

*The primary source of TTR production is the liver, and TTR knockdown was first measured in the serum at 6 weeks in HELIOS-B.^{7,8} Demonstrated in the overall population, HR=0.72 (95% CI: 0.55-0.93); p=0.01.1

Demonstrated in the overall population, HR=0.645 (95% CI: 0.463-0.898); p=0.0098.6

6-MWT=6-minute walk test; ACM=all-cause mortality; ATTR-CM=cardiomyopathy of transthyretin-mediated amyloidosis; CI=confidence interval; CV=cardiovascular; HR=hazard ratio; KCCQ-OS=Kansas City Cardiomyopathy Questionnaire-Overall Summary; OLE=open-label extension; TTR=transthyretin.

Indication

AMVUTTRA® (vutrisiran) is indicated for the treatment of the cardiomyopathy of wild-type or hereditary transthyretin-mediated amyloidosis (ATTR-CM) in adults to reduce cardiovascular mortality, cardiovascular hospitalizations and urgent heart failure visits.

Important Safety Information

Reduced Serum Vitamin A Levels and Recommended Supplementation

AMVUTTRA treatment leads to a decrease in serum vitamin A levels. Supplement with the recommended daily allowance of vitamin A.

Please see additional <u>Important Safety Information</u> on page 17 and full <u>Prescribing Information</u>.

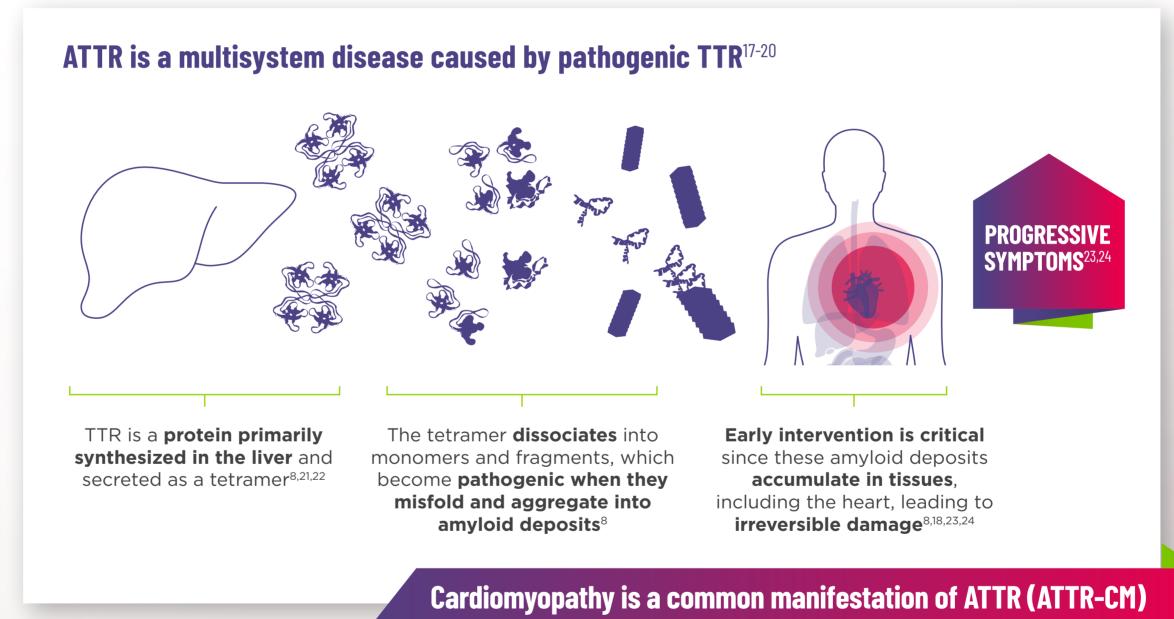
In a randomized study of a contemporary patient population with ATTR-CM, AMVUTTRA demonstrated benefits compared

- 28% reduction in risk of ACM and recurrent CV events through 33-36 months^{1†}
- 36% reduction in risk of ACM through 42 months, which included up to 6 months of OLE data^{5,6‡}
- Preserved functional capacity and quality of life at 30 months, as measured by 6-MWT and KCCQ-OS score, respectively^{1,4}
- Consistent results across all prespecified subgroups^{1,4}

ATTR is a progressive and fatal disease⁹

Starting treatment at diagnosis is key to delaying disease progression¹⁰

- Transthyretin-mediated amyloidosis (ATTR) is an underdiagnosed, progressive, debilitating, and fatal disease⁹
- Patients with ATTR may be diagnosed 3 to 8 years after symptom onset^{9,11,12}
- If left untreated, the median survival for patients with ATTR is 2.5 to 5.5 years post-diagnosis¹³⁻¹⁶

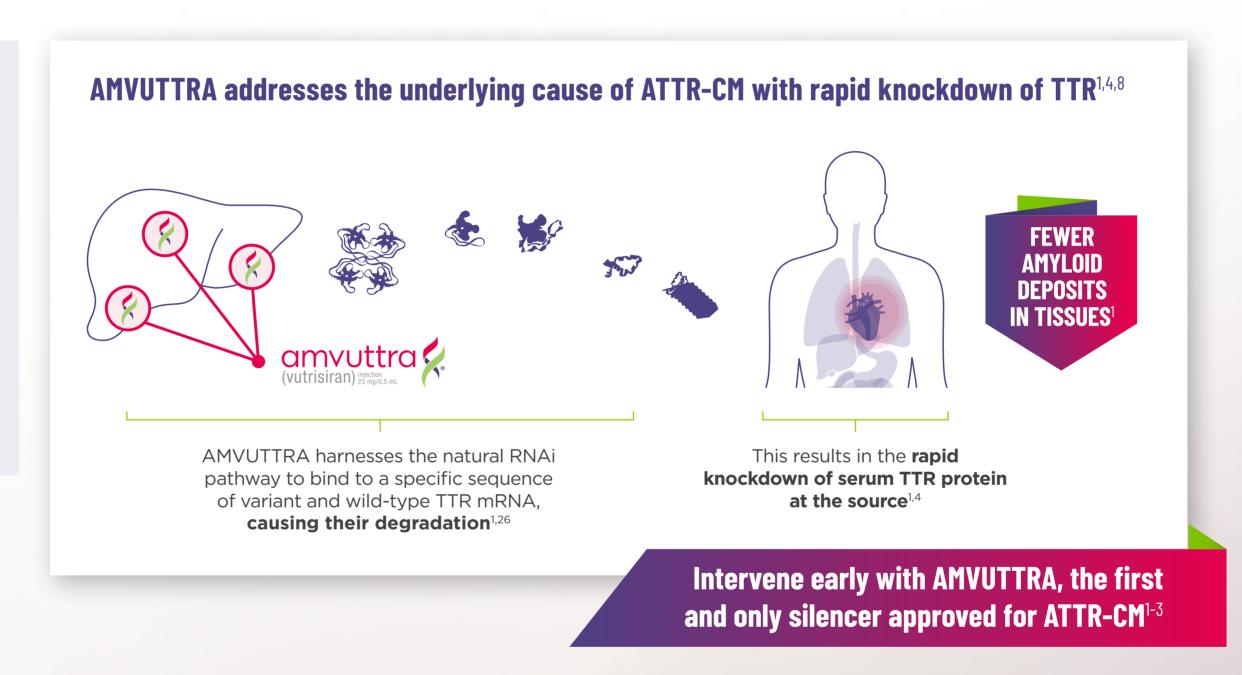


Cardiomyopathy is a common manifestation of ATTR (ATTR-CM) that may lead to heart failure; musculoskeletal manifestations, polyneuropathy, and other symptoms may also present. 18,20,25



Suppress TTR production at the source with AMVUTTRA®1

- AMVUTTRA is formulated for targeted delivery to the liver, the primary source of TTR production^{1,8}
- AMVUTTRA deploys the body's natural silencing complex to act upstream of tetramer formation^{1,26}



mRNA=messenger RNA; RNAi=ribonucleic acid interference.

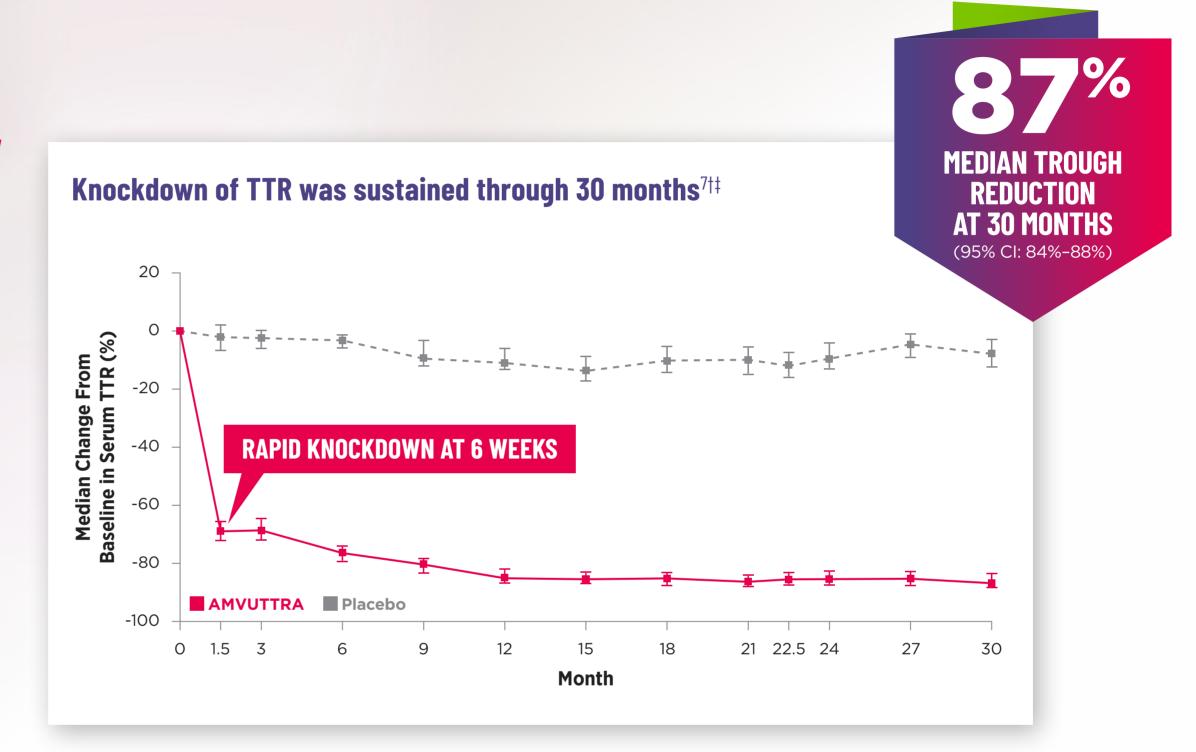
Indication

AMVUTTRA® (vutrisiran) is indicated for the treatment of the cardiomyopathy of wild-type or hereditary transthyretin-mediated amyloidosis (ATTR-CM) in adults to reduce cardiovascular mortality, cardiovascular hospitalizations and urgent heart failure visits.

