

Corporate Presentation

April 2026



Forward looking statements

This presentation may contain some statements that may be considered “Forward-Looking Statements”, within the meaning of the US Securities Laws. Thus, any forward-looking statement relating to financial projections or other statements relating to the Company’s plans, objectives, expectations or intentions involve risks and uncertainties that may cause actual results to differ materially. For a discussion of such risks and uncertainties as they relate to us, please refer to our 2025 Form 20-F, filed with US Securities and Exchange Commission, in particular Item 3, Section D, titled “Risk Factors.”



Alterity is a late clinical stage biopharmaceutical company dedicated to developing treatments for neurodegenerative diseases



Alterity means the state of being different



Our goal is to slow the course of disease progression



We strive to create an alternate future and improve patient quality of life

Redefining Neurodegenerative Disease Therapy

Advancing ATH434, a Potential First-in-Class, Disease-Modifying Therapy for Multiple System Atrophy (MSA)

Differentiated, Disease-Modifying Approach for MSA

Oral iron chaperone ATH434 targets excess reactive iron and α -synucleinopathies
Blood brain barrier penetrant small molecule

Compelling Phase 2 Efficacy on FDA-Endorsed Endpoint

Up to 48% slowing of disease progression vs. placebo on FDA-endorsed endpoint*
Favorable safety profile with no drug-related serious adverse events

Unmet Need with Significant Commercial Potential

MSA is a rare, rapidly progressive disease (up to 50,000 U.S. patients)
Independent assessment supports ~\$2.4B global peak sales opportunity in MSA

Pivotal Advancement in 2026 with Clear Regulatory Path

End-of-Phase 2 FDA meeting planned for mid-2026 to align on Phase 3 design
Veteran neurology team with proven FDA-approval track record

Multiple System Atrophy (MSA): Parkinsonian disorder with no approved treatment

Rapidly progressive

Highly debilitating

Up to 50,000

patients in U.S.

Disease characteristics:

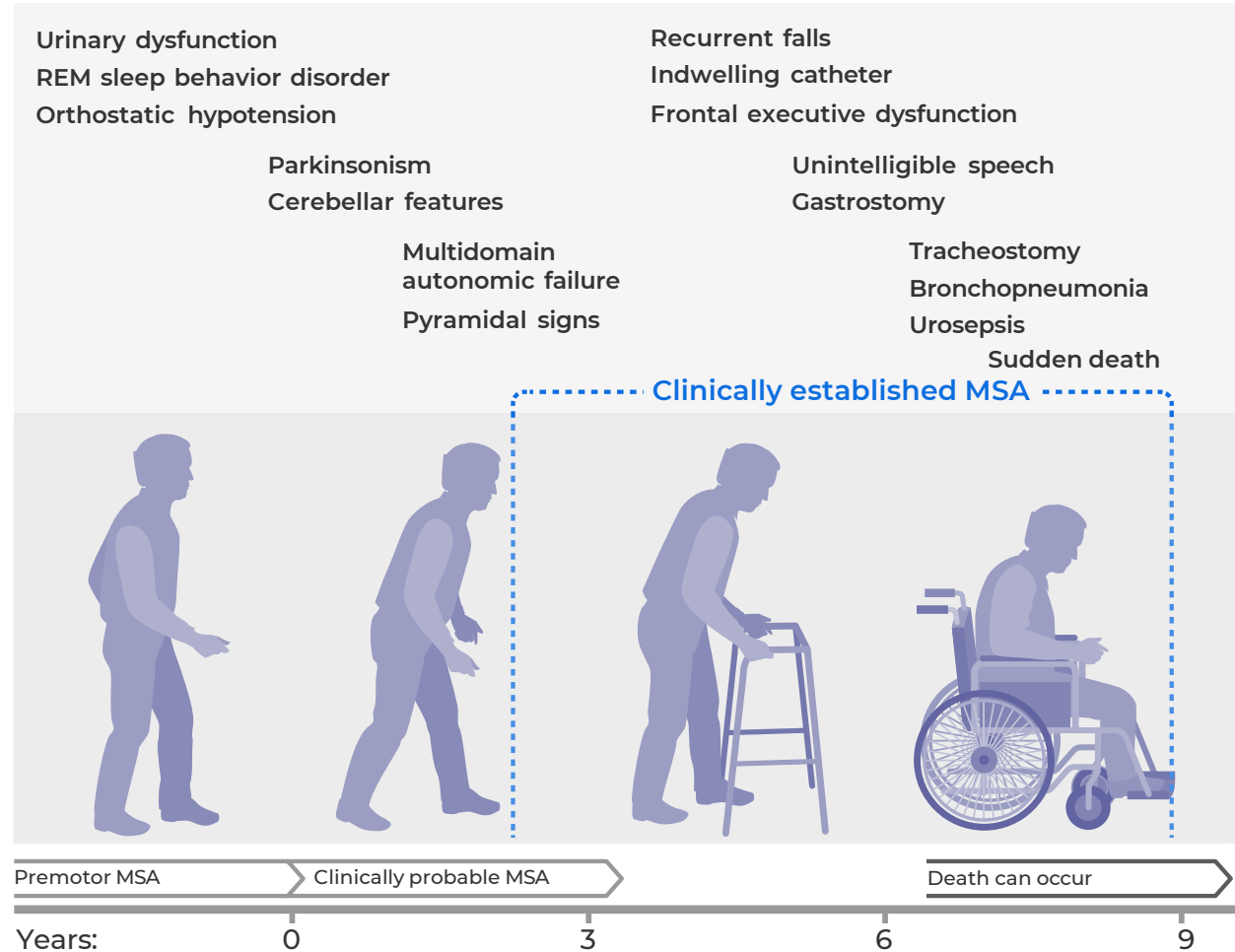
- Motor: Parkinsonism, uncoordinated movements, balance problems, falls
- Autonomic dysfunction: blood pressure maintenance, bladder control, bowel function
- Atrophy and α -synuclein accumulation in multiple brain regions

Over 50%

require wheelchair
in 5 years

7.5 years

median survival
after symptom onset

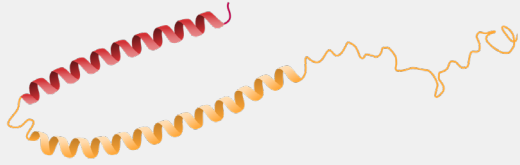


Targeting the pathology in Parkinsonian disorders



Targeting key players in MSA pathology

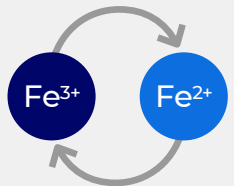
Alpha-synuclein and iron balance in health and disease



α -Synuclein protein

- Present in all neurons
- Enables neuronal communication

In disease: *α -Synuclein aggregates in neurons in MSA impairing communication and leading to dysfunction*



