Phase 2	Phase 3
Phase 1 registration package	Fibromyalgia	Symptomatic nOH
Healthy volunteer studiesClinical pharmacology studies	Adult ADHD	 208 patients with MSA, PD & PAF exposed to ampreloxetine in initial P3 program
	Symptomatic nOH	 110 patients exposed to ampreloxetine for

Ampreloxetine was generally safe and well-tolerated

Safety Profile

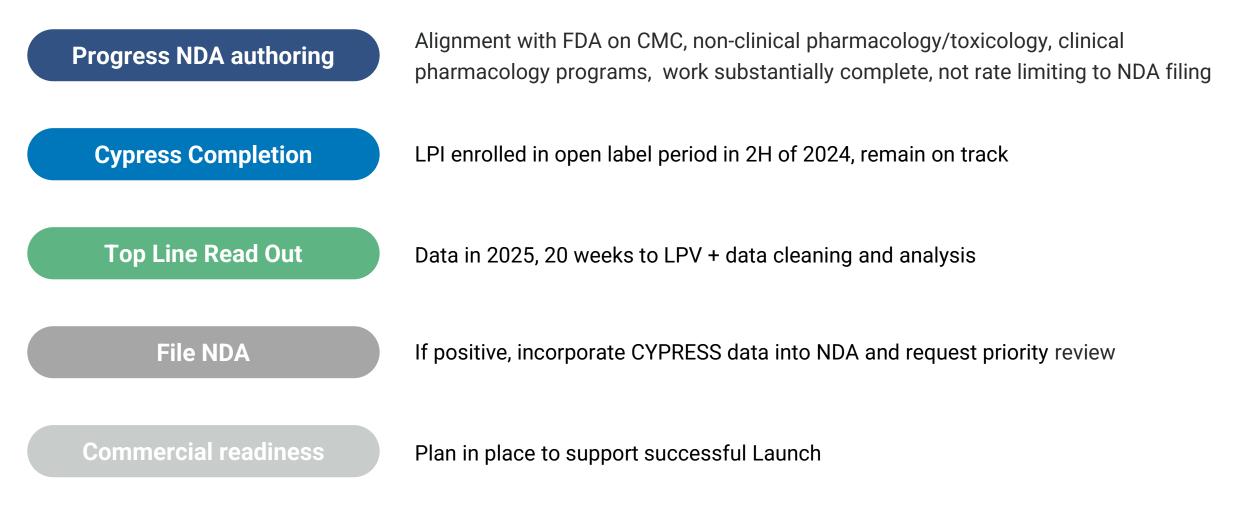
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No unexpected safety concerns occurred throughout the duration of the studies Safety profile for the MSA subgroup was also consistent with that of the overall nOH population No signal for worsening of supine hypertension



>6 months and 67 patients >12 months

Positioned to capitalize rapidly and efficiently upon CYPRESS's potential success



CMC, chemistry, manufacturing and controls; LPI, last patient in; LPV, last patient visit; NDA, new drug application.

Opportunity Analysis

Rhonda Farnum Senior Vice President, Chief Business Officer

A significant opportunity exists for ampreloxetine

Effective nOH treatment is lacking in MSA

- **High unmet need** due to significant limitations of current therapies
- Symptoms interfere with daily activities in 80% of patients with MSA
- **nOH increases risk** of falling and injuries and worsens patients' disability
- 65% of MSA patients remain symptomatic despite treatment with approved therapies

 Ampreloxetine is a selective, high affinity, once-daily norepinephrine transporter inhibitor

Smart approach to nOH

- Uses patients' available NE, should lead to to sustained symptomatic benefit over time
- Unparalleled approach aims to demonstrate overall improvement in a patient's well-being by addressing a wide range of symptoms

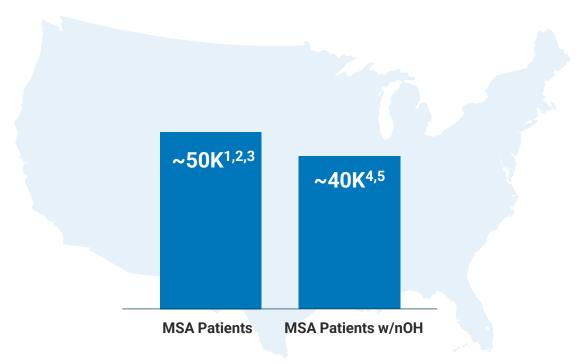
- Significant market opportunity
- NO product in development or on the market has demonstrated a durable effect across a comprehensive set of nOH measures
- nOH in MSA patients is a rare disease diagnosed and treated by specialists
- Strong foundation of experience in the US with an understanding of the concentrated MSA market landscape