AMVUTTRA® delivered **RAPID KNOCKDOWN** of TTR as early as 6 weeks4,7**

A similar reduction in TTR levels was observed regardless of baseline tafamidis use, disease type (wtATTR or hATTR), sex, age, weight, or race.¹

In the HELIOS-B pivotal trial, serum TTR was evaluated in patients with ATTR-CM treated with 25 mg of AMVUTTRA via subcutaneous injection once every 3 months.¹



^{*}TTR knockdown was first measured in the serum at 6 weeks in HELIOS-B.7

~3 years of real-world patient experience for hATTR-PN¹⁹

Important Safety Information

[‡]Bars indicate 95% confidence intervals.⁷

Reduced Serum Vitamin A Levels and Recommended Supplementation

AMVUTTRA treatment leads to a decrease in serum vitamin A levels.

Supplementation at the recommended daily allowance (RDA) of vitamin A is advised for patients taking AMVUTTRA. Higher doses than the RDA should not be given to try to achieve normal serum vitamin A levels during treatment with AMVUTTRA, as serum vitamin A levels do not reflect the total vitamin A in the body. Patients should be referred to an ophthalmologist if they develop ocular symptoms suggestive of vitamin A deficiency (e.g., night blindness).

[†]TTR knockdown level is demonstrated through serum TTR reduction.¹

[¶]AMVUTTRA received approval for the treatment of the polyneuropathy of hATTR amyloidosis in adults in June 2022. hATTR=hereditary ATTR; hATTR-PN=polyneuropathy of hereditary ATTR; wtATTR=wild-type ATTR.

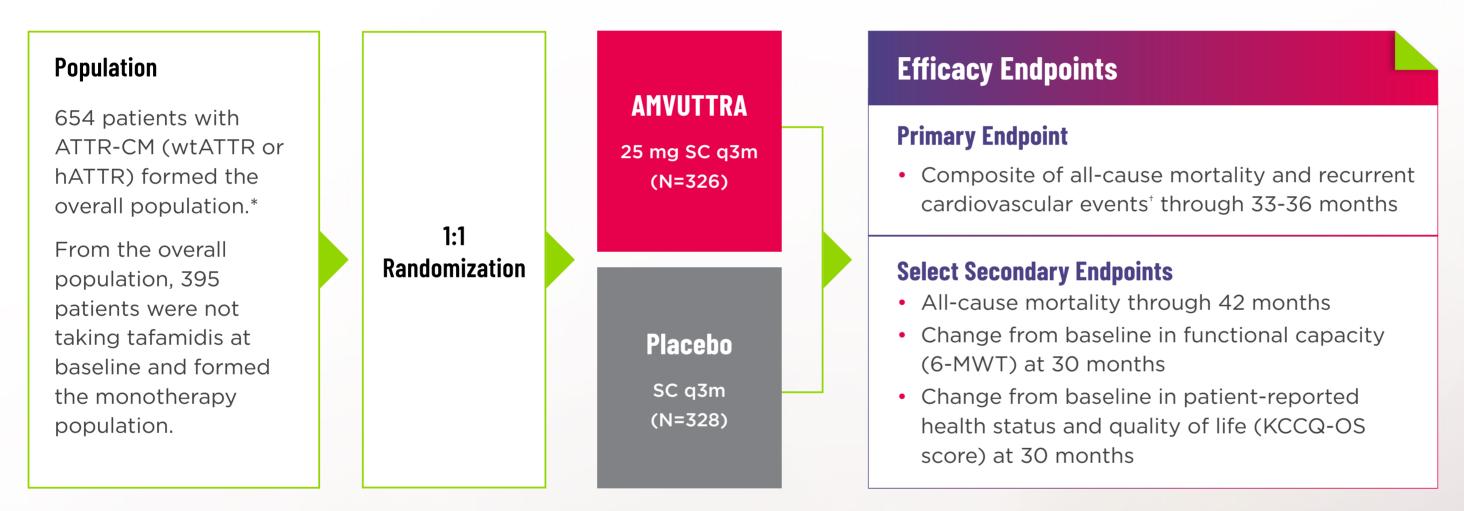


HELIOS-B was a landmark clinical trial establishing the efficacy and safety of AMVUTTRA® in ATTR-CM¹

STUDY

DESIGN

A Global, Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study^{1,4}



- Following the double-blind (DB) period of up to 36 months, patients on placebo were eligible to transition to AMVUTTRA in the open-label extension, which lasted up to 24 months⁴
- Randomization was stratified according to tafamidis use at baseline (with vs without), ATTR disease type (hereditary vs wild-type), and NYHA class and age at baseline (NYHA class I or II and age <75 years vs all others)¹

^{*}The overall population included patient cohorts with and without tafamidis use at baseline.1 [†]Cardiovascular events are defined as hospitalizations for cardiovascular causes or urgent visits for heart failure.¹ NYHA=New York Heart Association; q3m=every 3 months; SC=subcutaneous.



One of the **largest studies** with a **contemporary population** of patients with ATTR-CM^{2,4,27*}



HELIOS-B enrolled patients who were generally healthier than historical cohorts, as characterized by^{4,5}:

Earlier diagnoses

Less severe disease

Increased heart-failure management

~40% were on tafamidis at baseline

~30% started SGLT2 inhibitors during the double-blind period

~80% were on diuretics at baseline

The study population was typical of present-day patients with ATTR-CM⁴

Patient Characteristics at Baseline (Overall Population)⁵

	AMVUTTRA® N=326	Placebo N=328	
Median age at randomization, years (range)	77 (45-85)	76 (46-85)	
Male sex, n (%)	299 (92%)	306 (93%)	
wtATTR, n (%)	289 (89%)	289 (88%)	
Tafamidis use at baseline, n (%)	130 (40%)	129 (39%)	
Median duration of tafamidis use before start of trial, months (range)	9.2 (1.1-65.3)	11.3 (1.1-65.5)	
NYHA class, n (%)			
I	49 (15%)	35 (11%)	
II	250 (77%)	258 (79%)	
III	27 (8%)	35 (11%)	
Baseline 6-MWT, meters, mean (SD)	372.0 (103.7)	377.1 (96.3)	
Baseline KCCQ-OS, points, mean (SD)	73.0 (19.4)	72.3 (19.9)	
Baseline NT-proBNP, ng/L, median (IQR)	2021 (1138-3312)	1801 (1042-3082)	

^{*}Compared with other interventional pivotal studies for ATTR-CM.

IQR=interquartile range; NT-proBNP=N-terminal prohormone of brain-type natriuretic peptide; SD=standard deviation; SGLT2=sodium-glucose cotransporter-2.



AMVUTTRA® **significantly reduced** the risk of ACM and recurrent CV events¹

Primary Composite Endpoint Analysis Through 33-36 Months¹



Relative risk reduction

of ACM and recurrent CV events in the overall population (N=654)

[HR=0.72 (95% CI: 0.55-0.93); p=0.01]



Relative risk reduction of ACM and recurrent CV events

in the monotherapy population (N=395)

[HR=0.67 (95% CI: 0.49-0.93); p=0.02]

Components of the Composite^{1,7}

	Overall population (N=654)	Monotherapy population (N=395)
All-cause mortality Hazard ratio (95% CI) p-value	0.69 (0.49-0.98) 0.04	0.71 (0.47-1.06) 0.12
Recurrent CV events Hazard ratio (95% CI) p-value	0.73 (0.55-0.96) 0.03	0.67 (0.47-0.96) 0.03