Fe^{2+} Reactive
 Fe^{3+} Stable

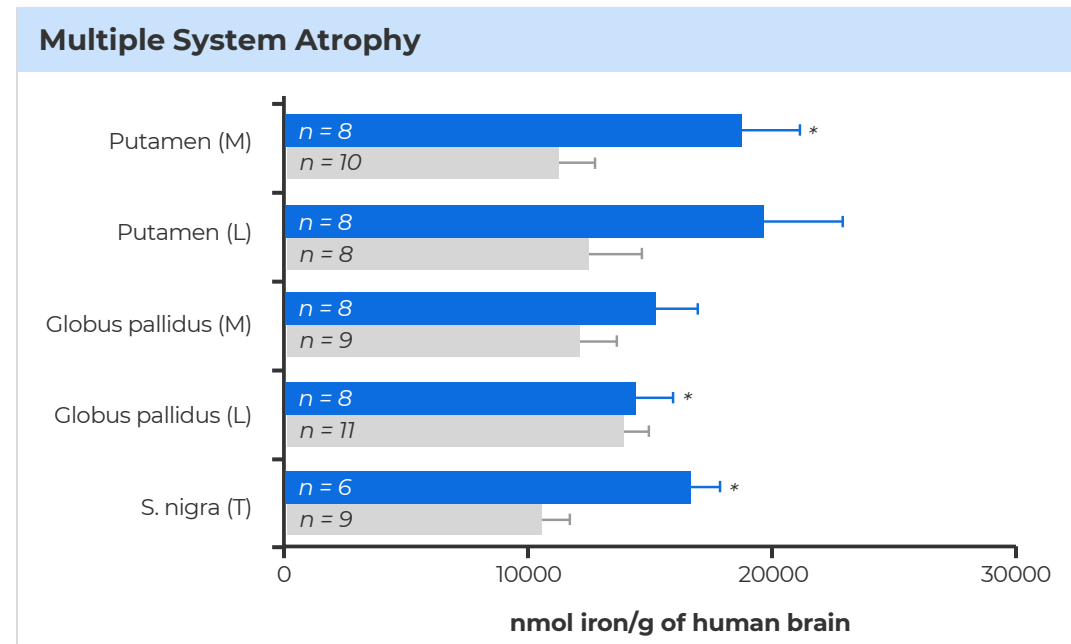
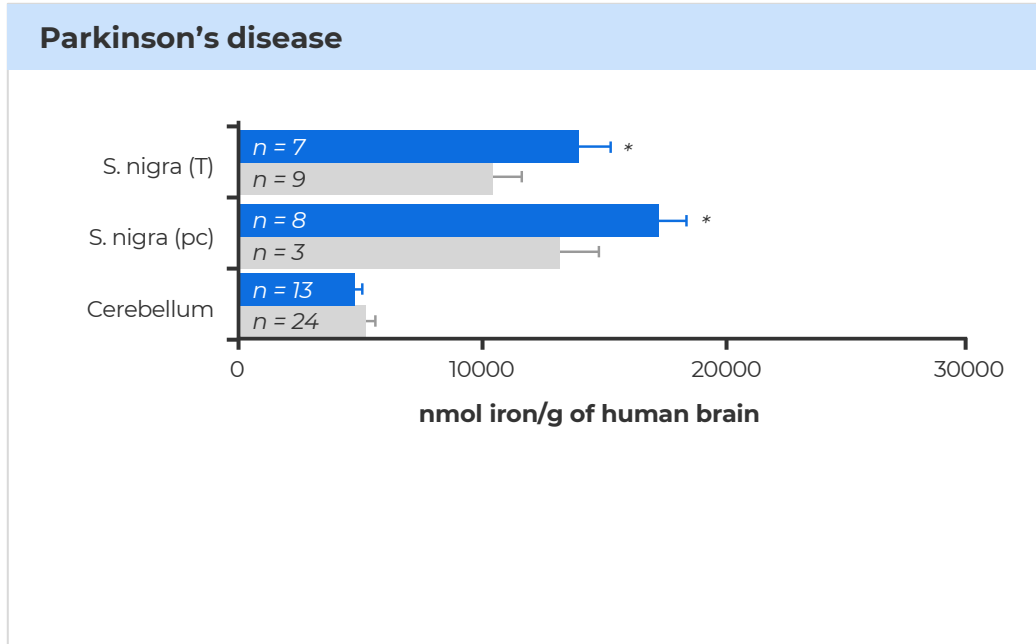
Two forms of iron required for cellular function

- Neurotransmitter synthesis (e.g., dopamine)
- Myelin synthesis (allows fast signal transmission)

In disease: *Excess reactive iron drives α -synuclein aggregation and oxidative injury*

Pathology of Parkinsonian disorders

Increased Brain Iron in Areas of Pathology

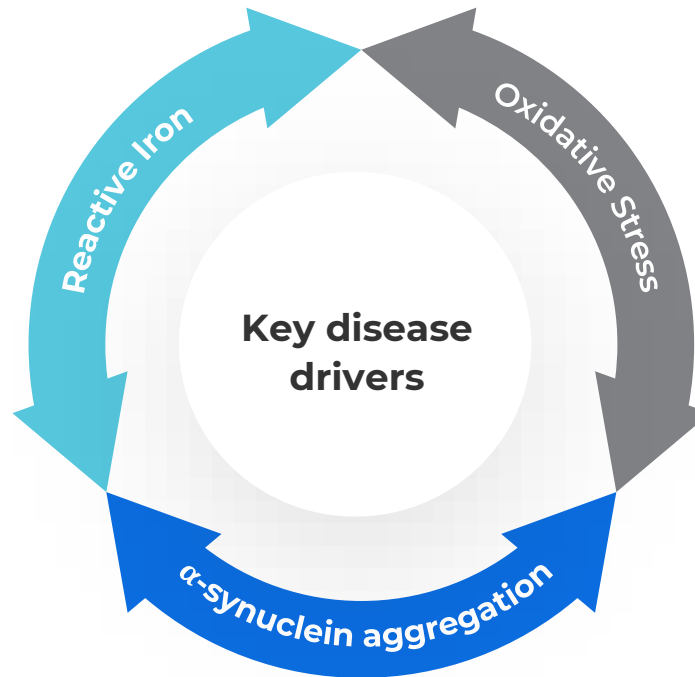


■ Patients ■ Healthy controls

Iron is a key driver of the MSA Pathology

ATH434 chaperones excess iron to reduce neuronal injury

MSA Pathology Cycle



Disrupted Control of CNS Iron

Overwhelms natural iron buffering systems, leading to iron accumulation in MSA brain regions