An innovative, durable, and convenient treatment for nOH patients is needed

nOH prevalence in the US

~40K MSA Patients with nOH



An opportunity for Theravance Biopharma

Established nOH treatment paradigm

- ~80% of MSA patients suffer from nOH
- nOH is included in treatment guidelines

Specialist networks in place, concentrated market

- Autonomic and movement disorder specialists treat patients with MSA
- Patients with nOH are identified and managed by specialty institutions

Patients have few options

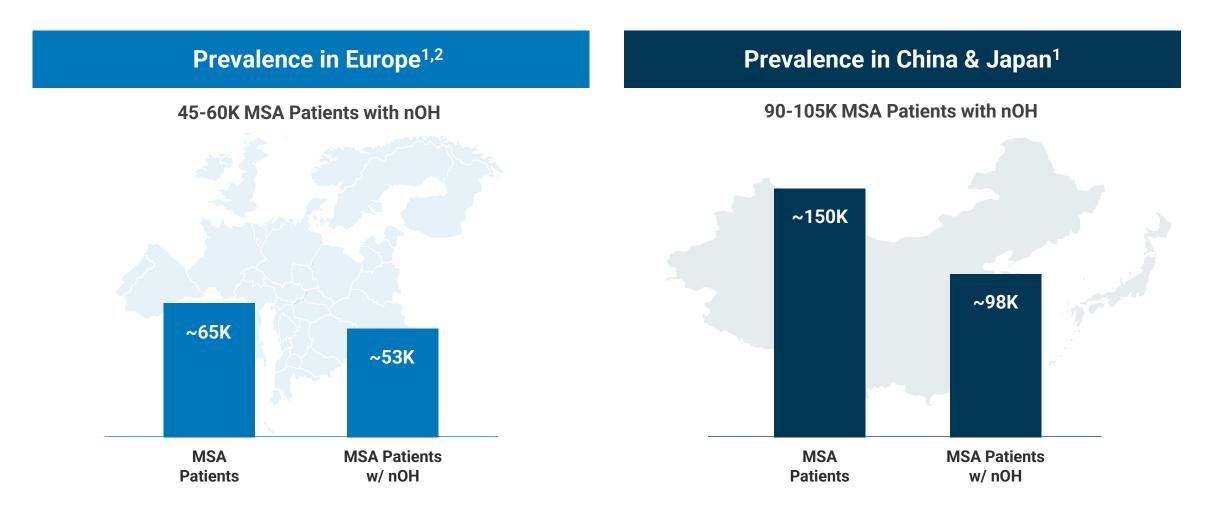
 Midodrine and droxidopa have a short-term effect, require multiple daily doses and increased risk of supine hypertension

1. "Estimating the prevalence and incidence of multiple system atrophy in the USA: Insights from a national claims database", Parkinsonism and Related Disorders 11/4/2023. 2. UCSD Dept. of Neurosciences (25K-75K): https://neurosciences.ucsd.edu/centers-programs/movement-disorders/community/disease-overview/msa.html; 3. Thelansis nOH Market Report 2023; Internal claims analyses (IQVIA, Veeva, Real Chemistry). nOH graphics reflect the mid-point of the provided ranges.4. Kalra DK, et al. Clin Med Insights: Cardiol. 2020 (70%-90%);14:1179546820953415. 5. Delveinsight MSA Market Forecast (2023); Symptoms associated with orthostatic hypotension in pure autonomic failure and multiple systems atrophy, CJ Mathias (1999). MSA, multiple system atrophy; nOH neurogenic orthostatic hypotension.



Ampreloxetine ex-U.S. opportunity

Significant unmet needs in leading therapeutics markets



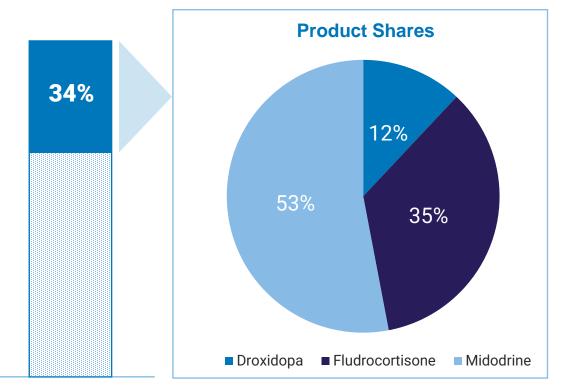
1. Thelansis nOH Market Report 2023; TBPH Internal Analysis. nOH graphics reflect the mid-point of the provided ranges. 2. Prevalence estimate for Germany, France, UK, Italy and Spain.

MSA, multiple system atrophy; nOH neurogenic orthostatic hypotension.