The majority of deaths were CV-related (77%).1

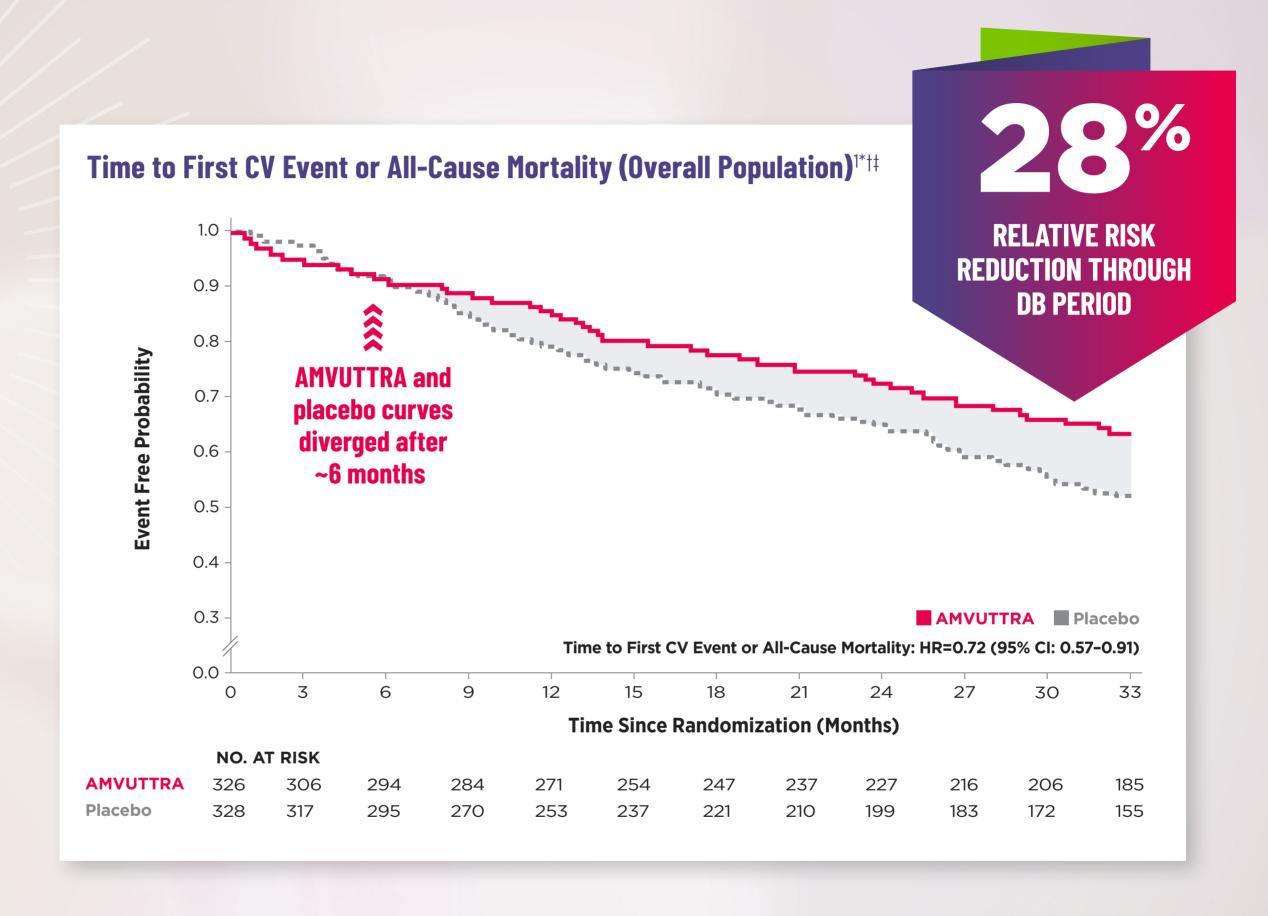
Analysis for components of the composite not adjusted for multiplicity.

Important Safety Information

Adverse Reactions

The most common adverse reactions (≥5%) were pain in extremity, arthralgia, dyspnea, and vitamin A decreased.

AMVUTTRA® significantly reduced the risk of ACM and recurrent CV events¹



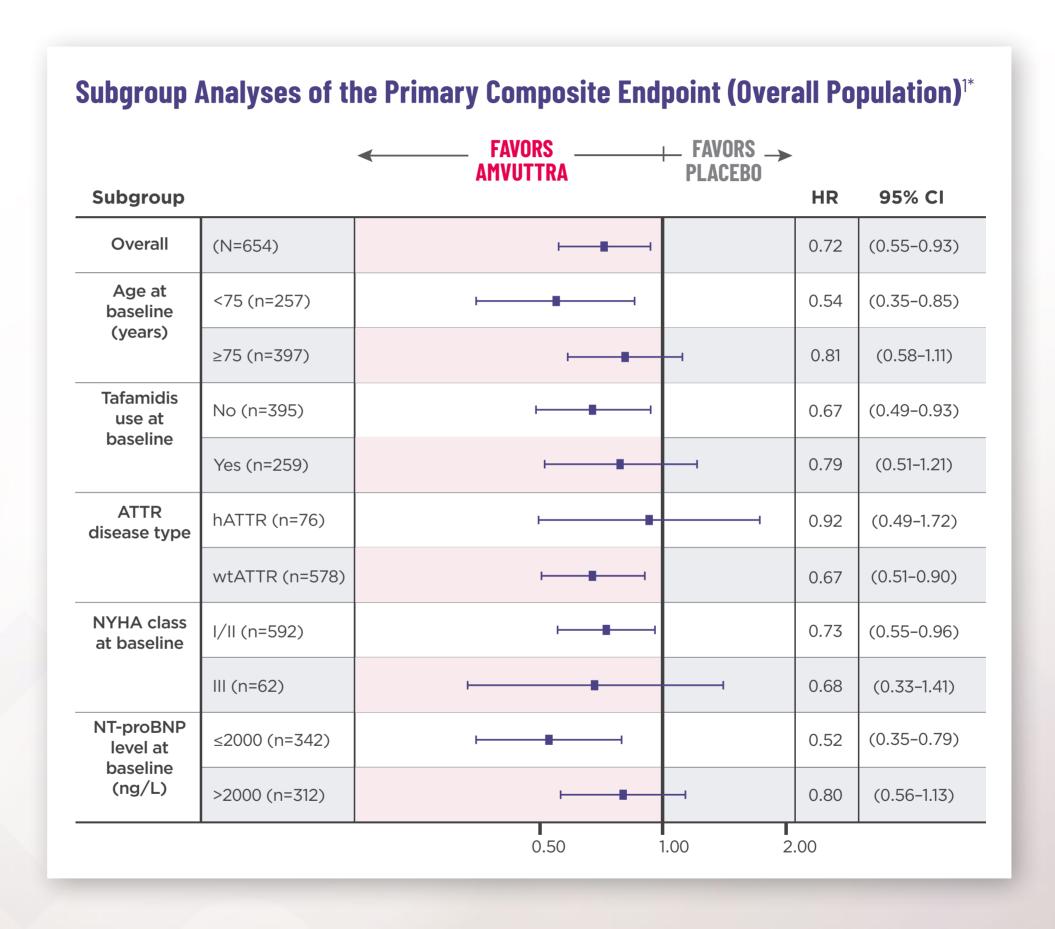
^{*}The Kaplan-Meier curves are unadjusted for baseline imbalances in disease-severity characteristics.1

^{&#}x27;Heart transplantation and left ventricular assist device placement are treated as death. HR and 95% CI are based on a Cox proportional-hazards model.1

[‡]Data were censored at each patient's first dose in the OLE, which could occur at approximately 33 or 36 months, depending on the patient's enrollment time. For patients who did not enter the OLE, data were censored at their study discontinuation date.⁵



AMVUTTRA® achieved consistent results across all prespecified subgroups¹

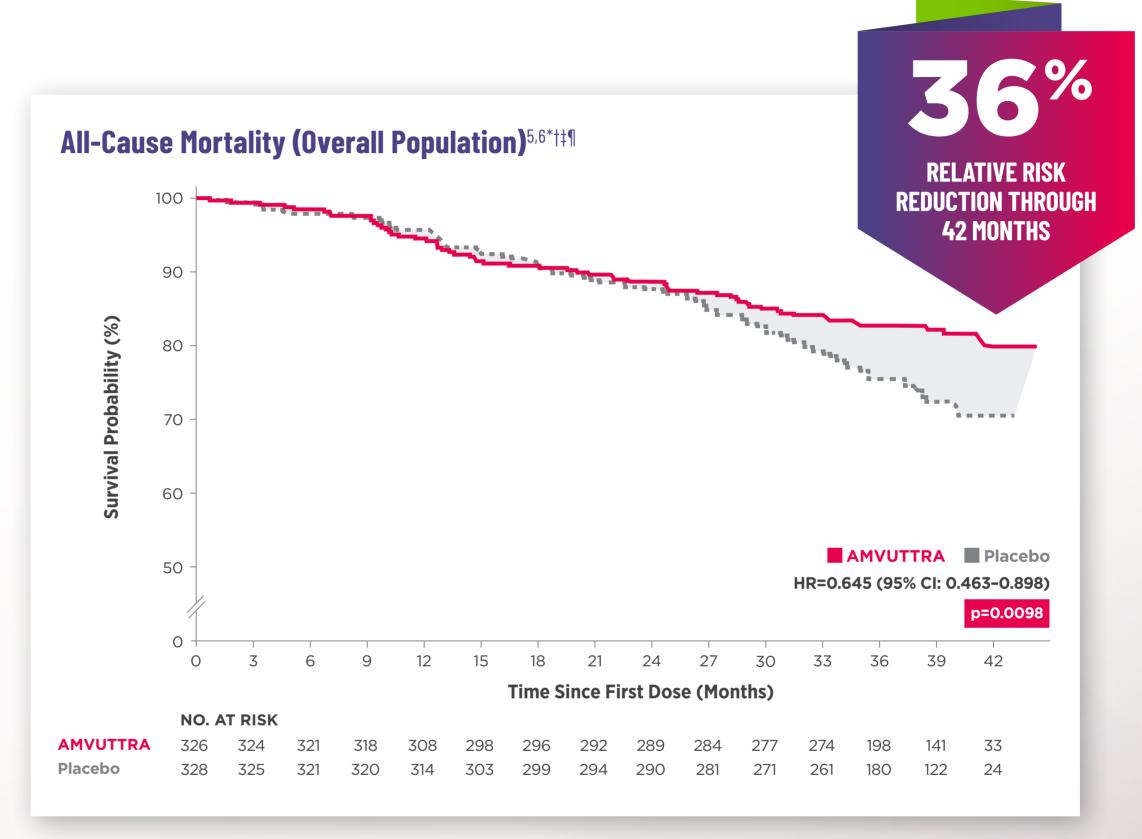


Subgroup analyses may be limited by small patient numbers and are not powered to detect statistical significance.