Reactive iron

Generates free radicals
Promotes α -synuclein aggregation

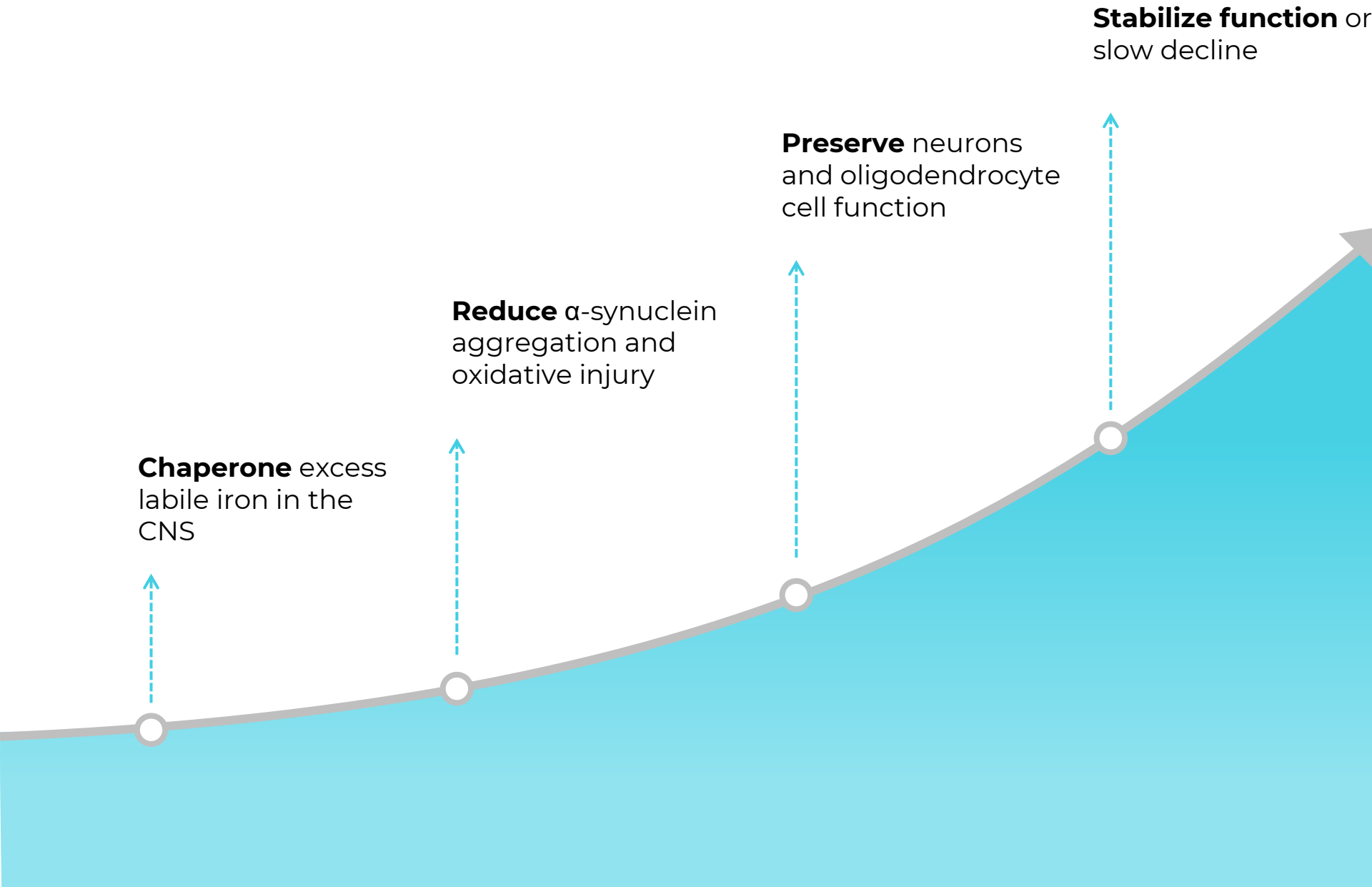
Oxidative stress

Disrupts multiple cellular functions
Promotes α -synuclein aggregation

α -synuclein aggregation

Neuronal toxicity
Impaired myelin production

Treatment approach: Address underlying pathology



Based on mechanism of action, ATH434 is a potential disease modifying therapy

ATH434: Small molecule drug candidate



Oral administration

Preferred by patients and doctors vs infusions (IV, intrathecal) or injections



Blood-brain barrier penetrant

Acts intracellularly to address underlying pathology



Iron chaperone

Moderate binding affinity, redistributes excess labile iron in CNS



Broad treatment potential

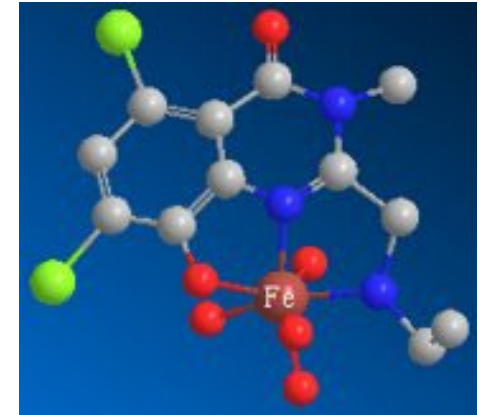
Potential to treat many neurodegenerative diseases (e.g., Parkinson's, Frederich Ataxia)



Orphan & Fast Track designations

US FDA Fast Track Designation and Orphan drug designation in U.S. and EU

ATH434 binding to labile iron



Multiple models of neurodegenerative disease demonstrate ATH434 efficacy

Target Disease	Model	Midbrain iron (incl. s. nigra)	α -Synuclein	Preserve neurons/ function	Clinical observations
MSA ¹	PLP- α -syn	↓	↓	↑	Improved motor performance
MSA ²	PLP- α -syn	↔ to ↓	↓	↑	Improved motor performance
Parkinson's	Monkey MPTP	↔ to ↓	n/a	↑	Improved motor performance
Parkinson's	Mouse MPTP	↓	↓	↑	Improved motor performance
Parkinson's	Mouse A53T	↓	↓	↑	Improved motor performance
Parkinson's	Mouse tau knockout	↓	↓	↑	Improved motor performance

↔ Stable

ATH434 consistently improved motor performance by reducing α -synuclein aggregation and preserving neurons



ATH434 clinical development program in MSA

Diligent approach to de-risk development program

Natural History Study

bioMUSE

- Observational study in 21 participants with clinically probable MSA
- Designed to de-risk clinical development program
- Identify biomarkers to improve accuracy of patient selection

Phase 2

ATH434-201

Randomized double-blind placebo-controlled trial

Results: clinically meaningful efficacy on MSA rating scale, measures of orthostatic hypotension, disease severity

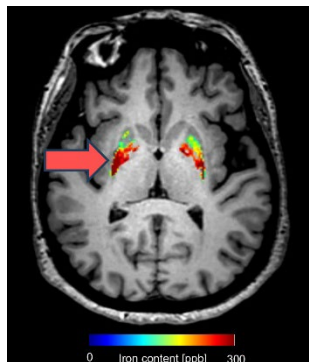
ATH434-202

Open label trial in advanced MSA patients

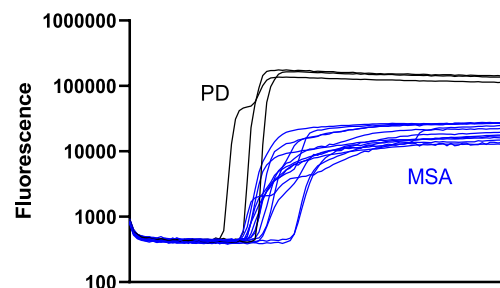
Results: showed improved neurological symptoms in more advanced patients and favorable safety

Optimized patient selection in Phase 2 trials

Advanced MRI methods



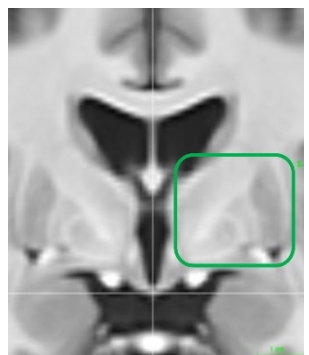
α -synuclein SAA in CSF



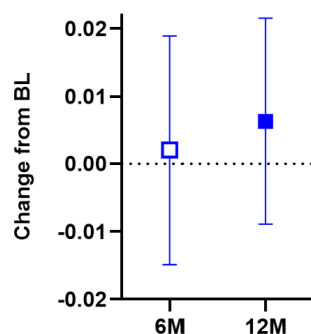
- ✓ Identified "iron signature" of early MSA
- ✓ Differentiated MSA from Parkinson's disease (PD)
- ✓ Revised selection criteria in ATH434-201 and ATH434-202 protocols to exclude PD patients

Precision biomarker assessment

Structural mapping



Iron content in pallidum



- ✓ Improved precision of volume measurements
- ✓ Novel strategies for measuring brain iron in individual regions
- ✓ State of the art methods enabled precise measurements of brain iron and volume with MRI

ATH434-201: Randomized, double-blind, placebo-controlled study

ATH434-201

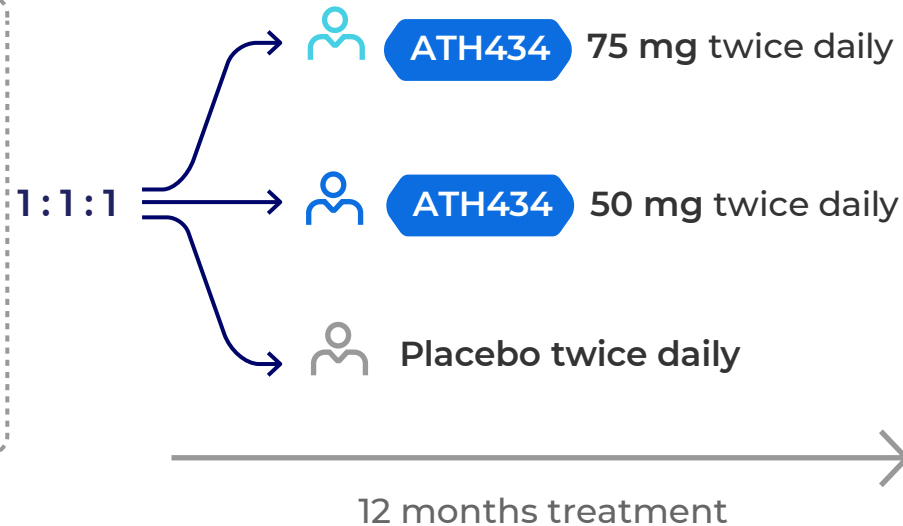
Patient criteria:



N = 77

- Clinical diagnosis of MSA
- Motor symptoms ≤4 years
- No severe impairment
- Elevated brain iron on MRI
- Elevated plasma NfL

Study design:



Endpoints:



Key clinical endpoint:
MSA Rating Scale



Additional secondary endpoints:
CGI-S, OHSA, Wearable Sensors,
Safety



Key biomarker endpoint:
brain iron content by MRI

Importance of the Unified MSA Rating Scale Part I (UMSARS I)

ATH434-201

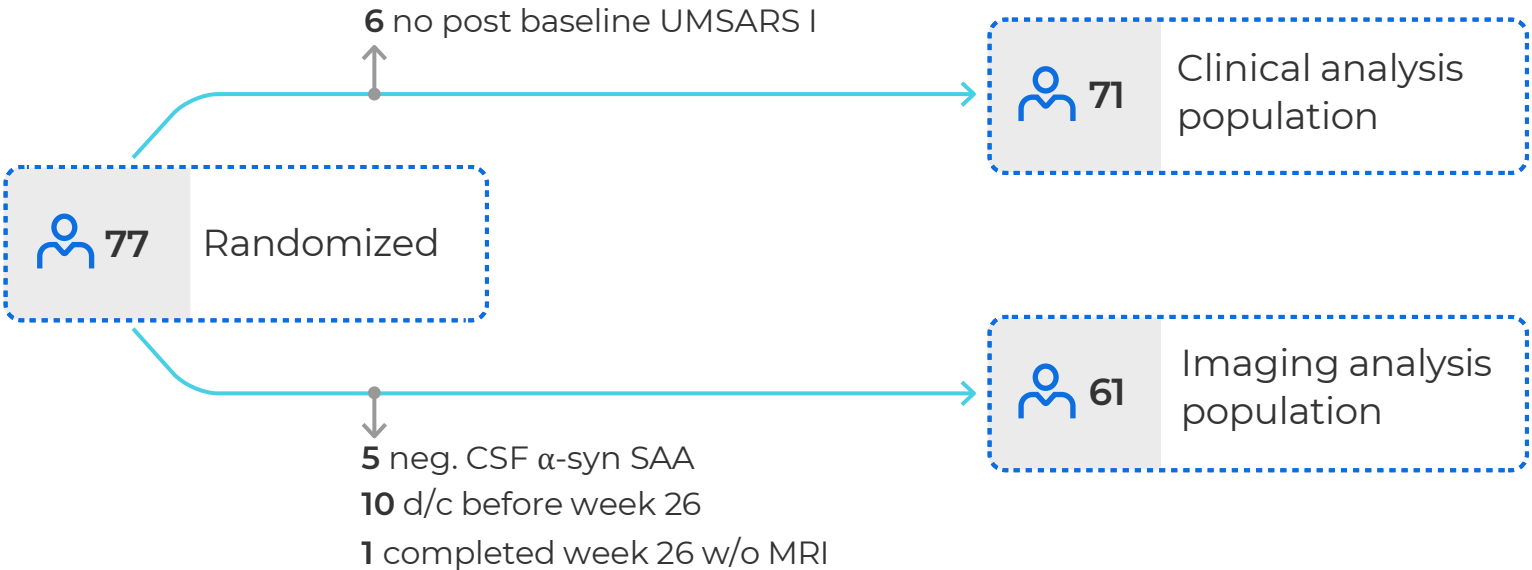
UMSARS Part I Items:

- | | |
|------------------------------------|--|
| ☐ Speech | ☐ Walking |
| ☐ Swallowing | ☐ Falling |
| ☐ Handwriting | ☐ Orthostatic symptoms |
| ☐ Cutting food | ☐ Urinary function |
| ☐ Dressing | ☐ Bowel function |
| ☐ Hygiene | ☐ Sexual function^ |

Rated from 0 to 48
higher scores worse

**UMSARS is the
FDA endorsed
clinical endpoint
to support
approval for the
treatment of MSA**

Validated rating scale to assess MSA disease severity
Rates functional impairment in domains affected in MSA



Endpoint	Change from BL to week 52	Population
Biomarker (Primary)	Iron content in s. nigra by MRI	Imaging
Clinical (Key secondary)	Change in Modified UMSARS Part I	Clinical

Baseline characteristics

ATH434-201

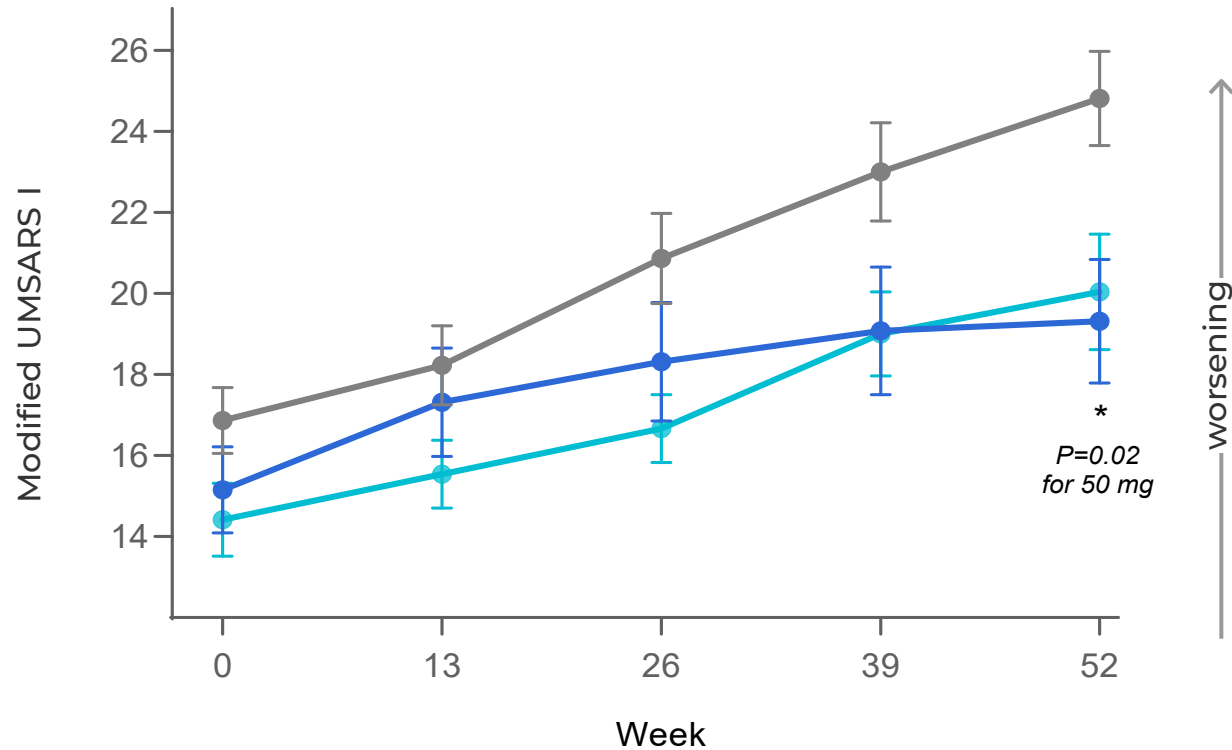
	Placebo	ATH434-201 50 mg twice daily	ATH434-201 75 mg twice daily
	 N=22	 N=25	 N=24
Age (y)	61.3 (6.6)	63.1 (6.1)	63.9 (6.7)
Gender (% male)	63.6%	52.0%	62.5%
Duration of motor symptoms (y)	2.5 (0.8)	2.6 (0.8)	2.3 (0.9)
Modified UMSARS I	16.9 (3.9)	15.2 (5.4)	14.4 (4.4)
Motor score of Parkinson plus scale ¹	57.6 (14.2)	47.8 (18.4)	48.9 (16.8)
Plasma NfL (pg/mL)	34.9 (12.5)	31.1 (9.1)	32.3 (9.0)
CSF aggregating α -syn SAA (+)	91%	92%	96%
OH symptom assessment	13.5 (9.8)	13.8 (13.2)	15.0 (12.2)
Clinical phenotype: MSA-P (%)	59.1%	60.0%	70.8%
Severe orthostatic hypotension	4.5%	4.0%	29.2% 