MSA patients with nOH are not optimally treated

Only ~34% of patients are treated, current therapies have not worked in this patient population¹



A high unmet need remains, clinically meaningful options are needed



Advocacy groups, patients and caregivers are actively engaged and seeking new therapies to better manage nOH



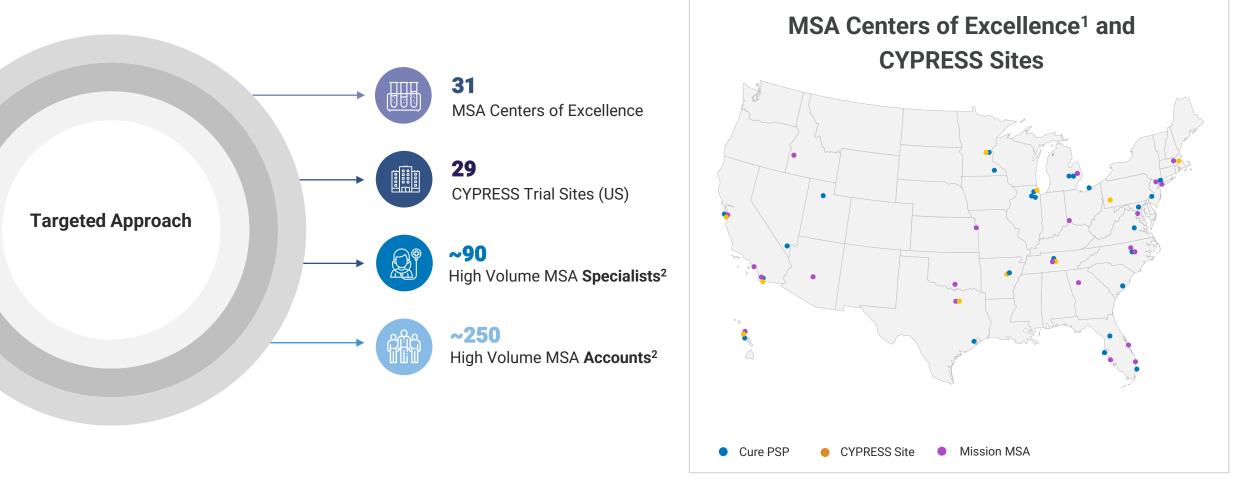
Physicians report an urgency to treat patients with nOH due to the impact on quality of life, high risk of injury from falls, and caregiver burden

MSA Patients

1. Veeva Compass patient-level claims data, MSA patients (G90.3) with at least 1 Rx from 2020-2023. Product share defined as total "days supplied" in this patient population. MSA, multiple system atrophy; nOH neurogenic orthostatic hypotension.



Treatment landscape is concentrated, commercial efforts will focus on MSA, nOH specialists



1. Centers of Excellence: <u>https://missionmsa.org/resource-library/centers-of-excellence-overview/, https://www.psp.org/centers-of-care</u> 2. Veeva Compass patient-level claims data, MSA patients (G90.3), 1/1/2023-12/31/2023.

MSA, multiple system atrophy; nOH neurogenic orthostatic hypotension.

Planning a rare disease launch in the current market

Factors impacting US launch opportunity



Therapeutic Area



Disease Prevalence



Dosing [One-time, chronic]



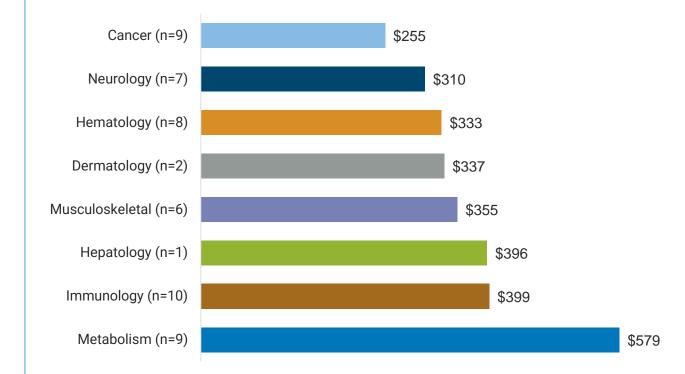
Efficacy, Safety



Competitive Landscape

Recent orphan drug launches

Average launch price (K) for chronic therapies by therapeutic area (n=52)



Source: Cantor Fitzgerald, Biotechnology Equity Research, April 11, 2024. Includes 63 drugs approved in the US between 1/22/2021-3/21/2024; average launch price based on WAC (wholesale acquisition cost).

Theravance **Biopharma**

Commercial imperatives for launch excellence

DESIGN

59



Create a targeted, optimized US launch plan, leveraging TBPH expertise and infrastructure

Capitalize on unique understanding of nOH in MSA patients

BUILD

Leverage fundamental capabilities while investing in a targeted and innovative approach for a rare disease launch

Capitalize on proven success in the US hospital market

Implement ROW partnering strategy

TRANSFORM



Potential to deliver a clinically meaningful treatment and impact the lives of MSA patients suffering from symptoms of nOH

Ampreloxetine approval would propel Theravance into a new era – transforming a rare neurological condition

Theravance is moving forward with great momentum in anticipation of launching ampreloxetine in the US