AMVUTTRA® significantly reduced the risk of ACM⁵

A key secondary endpoint was all-cause mortality through 42 months, which included up to 36 months of the DB period plus 6 months of the openlabel extension.⁵

At the end of the DB period, all remaining patients on placebo transitioned to AMVUTTRA treatment in the OLE.⁵



^{*}The Kaplan-Meier curves are unadjusted for baseline imbalances in disease-severity characteristics.5

Important Safety Information

Reduced Serum Vitamin A Levels and Recommended Supplementation

AMVUTTRA treatment leads to a decrease in serum vitamin A levels.

Supplementation at the recommended daily allowance (RDA) of vitamin A is advised for patients taking AMVUTTRA. Higher doses than the RDA should not be given to try to achieve normal serum vitamin A levels during treatment with AMVUTTRA, as serum vitamin A levels do not reflect the total vitamin A in the body. Patients should be referred to an ophthalmologist if they develop ocular symptoms suggestive of vitamin A deficiency (e.g., night blindness).

[†]Heart transplantation and left ventricular assist device placement are treated as death.⁴

[‡]For patients in both treatment arms, survival time was censored 6 months after the first dose in the OLE period.⁵

[¶]Analysis conducted in 2024.

Significant benefit observed in **functional capacity** and **quality of life** for patients treated with AMVUTTRA® compared with placebo^{1,4}

Secondary Endpoints: 6-MWT and KCCQ-OS Change From Baseline at 30 Months (Overall Population)^{1,7*†}

	AMVUTTRA (N=326)	Placebo (N=328)
6-MWT (meters)		
Change from baseline to Month 30, LS mean (SE)	-50 (5)	-72 (5)
Treatment difference from placebo, LS mean (95% CI) p-value	22 (8-35) 0.002	
KCCQ-OS (points)		
Change from baseline to Month 30, LS mean (SE)	-10 (1)	-15 (1)
Treatment difference from placebo, LS mean (95% CI) p-value	6 (2- 0.00	

- Healthy adults without ATTR-CM experience a natural decline in 6-MWT of 5-6 meters per year²⁸
- A 5-point change in KCCQ-OS

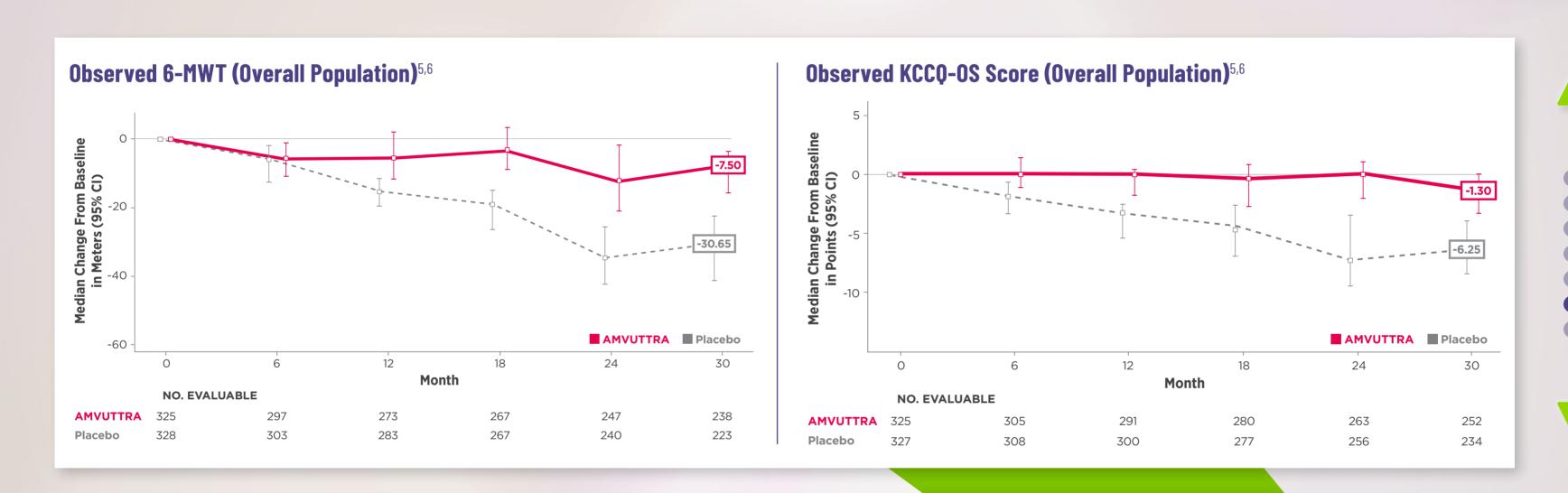
 (a measure of health status and health-related QoL)
 is considered clinically meaningful²⁹

Analyses include estimates for missing data (imputed data) to account for death or inability to walk (for 6-MWT only).

^{*6-}MWT assesses functional capacity by measuring distance walked over a period of 6 minutes. A decrease in the distance walked indicates a decline in functional capacity.³⁰

The KCCQ is a 23-item, self-administered questionnaire that measures the patient's perception of health status within a 2-week recall period (scoring on KCCQ-OS: 0 to 100, with a higher score indicating better quality of life). LS=least squares; QoL=quality of life; SE=standard error.

Patients receiving AMVUTTRA® maintained relative stability in functional capacity and quality of life⁵



Patients treated with AMVUTTRA maintained relative stability in their functional capacity and health-related QoL at 30 months compared to their pre-treatment baselines.⁵

Median changes reflect observed data that were directly measured, not estimated. Statistical testing was not conducted.

Important Safety Information

Adverse Reactions

The most common adverse reactions (≥5%) were pain in extremity, arthralgia, dyspnea, and vitamin A decreased.



AMVUTTRA® has an **established safety** and tolerability profile in adults¹

The safety and tolerability of AMVUTTRA were established in a study of adult patients with hATTR-PN (HELIOS-A).1

Safety in HELIOS-A (hATTR-PN)¹

AMVUTTRA (N=122)
15
11
7
7

Safety in HELIOS-B (ATTR-CM)7

	AMVUTTRA (N=326)	Placebo (N=328)
Pain in extremity,* %	9	10
Arthralgia,* %	11	13
Dyspnea,* %	15	17

 In HELIOS-B, the frequency of pain in extremity, arthralgia, and dyspnea were similar to placebo⁷

Adverse reactions reported in at least 5% of patients treated with AMVUTTRA.¹

No new safety issues were identified in HELIOS-B¹

^{*}Comprised of several similar terms.1

[†]Percentage only reflects those reported as an adverse reaction.¹

AMVUTTRA® requires the **fewest doses** to treat ATTR-CM^{1,31,32}



Self-administered 1 capsule (once a day) Self-administered 2 tablets (twice a day) Table 1 capsule (once a day) Table 2 capsule (once a day) Table 3 capsule (once a day) Table 3 capsule (once a day) Table 3 capsule (once a day) Table 4 capsule (once a day) Table 4 capsule (once a day) Table 5 capsule (once a day) Table 5 capsule (once a day)

- AMVUTTRA offers confidence in monitoring patient compliance with HCP-administered doses¹
- AMVUTTRA offers flexibility to decide the best place to receive treatment—HCP administration may occur in an office, local clinic, or in the patient's home, if covered by insurance^{7*}

No head-to-head trials have been conducted. Conclusions about similarities and/or differences in clinical profiles cannot be drawn.

^{*}The decision to receive treatment at home should be made after an evaluation and recommendation by the physician who prescribed AMVUTTRA, and may not be covered by all insurance plans.

HCP=healthcare professional.



AMVUTTRA® delivers clinical benefits with only 4 doses per year¹

- The recommended dose of AMVUTTRA is 25 mg administered by subcutaneous injection once every 3 months by an HCP¹
- AMVUTTRA is provided as a fixed dose (25 mg/0.5 mL) prefilled syringe—no dose adjustments required¹
- If a dose is missed, administer AMVUTTRA as soon as possible. Resume dosing every 3 months from the most recently administered dose¹
- Injection site reactions may occur¹
- See section 2.2 of full <u>Prescribing Information</u> for complete Administration Instructions





Most patients

treated with

AMVUTTRA pay \$0

out-of-pocket7

AMVUTTRA® access and support



Accessible and affordable for most patients, regardless of insurance type

 AMVUTTRA is the only ATTR-CM treatment predominantly covered under the medical benefit

 Most patients with ATTR-CM receive coverage through Medicare³³

- Access to AMVUTTRA usually does not require prior authorization for Medicare Fee-for-Service (FFS) Part B
- Prior authorization may be required for Medicare Advantage patients or patients with commercial insurance



Alnylam Assist® offers support services for you and your patients, including:

- AMVUTTRA coverage, prior authorization, coding, reimbursement education, and patient-specific benefit verification
- Low or no-cost programs for eligible patients,* including copay support, a Patient Assistance Program, and a Quick Start Program
- One-on-one support for you and your patients throughout their treatment journey

How to Get Started With AMVUTTRA

- Your patients may receive AMVUTTRA through health systems, specialty infusion providers, in the clinic, or in the home[†]
- To access helpful resources or to submit a Start Form visit www.AlnylamAssist.com/hcp/amvuttra
- To learn more, contact your local Alnylam representative



Scan to visit www.AlnylamAssist.com



8AM-6PM, Monday-Friday (1-833-256-2748 (1-833-256-2747

To learn more, visit <u>www.AlnylamAssist.com/hcp/amvuttra</u>

^{*}Patients must meet specified eligibility criteria to qualify for assistance. Alnylam reserves the right to make eligibility determinations and to modify or discontinue the program at any time.

'If covered by the patient's insurance.