Groups balanced at baseline except for severe orthostatic hypotension – a predictor of rapid disease progression

Clinically significant efficacy on modified UMSARS Part I

Change from baseline to week 52

ATH434-201

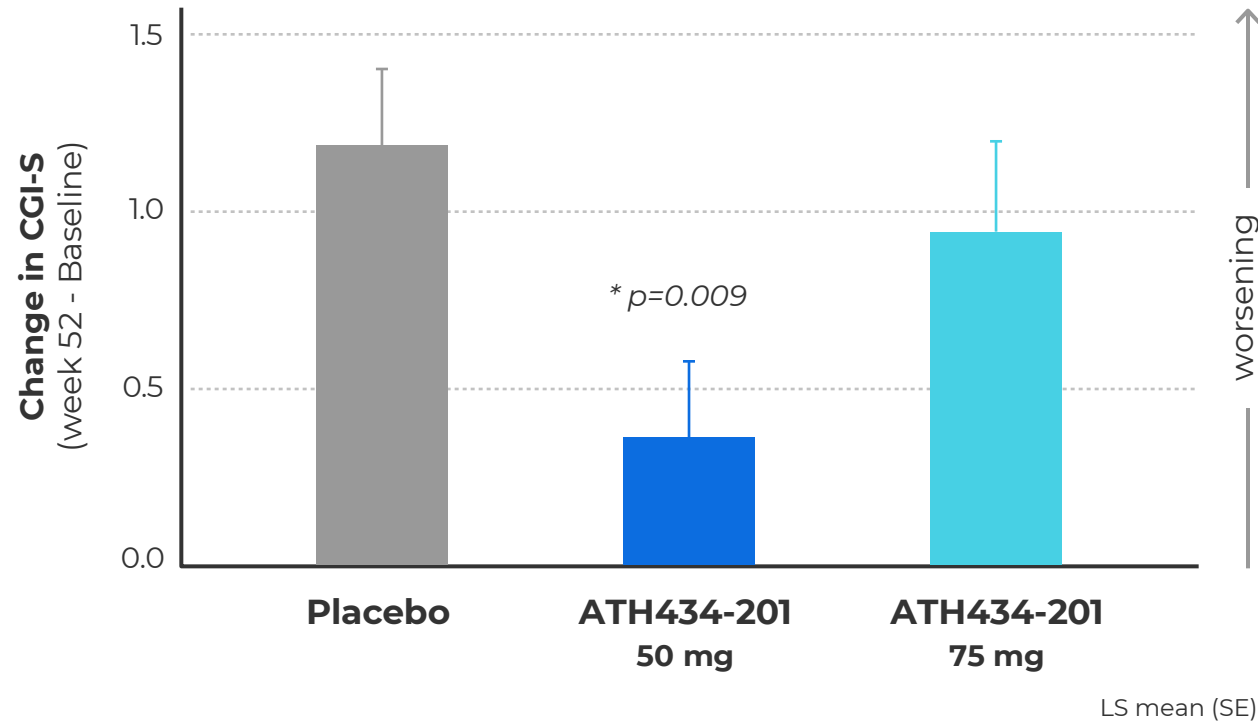


Placebo N=22	Difference vs. placebo LS mean (SE)	Relative treatment effect
ATH434 50 mg N=25	- 3.8 (1.6)	48%
ATH434 75 mg N=24	- 2.4 (1.7)	30%

Minimal clinically important difference (MCID) on UMSARS I = - 1.5 points

Efficacy on Clinical Global Impression of Severity (CGI-S) scale Change from baseline to week 52

ATH434-201

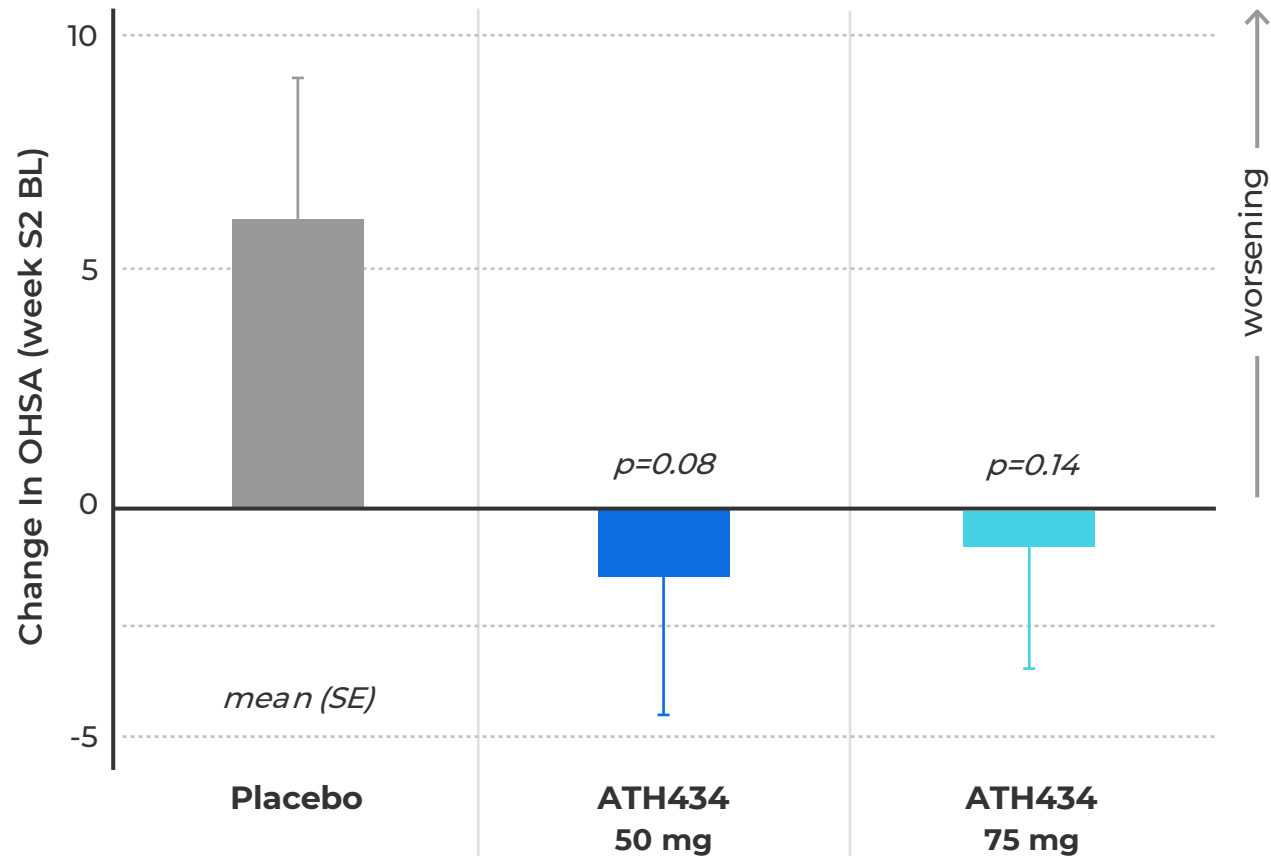


- CGI-S
 - 7-point scale
 - higher score indicates a worse outcome
- Assesses total picture over prior 28 days
 - illness severity, impact of illness on function, level of distress and any other aspects of impairment

Orthostatic Hypotension Symptom Assessment (OHSA)