Indication and Important Safety Information

Indication

AMVUTTRA® (vutrisiran) is indicated for the treatment of the cardiomyopathy of wild-type or hereditary transthyretin-mediated amyloidosis (ATTR-CM) in adults to reduce cardiovascular mortality, cardiovascular hospitalizations and urgent heart failure visits.

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Patients should be referred to an ophthalmologist if they develop ocular symptoms suggestive of vitamin A deficiency (e.g., night blindness).

Adverse Reactions

The most common adverse reactions (≥5%) were pain in extremity, arthralgia, dyspnea, and vitamin A decreased.

For additional information about AMVUTTRA, please see full Prescribing Information.



As the first and only silencer for ATTR-CM, **AMVUTTRA®** delivers rapid knockdown of TTR at the source¹⁻⁴

- HELIOS-B enrolled a contemporary population of patients with earlier diagnoses, less severe disease, and substantial use of background therapy⁴
- AMVUTTRA achieved statistical significance on all endpoints compared with placebo, including^{1,4}:



Risk reduction of ACM and recurrent CV events

through 33–36 months in the overall population¹ [HR=0.72 (95% CI: 0.55–0.93); p=0.01]



Risk reduction of ACM

through 42 months in the overall population, which included up to 6 months of OLE data^{5,6}

[HR=0.645 (95% CI: 0.463-0.898); p=0.0098]



Preserved functional capacity and quality of life

at 30 months, as measured by 6-MWT and KCCQ-OS score, respectively^{1,4}

- Safety and tolerability of AMVUTTRA were established in a study of adult patients with hATTR-PN and no new safety issues were identified in HELIOS-B¹
- AMVUTTRA offers confidence in monitoring patient compliance with
 HCP-administered doses only four times per year¹
- Most patients treated with AMVUTTRA pay \$0 out-of-pocket⁷

Choose AMVUTTRA first for your patients with ATTR-CM



Scan to visit www.amvuttrahcp.com

Important Safety Information

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References

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HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use
AMVUTTRA® safely and effectively. See full prescribing
information for AMVUTTRA.

AMVUTTRA (vutrisiran) injection, for subcutaneous use Initial U.S. Approval: 2022

AMVUTTRA is a transthyretin-directed small interfering RNA indicated for the treatment of:

- the polyneuropathy of hereditary transthyretin-mediated amyloidosis in adults (1.1)
- the cardiomyopathy of wild-type or hereditary transthyretin-mediated amyloidosis in adults to reduce cardiovascular mortality, cardiovascular hospitalizations and urgent heart failure visits (1.2)

--DOSAGE AND ADMINISTRATION--

 The recommended dosage of AMVUTTRA is 25 mg administered by subcutaneous injection once every 3 months. (2.1) AMVUTTRA is for subcutaneous use only and should be administered by a healthcare professional. (2.2)

Reduced serum vitamin A levels and recommended supplementation: Supplement with the recommended daily allowance of vitamin A. Refer to an ophthalmologist if ocular symptoms suggestive of vitamin A

-----ADVERSE REACTIONS----

The most common adverse reactions (≥5%) were pain in extremity, arthralgia, dyspnea, and vitamin A decreased. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Alnylam Pharmaceuticals at 1-877-256-9526 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION.

Revised: 3/2025

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

1.1 Polyneuropathy of Hereditary Transthyretin-mediated Amyloidosis

AMVUTTRA is indicated for the treatment of the polyneuropathy of hereditary transthyretin-mediated amyloidosis (hATTR-PN) in adults.

1.2 Cardiomyopathy of Wild-type or Hereditary Transthyretin-mediated Amyloidosis

AMVUTTRA is indicated for the treatment of the cardiomyopathy of wild-type or hereditary transthyretin-mediated amyloidosis (ATTR-CM) in adults to reduce cardiovascular mortality, cardiovascular hospitalizations and urgent heart failure visits.

2 DOSAGE AND ADMINISTRATION

2.1 Recommended Dosage

The recommended dosage of AMVUTTRA is 25 mg administered by subcutaneous injection once every 3 months [see Dosage and Administration (2.2)].

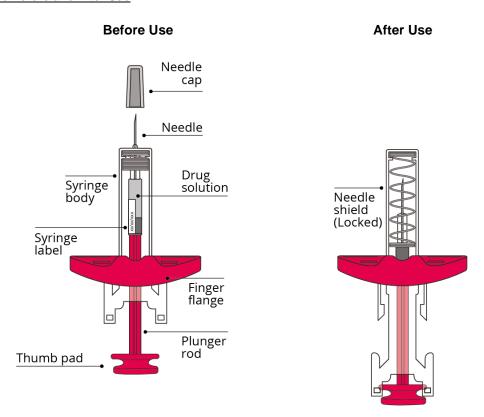
Missed Dose

If a dose is missed, administer AMVUTTRA as soon as possible. Resume dosing every 3 months from the most recently administered dose.

2.2 Administration Instructions

AMVUTTRA is for subcutaneous use only and should be administered by a healthcare professional.

Syringe Appearance Before and After Use



Preparation and Administration

1. Prepare the syringe

If stored cold, allow the syringe to warm to room temperature for 30 minutes prior to use.

Remove the syringe from the packaging by gripping the syringe body.

Do not touch the plunger rod until ready to inject.

Visually inspect the drug solution for discoloration and particulate matter prior to administration. AMVUTTRA is a sterile, preservative-free, clear, colorless-to-yellow solution. **Do not** use if it contains particulate matter or if it is cloudy or discolored.

Check the following:

- Syringe is not damaged, such as cracked or leaking
- Needle cap is attached to the syringe
- Expiration date on syringe label

Do not use the syringe if any issues are found while checking the syringe.

2. Choose and prepare the injection site

Choose an injection site from the following areas: the abdomen, thighs, or upper arms. Avoid the following:

- 5-cm area around the navel
- Scar tissue or areas that are reddened, inflamed, or swollen

Clean the chosen injection site.

3. Prepare the syringe for injection

Hold the syringe body with one hand. Pull the needle cap straight off with other hand and dispose of needle cap immediately. It is normal to see a drop of liquid at the tip of the needle.

Do not touch the needle or let it touch any surface.

Do not recap the syringe.

Do not use the syringe if it is dropped.

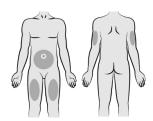
4. Perform the injection

Pinch the cleaned skin.

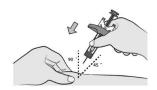
Fully insert the needle into the pinched skin at a 45°-90° angle.

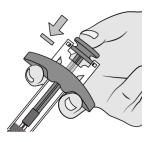
Inject all of the medication.

Push the plunger rod as far as it will go to administer the dose and activate the needle shield.









Release the plunger rod to allow the needle shield to cover the needle.

Do not block plunger rod movement.



5. Dispose of the syringe

Immediately dispose of the used syringe into a sharps container.

3 DOSAGE FORMS AND STRENGTHS

Injection: 25 mg/0.5 mL of vutrisiran as a clear, colorless-to-yellow solution in a single-dose prefilled syringe.

4 CONTRAINDICATIONS

None.

5 WARNINGS AND PRECAUTIONS

5.1 Reduced Serum Vitamin A Levels and Recommended Supplementation

AMVUTTRA treatment leads to a decrease in serum vitamin A levels [see Adverse Reactions (6.1) and Clinical Pharmacology (12.2)].

Supplementation at the recommended daily allowance of vitamin A is advised for patients taking AMVUTTRA. Higher doses than the recommended daily allowance of vitamin A should not be given to try to achieve normal serum vitamin A levels during treatment with AMVUTTRA, as serum vitamin A levels do not reflect the total vitamin A in the body.

Patients should be referred to an ophthalmologist if they develop ocular symptoms suggestive of vitamin A deficiency (e.g., night blindness).

6 ADVERSE REACTIONS

The following clinically significant adverse reactions are discussed in greater detail in other sections of the labeling:

Reduced Serum Vitamin A Levels and Recommended Supplementation [see Warnings and Precautions (5.1)]

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of AMVUTTRA cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

Two Phase 3 randomized, multi-center studies evaluated the safety of AMVUTTRA in 448 transthyretin-mediated amyloidosis (ATTR) patients, including 122 patients with hATTR-PN (HELIOS-A) and 326 patients with ATTR-CM (HELIOS-B) [see Clinical Studies (14)]. In both studies, patients were instructed to take the recommended daily allowance of vitamin A [see Warnings and Precautions (5.1)].

Polyneuropathy of Hereditary Transthyretin-mediated Amyloidosis

In HELIOS-A, 118 patients received at least 18 months of treatment. The mean duration of treatment was 18.8 months (range: 1.7 to 19.4 months). The median patient age at baseline was 60 years and 65% of the patients were male. Seventy percent of AMVUTTRA-treated patients were Caucasian, 17% were Asian, 3% were Black, and 9% were reported as Other. Forty-four percent of patients had the Val30Met mutation in the transthyretin gene; the remaining patients had one of 21 other mutations. At baseline, 70% of patients were in Stage 1 of the disease and 30% were in Stage 2.

The most common adverse reactions (at least 5%) were pain in extremity, arthralgia, dyspnea, and vitamin A decreased (see *Table 1*).

Seventy-four percent of patients treated with AMVUTTRA had normal vitamin A levels at baseline, and 98% of those with a normal baseline developed low vitamin A levels. In some cases, the decreased vitamin A level was reported as an adverse reaction (see *Table 1*).

Table 1: Adverse Reactions Reported in at least 5% of Patients Treated with AMVUTTRA in HELIOS-A

Adverse Reaction	AMVUTTRA N=122 %
Pain in extremity*	15
Arthralgia*	11
Dyspnea*	7
Vitamin A decreased [†]	7
*Comprised of several similar terms †Percentage only reflects those reported as a	n adverse reaction

In HELIOS-A, two serious adverse reactions of atrioventricular (AV) heart block (1.6%) occurred in patients treated with AMVUTTRA, including one case of complete AV block.