Change from baseline to week 52

ATH434-201

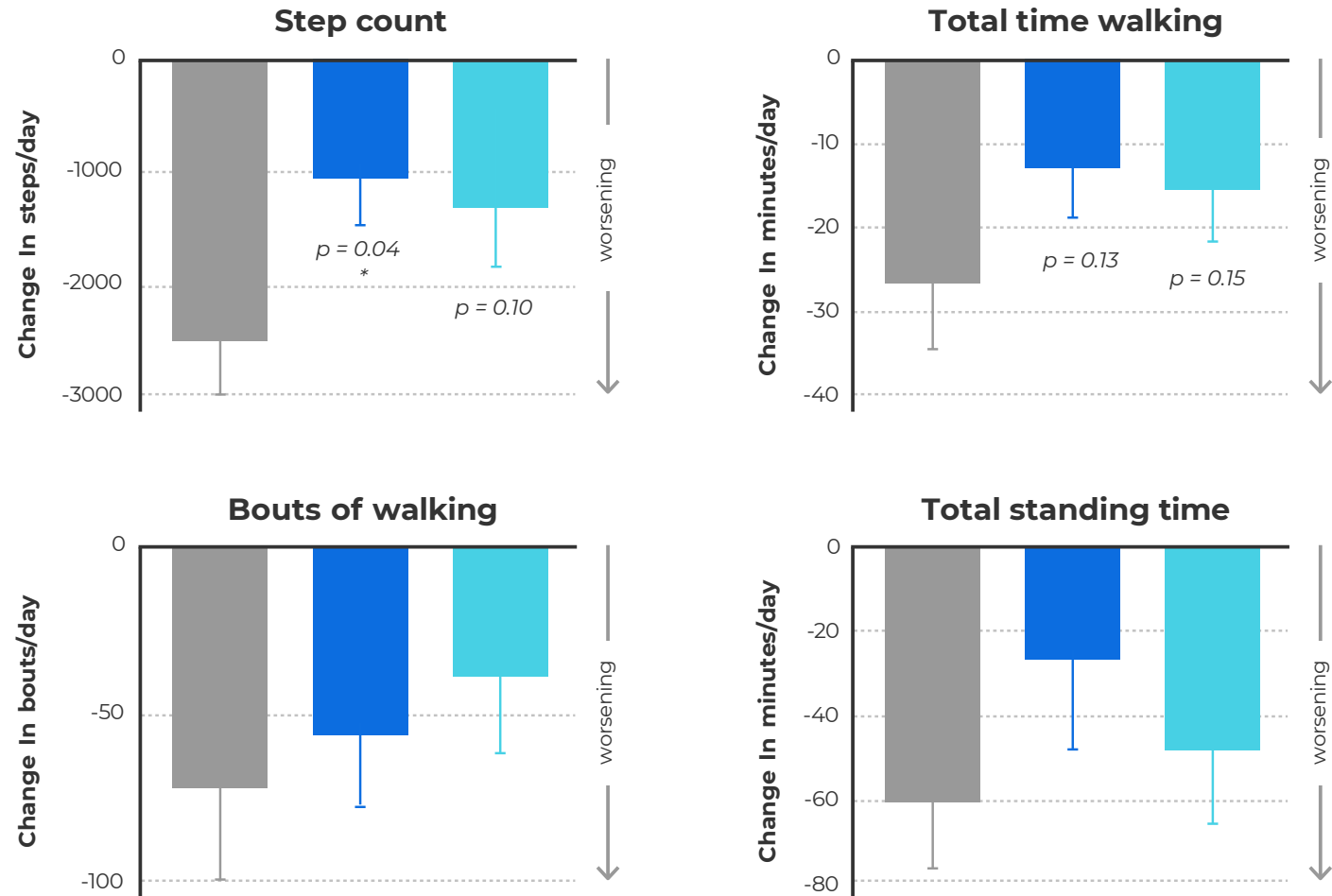


- Assesses symptoms of low blood pressure when going from sitting to standing (e.g., dizziness / feeling faint / lightheadedness)
- Patient reported outcome

ATH434 preserved walking in outpatient setting

Change from baseline to week 52

ATH434-201



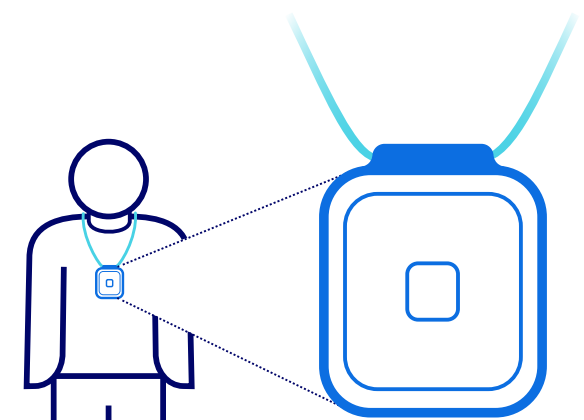
Placebo

ATH434-201
50 mg

ATH434-201
75 mg

Pendant

Wearable movement sensor



Adverse Events

	Placebo twice daily  N=26	ATH434-201 50 mg  N=25	ATH434-201 75 mg  N=26
N (%) of subjects ¹			
Any Adverse Event (AE)	24 (92.3%)	21 (84.0%)	25 (96.2%)
UTI	14 (53.8%)	10 (40.0%)	7 (26.9%)
Fall	8 (30.8%)	7 (28.0%)	8 (30.8%)
Covid-19	1 (3.8%)	6 (24.0%)	4 (15.4%)
Fatigue	2 (7.7%)	1 (4.0%)	5 (19.2%)
Back pain	1 (3.8%)	3 (12.0%)	2 (7.7%)
Severe AEs ²	8 (30.8%)	3 (12.0%)	6 (23.1%)
Serious AEs ²	10 (38.5%)	5 (20.0%)	7 (26.9%)

- Similar rates of AEs in ATH434 and placebo participants
- No severe or serious AEs related to study drug
- No hematologic side effects

1 - Reporting one or more event
2 - None related to Study Drug

Neuroimaging showed target engagement and trends in reduced atrophy

ATH434-201

Reduced Iron Accumulation on MRI

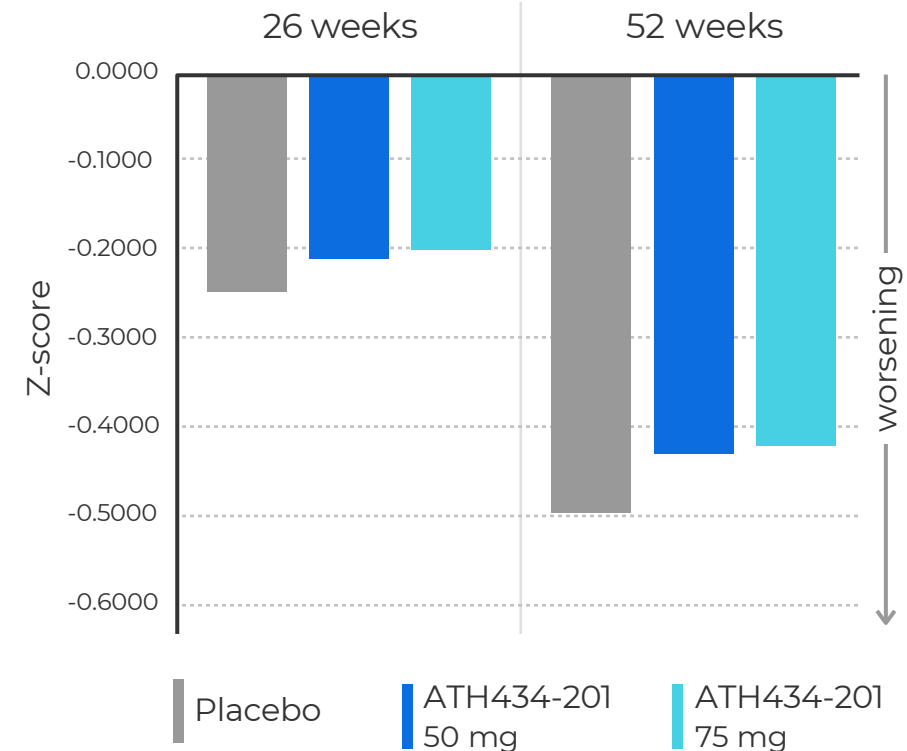
Region	50 mg		75 mg	
	Week 26	Week 52	Week 26	Week 52
Pallidum	↓	↓ [¶]	↓	↓
Putamen	↓ [^]	↓	↔	↔
S. nigra	↔	↓	↔	↔

Compared to placebo: ↓ Iron content, ↔ No observable difference, [^]p = 0.03, [¶]p = 0.08