Injection site reactions were reported in 5 (4%) patients treated with AMVUTTRA. Reported symptoms included bruising, erythema, pain, pruritus, and warmth. Injection site reactions were mild and transient.

Cardiomyopathy of Wild-type or Hereditary Transthyretin-mediated Amyloidosis

In HELIOS-B, safety was evaluated in 654 patients with ATTR-CM, which included 257 patients treated with AMVUTTRA for ≥30 months, and 77 patients treated with AMVUTTRA for ≥36 months [see Clinical Studies (14)]. No new safety issues were identified. Eighty-two percent of patients treated with AMVUTTRA had normal vitamin A levels at baseline, and 80% of those with a normal baseline developed low vitamin A levels.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

There are no available data on AMVUTTRA use in pregnant women to inform a drug-associated risk of adverse developmental outcomes. AMVUTTRA treatment leads to a decrease in serum vitamin A levels, and vitamin A supplementation is advised for patients taking AMVUTTRA. Vitamin A is essential for normal embryofetal development; however, excessive levels of vitamin A are associated with adverse developmental effects. The effects on the fetus of a reduction in maternal serum TTR caused by AMVUTTRA and of vitamin A supplementation are unknown [see Warnings and Precautions (5.1) and Clinical Pharmacology (12.2)].

In animal studies, subcutaneous administration of vutrisiran to pregnant rats resulted in developmental toxicity (reduced fetal body weight and embryofetal mortality) at doses associated with maternal toxicity (see *Data*).

In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively. The background risk of major birth defects and miscarriage for the indicated population is unknown.

Data

Animal Data

Subcutaneous administration of vutrisiran (0, 3, 10, or 30 mg/kg/day) to pregnant rats during the period of organogenesis resulted in embryofetal mortality at the high dose and reduced fetal body weight at the mid and high doses, which were associated with maternal toxicity.

Subcutaneous administration of vutrisiran (0, 3, 10, or 30 mg/kg/day) to pregnant rabbits resulted in no adverse effects on embryofetal development.

Subcutaneous administration of vutrisiran (0, 5, 10, or 20 mg/kg) to pregnant rats every 6 days throughout pregnancy and lactation resulted in no adverse developmental effects on the offspring.

8.2 Lactation

Risk Summary

There is no information regarding the presence of vutrisiran in human milk, the effects on the breastfed infant, or the effects on milk production. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for AMVUTTRA and any potential adverse effects on the breastfed infant from AMVUTTRA or from the underlying maternal condition.

8.4 Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

8.5 Geriatric Use

No dose adjustment is required in patients ≥65 years of age [see Clinical Pharmacology (12.3)]. In HELIOS-A, a total of 46 (38%) patients ≥65 years of age, including 7 (6%) patients ≥75 years of age, received AMVUTTRA In HELIOS-B, a total of 299 (92%) patients ≥65 years old, including 203 (62%) ≥75 years old, received AMVUTTRA. No overall differences in safety or effectiveness were observed between these patients and younger patients.

8.6 Renal Impairment

No dose adjustment is recommended in patients with mild or moderate renal impairment (estimated glomerular filtration rate [eGFR] ≥30 to <90 mL/min/1.73 m²) [see Clinical Pharmacology (12.3)]. AMVUTTRA has not been studied in patients with severe renal impairment or end-stage renal disease.

8.7 Hepatic Impairment

No dose adjustment is recommended in patients with mild (total bilirubin $\le 1 \times ULN$ and AST $> 1 \times ULN$, or total bilirubin $> 1.0 \times ULN$ and any AST) or moderate (total bilirubin $> 1.5 \times ULN$ and any AST) hepatic impairment [see Clinical Pharmacology (12.3)]. AMVUTTRA has not been studied in patients with severe hepatic impairment.

11 DESCRIPTION

AMVUTTRA contains vutrisiran, a chemically modified double-stranded small interfering ribonucleic acid (siRNA) that targets mutant and wild-type transthyretin (TTR) messenger RNA (mRNA) and is covalently linked to a ligand containing three *N*-acetylgalactosamine (GalNAc) residues to enable delivery of the siRNA to hepatocytes.

The structural formula of vutrisiran sodium is presented below.

The molecular formula of vutrisiran sodium is $C_{530}H_{672}F_9N_{171}Na_{43}O_{323}P_{43}S_6$ with a molecular weight of 17,290 Da. The molecular formula of the free acid is $C_{530}H_{715}F_9N_{171}O_{323}P_{43}S_6$ with a molecular weight of 16,345 Da.

AMVUTTRA is supplied as a sterile, preservative-free, clear, colorless-to-yellow solution for subcutaneous injection. Each 0.5 mL of solution contains 25 mg of vutrisiran (equivalent to 26.5 mg vutrisiran sodium), 0.2 mg sodium phosphate monobasic dihydrate, 0.7 mg sodium phosphate dibasic dihydrate, 3.2 mg sodium chloride, water for injection, and sodium hydroxide and/or phosphoric acid to adjust the pH to ~7.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Vutrisiran is a double-stranded siRNA-GalNAc conjugate that causes degradation of mutant and wild-type TTR mRNA through RNA interference, which results in a reduction of serum TTR protein and TTR protein deposits in tissues.

12.2 Pharmacodynamics

The pharmacodynamic effects of AMVUTTRA were evaluated in patients with hATTR-PN and ATTR-CM, treated with 25 mg AMVUTTRA administered by subcutaneous injection once every 3 months.

Polyneuropathy of Hereditary Transthyretin-mediated Amyloidosis

In HELIOS-A [see Clinical Studies (14)], vutrisiran reduced mean serum TTR at steady state by 83%. Similar TTR reductions were observed regardless of Val30Met genotype status, weight, sex, age, or race.

Vutrisiran also reduced the mean steady state serum vitamin A by 62% over 9 months [see Warnings and Precautions (5.1)].

Cardiomyopathy of Wild-type (wt) or Hereditary Transthyretin-mediated Amyloidosis (hATTR)

In HELIOS-B, the mean serum TTR reduction profile was similar with that observed in HELIOS-A, and consistent across the subgroups studied (age, sex, race, body weight, anti-drug antibody [ADA] status, ATTR disease type (wtATTR versus hATTR), NYHA class, and baseline tafamidis use).

Vutrisiran reduced the mean steady state serum vitamin A by 65% over 36 months. [see Warnings and Precautions (5.1)]. Cardiac Biomarkers

Biomarkers associated with heart failure (NT-proBNP and Troponin I) favored AMVUTTRA over placebo.

Cardiac Electrophysiology

At a dose 12 times the recommended dosage of 25 mg once every three months, AMVUTTRA does not prolong the QT interval to any clinically relevant extent.

12.3 Pharmacokinetics

The pharmacokinetic (PK) properties of AMVUTTRA were evaluated following a single dose in healthy subjects and multiple doses in patients with hATTR amyloidosis, as summarized in Table 2.

Table 2: Pharmacokinetic Parameters of Vutrisiran

	Vutrisiran			
General Information				
Dose Proportionality	Vutrisiran C _{max} showed dose proportional increase while AUC _{last} and AUC _{inf} were slightly more than dose proportional following single subcutaneous doses ranging from 5 to 300 mg (i.e., 0.2 to 12 times the recommended dose)			
Accumulation	No accumulation of vutrisiran was observed in plasma after repeated every 3 months dosage*			
Absorption				
T _{max} [Median (Range)]	4 (0.17, 12.0) hours†			
Distribution				
Estimated Vd/F (%RSE)	10.1 (5.8) L [‡]			
Protein Binding	80% [§]			
Organ Distribution	Vutrisiran distributes primarily to the liver after subcutaneous dosing			
Elimination				
Half-Life [Median (Range)]	5.2 (2.2, 6.4) hours†			
Apparent Clearance [Median (Range)]	21.4 (19.8, 30) L/hour [†]			
Metabolism				
Primary Pathway	Vutrisiran is metabolized by endo- and exonucleases to short nucleotide fragments of varying sizes within the liver			
Excretion				
Primary Pathway	The mean fraction of unchanged vutrisiran eliminated in urine was approximately 19.4% at the recommended dose of 25 mg. The mean renal clearance of vutrisiran ranged from 4.5 to 5.7 L/hour¶			

 AUC_{inf} = area under the concentration-time curve from the time of dosing extrapolated to infinity; AUC_{iast} = area under the concentration-time curve from the time of dosing to the last measurable concentration; C_{max} = maximum plasma concentration; CV = coefficient of variation; RSE = relative standard error; T_{max} = time to maximum concentration; Vd/F = apparent volume of distribution

Specific Populations

No clinically significant differences in the pharmacokinetics of vutrisiran were observed based on age, sex, race, mild and moderate renal impairment (eGFR \geq 30 to <90 mL/min/1.73 m²), or mild (total bilirubin \leq 1 x ULN and AST >1 x ULN, or total bilirubin >1.0 to 1.5 x ULN and any AST) and moderate (total bilirubin >1.5 to 3 x ULN and any AST) hepatic impairment. Vutrisiran has not been studied in patients with severe renal impairment, end-stage renal disease, severe hepatic impairment, or in patients with prior liver transplant.

^{*}After 25 mg every 3 months dosage in hATTR amyloidosis patients

[†]After 25 mg single dose in healthy subjects

[‡]Based on population PK model estimation

[§]Vutrisiran plasma protein binding was concentration-dependent and decreased with increasing vutrisiran concentrations (from 78% at 0.5 mcg/mL to 19% at 50 mcg/mL)

[¶]After single subcutaneous vutrisiran dose from 5 to 300 mg (i.e., 0.2 to 12 times the recommended dose) in healthy subjects

Drug Interaction Studies

No clinical drug-drug interaction studies have been performed with vutrisiran. In vitro studies suggest that vutrisiran is not a substrate or inhibitor of cytochrome P450 enzymes. Vutrisiran is not expected to cause drug-drug interactions by inducing CYP enzymes or modulating the activities of drug transporters.