ATH434 demonstrated target engagement on reducing iron on MRI

- Reduced/stabilized iron content in Pallidum (GP) > Putamen
- Reduced iron content in s. nigra at 50 mg dose but not 75 mg (primary endpoint)

Change in Brain Volume*



ATH434 showed trends in preserving brain volume

Design	Single arm, open-label
Objective	Assess safety and efficacy in advanced MSA
Population	Advanced MSA (n=10)
Treatment	ATH434 75 mg BID x 12 months
Brain MRI Biomarkers	Volume, Iron
Key Clinical Measure	UMSARS I

Outcomes:

- ✓ Comparable efficacy observed at same dose in double blind study
- ✓ No serious Adverse Events (AEs) related to study drug
- ✓ AEs consistent with underlying disease

The study indicates the potential of ATH434 to slow disease progression in advanced MSA

Carefully designed Phase 2 program demonstrates potential for ATH434 in MSA

ATH434 demonstrated clinically significant efficacy in slowing disease progression in MSA



Both dose levels efficacious on UMSARS I and important secondary endpoints



Demonstrated target engagement with reduced iron accumulation in MSA affected brain regions



Stabilized orthostatic hypotension, one of the most challenging MSA symptoms to manage



Preserved walking in outpatient setting as measured with objective digital biomarker



Open-label trial showed comparable safety and efficacy in advanced MSA



No safety signals and well-tolerated
No serious AEs related to study drug

Proposed Phase 3 trial design

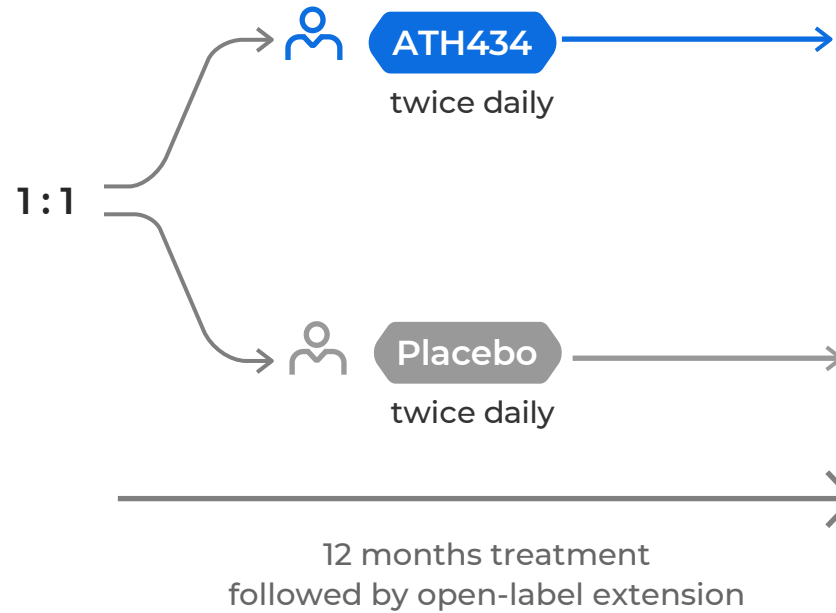
Patient criteria:



N = ~200

- Clinical diagnosis of MSA
- Ambulatory without assistance
- No severe impairment
- Brain atrophy in MSA affected regions on MRI

Study design:



Endpoints:



Primary endpoint:

MSA Rating Scale (UMSARS I)
FDA endorsed clinical endpoint



Secondary endpoints:

OHSA, Wearable Sensors,
Brain Volume by MRI, Safety

- Expect to finalize Phase 3 program based on end-of-Phase 2 FDA feedback mid-year then initiate trial activities by YE 2026
- Orphan Drug Designation and Fast Track Designation provide valuable support

The background is a solid blue color with a repeating pattern of white, rounded, diamond-like shapes. These shapes are arranged in a staggered grid, with some appearing as outlines and others as solid white shapes.

Commercial assessment & corporate overview

Independent commercial assessment in MSA

Target product profile based on positive Phase 2 data



Strong Intent to Prescribe

Over 70% of neurologists were “extremely likely” or “very likely” to prescribe ATH434 based on its profile



Substantial Unmet Need

Severely debilitating illness with no approved treatment ripe for new entrants

Critical need for a tolerable, disease modifying therapy



Targeted Mechanism of Action

Importance of inhibiting α -synuclein aggregation to address the underlying pathology of disease



Efficacy is the Key Driver

Slowing disease progression is key driver of physician interest

Stabilizing orthostatic hypotension[^], one of the most challenging symptoms in MSA, strongly positions ATH434

USD \$2.4 Billion

Potential worldwide annual peak sales for ATH434 in MSA

Key Objectives for 2026

The Foundation is Set

- Robust efficacy in Phase 2 study in MSA, a rapidly progressive rare disease with no approved treatment
- Commercial assessment supports significant opportunity: USD \$2.4B potential peak sales
- Moving into Phase 3 program led by an accomplished team with multiple FDA approvals in neurology
- Cash Balance of A\$49.2M as of 31 December 2025

Finalize Regulatory Strategy

- **Align with U.S. FDA on pivotal Phase 3 clinical trial protocol**
 - Conduct meetings related to non-clinical data and chemistry/manufacturing
 - End of Phase 2 meeting mid-year

Phase 3 Preparations

- **Commence trial preparation activities**
 - Clinical site identification and qualification
 - Manufacture and packaging of clinical drug supply

Build for Scalable Growth

- **Expand intellectual property protection**
 - Evaluate additional high-value indications to grow the pipeline
 - Strengthen the team to enhance organizational capabilities

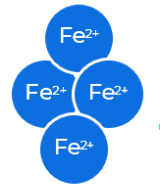
ASX: ATH
NASDAQ: ATHE





| APPENDIX

Inadequately chaperoned cellular iron drives MSA pathology



Promotes α -synuclein cross linking¹

Directly increases α -synuclein translation²

ODG toxicity due to limited endogenous glutathione³

Free radicals promote α -synuclein aggregation⁴

Impaired lysosomal autophagy⁵

The Relevance of Iron in the Pathogenesis of Multiple System Atrophy: A Viewpoint

Christine Kaindlstorfer, Kurt A Jellinger, Sabine Eschlböck, Nadia Stefanova, Günter Weiss, Gregor K Wenning

Iron converts native α -SYN into a β -sheet conformation and promotes its aggregation either directly or via increasing levels of oxidative stress.