12.6 Immunogenicity

The observed incidence of anti-drug antibody (ADA, including neutralizing antibody) is highly dependent on the sensitivity and specificity of the assay. Differences in assay methods preclude meaningful comparisons of the incidence of ADA in the studies described below with the incidence of ADA in the other studies, including those of AMVUTTRA or of other siRNA products.

In HELIOS-A and HELIOS-B studies, 3 (2.5%) and 1 (0.3%) patient treated with AMVUTTRA, respectively, developed transient, low titer anti-drug antibodies. The available data are limited to make definitive conclusions regarding the effect of anti-drug antibodies on pharmacokinetics or pharmacodynamics of AMVUTTRA.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

Subcutaneous administration of vutrisiran to male mice (0, 2, 6, or 13 mg/kg once every 4 weeks) for 100 weeks and to female mice (0, 3, 9, or 18 mg/kg once every 4 weeks) for 98 weeks resulted in no increase in tumors.

Subcutaneous administration of vutrisiran to male rats (0, 4, 7.5, or 15 mg/kg once every 4 weeks or 15 mg/kg once every 12 weeks) for 99 weeks and to female rats (0, 6, 12.5, or 25 mg/kg once every 4 weeks or 25 mg/kg once every 12 weeks) for 86-87 weeks resulted in no increase in tumors.

Mutagenesis

Vutrisiran was negative for mutagenicity in in vitro (bacterial mutagenicity, chromosomal aberration in human blood peripheral lymphocytes) and in vivo (rat bone marrow micronucleus) assays.

Impairment of Fertility

Subcutaneous administration of vutrisiran (0, 15, 30, or 70 mg/kg/week) to male and female rats prior to and during mating and continuing in females to gestation day 6 resulted in no adverse effects on fertility or reproductive performance.

14 CLINICAL STUDIES

14.1 Polyneuropathy of Hereditary Transthyretin-mediated Amyloidosis

The efficacy of AMVUTTRA was evaluated in a randomized, open-label clinical trial in adult patients with hATTR-PN (HELIOS-A; NCT03759379). Patients were randomized 3:1 to receive 25 mg of AMVUTTRA subcutaneously once every 3 months (N=122), or 0.3 mg/kg patisiran intravenously every 3 weeks (N=42) as a reference group. Ninety-seven percent of AMVUTTRA-treated patients and 93% of patisiran-treated patients completed at least 9 months of the assigned treatment.

Efficacy assessments were based on a comparison of the AMVUTTRA arm of HELIOS-A with an external placebo group in another study (NCT01960348) composed of a comparable population of adult patients with polyneuropathy caused by hATTR amyloidosis.

The primary efficacy endpoint was the change from baseline to Month 9 in modified Neuropathy Impairment Score +7 (mNIS+7). The mNIS+7 is an objective assessment of neuropathy and comprises the NIS and Modified +7 composite scores. In the version of the mNIS+7 used in the trial, the NIS objectively measures deficits in cranial nerve function, muscle strength, and reflexes, and the +7 assesses postural blood pressure, quantitative sensory testing, and peripheral nerve electrophysiology. The mNIS+7 has a total score range from 0 to 304 points, with higher scores representing a greater severity of disease.

The clinical meaningfulness of effects on the mNIS+7 was assessed by the change from baseline to Month 9 in Norfolk Quality of Life-Diabetic Neuropathy (QoL-DN) total score. The Norfolk QoL-DN scale is a patient-reported assessment that evaluates the subjective experience of neuropathy in the following domains: physical functioning/large fiber neuropathy, activities of daily living, symptoms, small fiber neuropathy, and autonomic neuropathy. The Norfolk QoL-DN has a total score range from -4 to 136, with higher scores representing greater impairment.

Additional endpoints were gait speed, as measured by the 10-meter walk test (10MWT), and modified body mass index (mBMI).

Treatment with AMVUTTRA in HELIOS-A resulted in statistically significant improvements in the mNIS+7, Norfolk QoL-DN total score, and 10-meter walk test at Month 9 compared to placebo in the external study (p<0.001) [Table 3, Figure 1, and

Figure 3]. The distributions of changes in mNIS+7 and Norfolk QoL-DN total scores from baseline to Month 9 by percent of patients are shown in Figure 2 and Figure 4, respectively.

The change from baseline to Month 9 in modified body mass index nominally favored AMVUTTRA [Table 3].

Table 3: Clinical Efficacy Results (Comparison of AMVUTTRA Treatment in HELIOS-A to an External Placebo Control*)

	Baseline	, Mean (SD)		m Baseline to S Mean (SEM)	AMVUTTRA- Placebo* Treatment		
Endpoint [†]	AMVUTTRA N=122 (HELIOS-A)	Placebo* N=77 (NCT01960348)	AMVUTTRA (HELIOS-A)	Placebo* (NCT01960348)	Difference, LS Mean (95% CI)	<i>p</i> -value	
mNIS+7‡	60.6 (36.0)	74.6 (37.0)	-2.2 (1.4)	14.8 (2.0)	-17.0 (-21.8, -12.2)	<i>p</i> <0.001	
Norfolk QoL-DN [‡]	47.1 (26.3)	55.5 (24.3)	-3.3 (1.7)	12.9 (2.2)	-16.2 (-21.7, -10.8)	<i>p</i> <0.001	
10-meter walk test (m/sec)§	1.01 (0.39)	0.79 (0.32)	0 (0.02)	-0.13 (0.03)	0.13 (0.07, 0.19)	<i>p</i> <0.001	
mBMI [¶]	1058 (234)	990 (214)	7.6 (7.9)	-60.2 (10.1)	67.8 (43.0, 92.6)	<i>p</i> <0.001	

CI = confidence interval; LS mean = least squares mean; mBMI = modified body mass index; mNIS = modified Neuropathy Impairment Score; QoL-DN = Quality of Life-Diabetic Neuropathy; SD = standard deviation; SEM = standard error of the mean

^{*}External placebo group from another randomized controlled trial (NCT01960348)

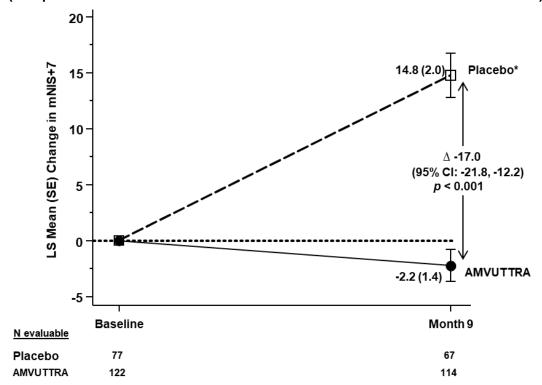
[†]All endpoints analyzed using the analysis of covariance (ANCOVA) with multiple imputation (MI) method)

[‡]A lower number indicates less impairment/fewer symptoms

[§]A higher number indicates less disability/less impairment

mBMI: nominal p-value; body mass index (BMI; kg/m²) multiplied by serum albumin (g/L).

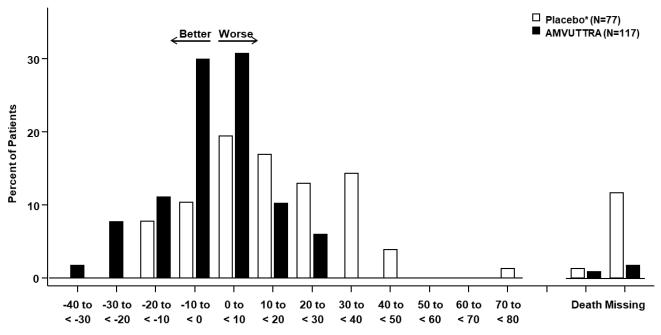
Figure 1: Change from Baseline in mNIS+7 (Comparison of AMVUTTRA Treatment in HELIOS-A to an External Placebo Control*)



A decrease in mNIS+7 indicates improvement

 Δ indicates between-group treatment difference, shown as the LS mean difference (95% CI) for AMVUTTRA – placebo *External placebo group from another randomized controlled trial (NCT01960348)

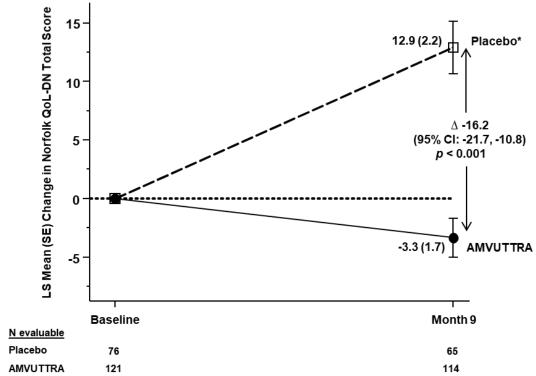
Figure 2: Histogram of mNIS+7 Change from Baseline at Month 9 (Comparison of AMVUTTRA Treatment in HELIOS-A to an External Placebo Control*)



Change from Baseline to Month 9 in mNIS+7

Categories are mutually exclusive; patients who died before 9 months are summarized in the "Death" category only *External placebo group from another randomized controlled trial (NCT01960348)

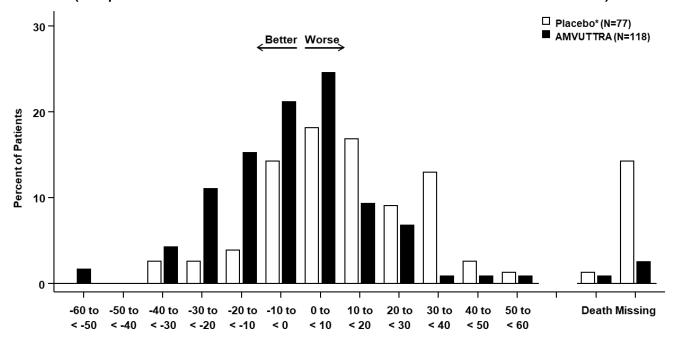
Figure 3: Change from Baseline in Norfolk QoL-DN Total Score (Comparison of AMVUTTRA Treatment in HELIOS-A to an External Placebo Control*)



A decrease in Norfolk QoL-DN score indicates improvement

 Δ indicates between-group treatment difference, shown as the LS mean difference (95% CI) for AMVUTTRA – placebo

Figure 4: Histogram of Norfolk QoL-DN Total Score Change from Baseline at Month 9 (Comparison of AMVUTTRA Treatment in HELIOS-A to an External Placebo Control*)



Change from Baseline to Month 9 in Norfolk QoL-DN Total Score

Categories are mutually exclusive; patients who died before 9 months are summarized in the "Death" category only *External placebo group from another randomized controlled trial (NCT01960348)

^{*}External placebo group from another randomized controlled trial (NCT01960348)

Patients receiving AMVUTTRA in HELIOS-A experienced similar improvements relative to those in the external placebo group in mNIS+7 and Norfolk QoL-DN total score across all subgroups including age, sex, race, region, NIS score, Val30Met genotype status, and disease stage.