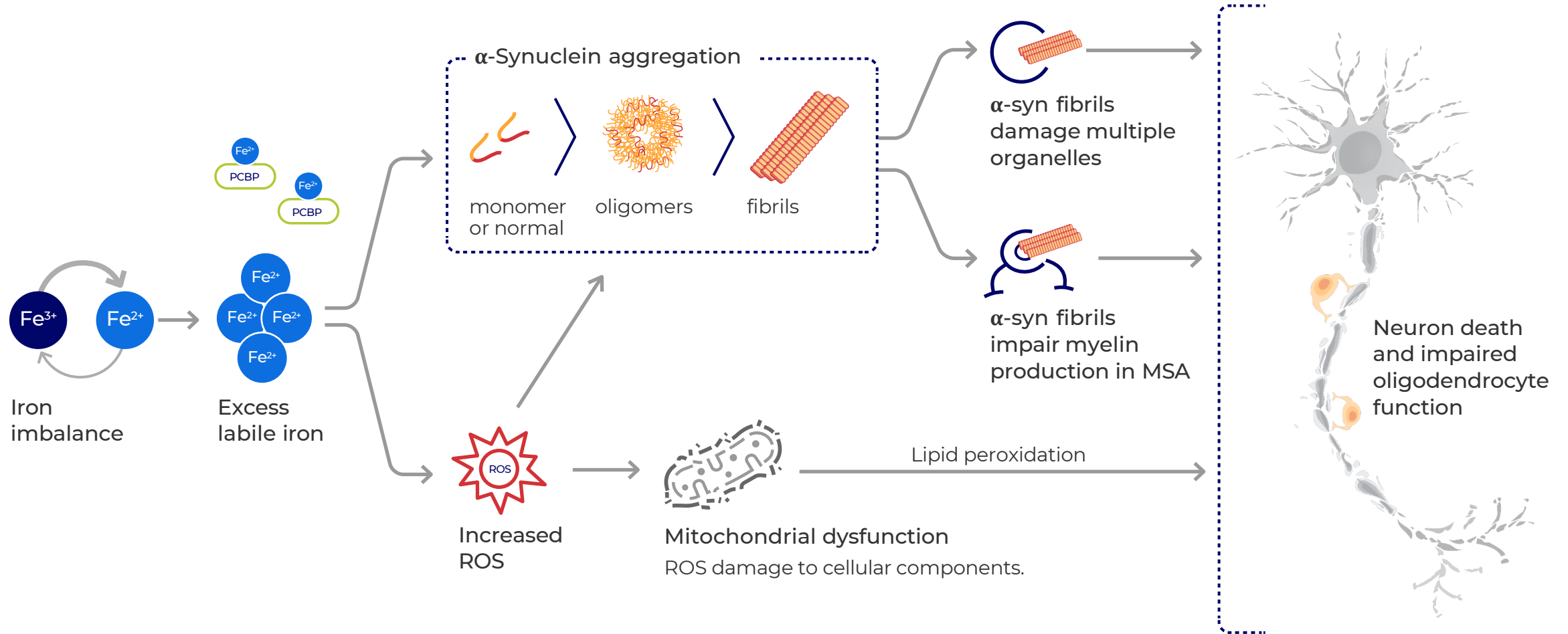
The disturbance of iron homeostasis leads to abnormal iron deposition in the brain and causes neurotoxicity via generation of free radicals and oxidative stress.

The Irony of Iron: The Element with Diverse Influence on Neurodegenerative Diseases

Seojin Lee, Gabor G Kovacs

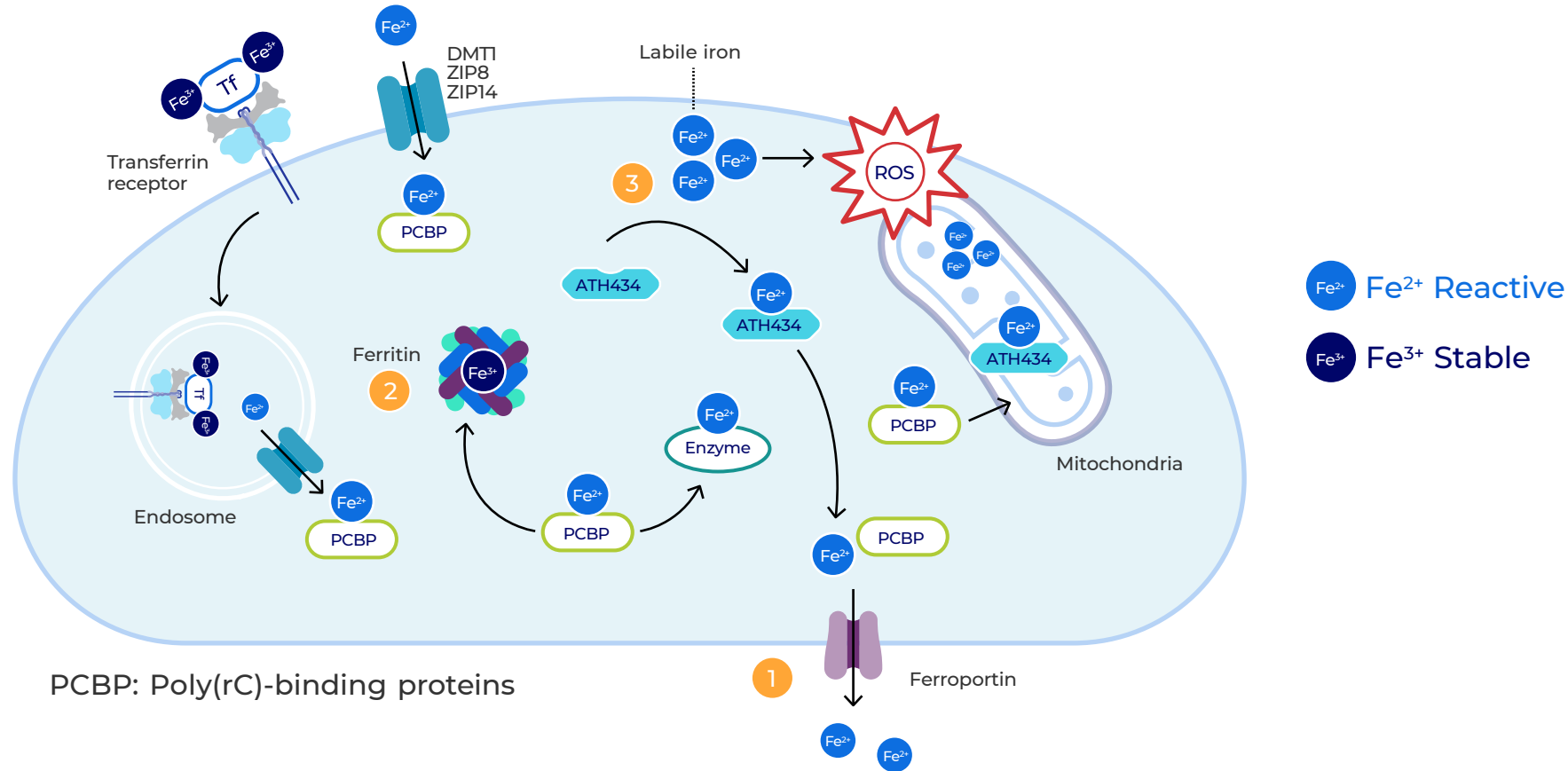
The close association of iron accumulation with distinct α -synuclein pathology-related anatomical regions of the two disease subtypes supports the critical involvement of pathological iron in disease progression and further suggests the two disease subtypes as distinct pathological identities in relation to disease pathogenesis.

Excess labile iron is the key driver of pathology causing α -synuclein aggregation and oxidative injury



ATH434 mechanism of action: Iron chaperone

ATH434 chaperones excess labile (reactive) iron to reduce neuronal injury



Chaperone mechanisms:

- 1 Efflux iron from cell (ferroportin)
- 2 Increase iron storage (ferritin)
- 3 Buffering Fe^{2+} in labile iron pool

Parameter	ATH434-202 75 mg BID  N=10	ATH434-201 75mg BID  N=24
Age (yr)	64.5 (7.5)	63.9 (6.7)
Duration of motor symptoms (yr)	3.9 (1.8)	2.3 (0.9)
Modified UMSARS I ¹	19.2 (5.3)	14.4 (4.4)
Motor score of Parkinson Plus Scale2	57.5 (20.4)	48.9 (16.8)
Plasma NfL (pg/mL)	42.1 (14.1)	32.3 (9.0)
OH Symptom Assessment	16.7 (14.8)	15.0 (12.2)
Severe Orthostatic Hypotension	40.0%	29.2%
Mean (SD)		

Key objective was to assess efficacy and safety of ATH434 75 mg dose for comparison to 75 mg dose in 201 double-blind study

¹ MSA affected areas by MSA-atrophy index. Trujillo, P. et al Annals of Clin and Trans Neuro, 2025

ATH434-202: Key data at 75 mg dose

Comparison to double blind study at 12 mo

Change over 12 Months	ATH434-202 75 mg BID  N=10	ATH434-201 75mg BID  N=24
Modified UMSARS I	3.5 (4.7)	5.6 (5.6)
Clinical global impression of change (% stable)	30%	21%
Patient global impression of change (% stable)	30%	26.4%
Brain volume ¹	-0.44 (0.14)	-0.42 (0.29)
	Mean (SD)	

The 75 mg dose demonstrated comparable efficacy to that observed in the double-blind study

- No serious AEs related to study drug
- AEs consistent with underlying disease

¹In MSA affected areas by MSA-atrophy index. Trujillo, P. et al. Annals of Clin and Trans Neuro, 2025