14.2 Cardiomyopathy of Wild-type or Hereditary Transthyretin-mediated Amyloidosis

The efficacy of AMVUTTRA was evaluated in a multicenter, international, randomized, double-blind, placebo-controlled trial (HELIOS-B, NCT04153149) in 654 adult patients with wild-type or hereditary ATTR-CM. Patients were randomized 1:1 to receive 25 mg of AMVUTTRA (n=326) subcutaneously once every 3 months, or matching placebo (n=328).

Treatment assignment was stratified by baseline tafamidis use (yes versus no), ATTR disease type (wtATTR or hATTR amyloidosis), and by baseline New York Heart Association (NYHA) Class I or II and age <75 years versus all other. At baseline, 40% of patients were on tafamidis. The mean age of study participants was 75 years, 93% were male, 84% were White, 7% were Black or African American, 6% were Asian, 2% did not report race and 1% were race other, 88% had wild-type ATTR, 13% were NYHA Class I, 78% were NYHA Class II, and 9% NYHA Class III. No significant imbalance in baseline characteristics was observed between the two treatment groups.

Participants were permitted to initiate open-label tafamidis during the study. A total of 85 participants initiated tafamidis: 44 (22%) in the AMVUTTRA arm and 41 (21%) in the placebo arm. The median time to initiation of tafamidis for these 85 participants was 18 months.

The primary efficacy endpoint was the composite outcome of all-cause mortality and recurrent CV events (CV hospitalizations and urgent heart failure [UHF] visits) during the double-blind treatment period of up to 36 months, evaluated in the overall population and in the monotherapy population (defined as patients not receiving tafamidis at study baseline).

AMVUTTRA led to significant reduction in the risk of all-cause mortality and recurrent CV events compared to placebo in the overall and monotherapy population of 28% and 33%, respectively (Table 4). The majority of the deaths (77%) were CV-related. A Kaplan-Meier curve illustrating time to first CV event or all-cause mortality is presented in Figure 5.

Both components of the primary composite endpoint individually contributed to the treatment effect in the overall and monotherapy population (Table 4).

Table 4: Primary Composite Endpoint and its Individual Components in HELIOS-B

Endpoint		Overall population		Monotherapy population	
		AMVUTTRA (N=326)	Placebo (N=328)	AMVUTTRA (N=196)	Placebo (N=199)
Primary composite endpoint*	Hazard Ratio (95% CI)† p-value†	0.72 (0.55, 0.93) 0.01		0.67 (0.49, 0.93) 0.02	
	Components of the I	Primary Compo	site Endpoint		
All-cause mortality	Hazard Ratio (95% CI)‡	0.69 (0.4	49, 0.98)	0.71 (0.47, 1.06)	
CV hospitalizations and UHF visits	Hazard Ratio (95% CI)†	0.73 (0.55, 0.96)		7, 0.96)	

Abbreviations: CI=confidence interval; CV=cardiovascular; UHF=urgent heart failure.

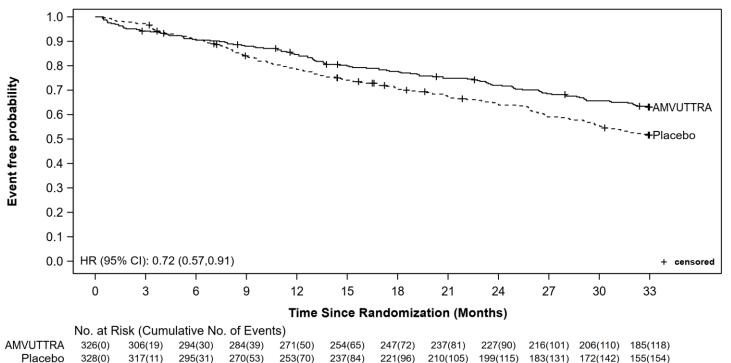
Heart transplantation and left ventricular assist device placement are treated as death. Deaths after study discontinuation are included in the all-cause mortality component analysis.

^{*} Primary composite endpoint defined as: composite outcome of all-cause mortality and recurrent CV events. Primary analysis included at least 33 months (and up to 36 months) follow-up on all patients.

[†] Hazard Ratio (95% CI) and *p*-value are based on a modified Andersen-Gill model.

[‡] Hazard Ratio (95% CI) is based on a Cox proportional hazard model.

Figure 5: Time to All-Cause Mortality or First CV Event (Overall population)



Abbreviations: CI=confidence interval; CV=cardiovascular; HR = hazard ratio.

Heart transplantation and left ventricular assist device placement are treated as death. HR and 95% CI are based on a Cox proportional hazard model. First CV event = First CV hospitalization or urgent heart failure visit after randomization.

Results from the subgroup analysis for the primary composite endpoint were consistent across prespecified subgroups in the overall population (Figure 6) and monotherapy population.

HR 95% CI Overall (N=654, 100.0%) 0.72 (0.55, 0.93)Tafamidis use at baseline No (N=395, 60.4%) 0.67 (0.49, 0.93)Yes (N=259, 39.6%) 0.79 (0.51, 1.21)Age at baseline (years) <75 (N=257, 39.3%) 0.54 (0.35, 0.85)≥75 (N=397, 60,7%) 0.81 (0.58, 1.11)ATTR disease type 0.92 hATTR (N=76, 11.6%) (0.49, 1.72)wtATTR (N=578, 88.4%) 0.67 (0.51, 0.90)NYHA class at baseline I/II (N=592, 90.5%) 0.73 (0.55, 0.96)III (N=62, 9.5%) 0.68 (0.33, 1.41)NT-pro-BNP at baseline (ng/L) ≤2000 (N=342, 52.3%) 0.52 (0.35, 0.79)>2000 (N=312, 47.7%) 0.80 (0.56, 1.13)0.5 2 1 Favors AMVUTTRA Favors Placebo

Figure 6: Subgroup Analyses of the Primary Composite Endpoint (Overall Population)

Abbreviations: ATTR = transthyretin amyloidosis; CI = confidence interval; hATTR = hereditary transthyretin amyloidosis; HR = hazard ratio; NT-pro-BNP = N-terminal prohormone of B-type natriuretic peptide; NYHA = New York Heart Association; wtATTR = wild-type transthyretin amyloidosis. HR and 95% CI are based on modified Andersen-Gill model analyses.

The treatment effect of AMVUTTRA on functional capacity and health status were assessed by the change from baseline to Month 30 in distance walked on 6-Minute Walk Test (6-MWT), and the Kansas City Cardiomyopathy Questionnaire-Overall Summary (KCCQ-OS) score, respectively.

At Month 30, the LS mean difference in change from baseline in distance walked on 6-MWT was 22 (95% CI: 8, 35; p=0.002) meters and 25 (95% CI: 7, 44; p=0.006) meters favoring AMVUTTRA over placebo in the overall population and monotherapy population, respectively.

At Month 30, the LS mean difference in the change from baseline in KCCQ-OS was 6 (95% CI: 2, 9; p=0.001) and 8 (95% CI: 4, 13; p=0.0003) favoring AMVUTTRA over placebo in the overall population and monotherapy population respectively.

16 HOW SUPPLIED/STORAGE AND HANDLING

16.1 How Supplied

AMVUTTRA is a sterile, preservative-free, clear, colorless-to-yellow solution for subcutaneous injection. AMVUTTRA is supplied as 25 mg/0.5 mL solution in a single-dose 1-mL prefilled syringe made from Type I glass with stainless steel 29-gauge needle with a needle shield. The prefilled syringe components are not made with natural rubber latex.

AMVUTTRA is available in cartons containing one single-dose prefilled syringe each.

The NDC is: 71336-1003-1.

16.2 Storage and Handling

Store at 2°C to 30°C (36°F to 86°F) in the original carton, until ready for use. Do not freeze.

17 PATIENT COUNSELING INFORMATION

Recommended Vitamin A Supplementation

Inform patients that AMVUTTRA treatment leads to a decrease in serum vitamin A levels. Instruct patients to take the recommended daily allowance of vitamin A. Advise patients to contact their healthcare provider if they experience ocular symptoms suggestive of vitamin A deficiency (e.g., night blindness) and refer them to an ophthalmologist if they develop these symptoms [see Warnings and Precautions (5.1)].

Pregnancy

Instruct patients that if they are pregnant or plan to become pregnant while taking AMVUTTRA they should inform their healthcare provider. Inform patients of the potential risk to the fetus, including that AMVUTTRA treatment leads to a decrease in serum vitamin A levels [see Use in Specific Populations (8.1) and Clinical Pharmacology (12.2)].

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