

Trial record **4 of 16** for: modafinil AND Provigil AND Nuvigil AND Narcolepsy NOT Xyrem

[◀ Previous Study](#) | [Return to List](#) | [Next Study ▶](#)

Modafinil Versus Amphetamines for the Treatment of Narcolepsy Type 2 and Idiopathic Hypersomnia

ClinicalTrials.gov Identifier: NCT03772314

The safety and scientific validity of this study is the responsibility of the study sponsor and investigators. Listing a study does not mean it has been evaluated by the U.S. Federal Government. **⚠** [Know the risks and potential benefits](#) of clinical studies and talk to your health care provider before participating. Read our [disclaimer](#) for details.

[Recruitment Status](#) ⓘ : Not yet recruiting
[First Posted](#) ⓘ : December 11, 2018
[Last Update Posted](#) ⓘ : December 11, 2018
 See [Contacts and Locations](#)

Sponsor:

Emory University

Collaborator:

American Academy of Sleep Medicine

Information provided by (Responsible Party):

Lynn Marie Trotti, Emory University

- [Study Details](#)
- [Tabular View](#)
- [No Results Posted](#)
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Study Description

Go to

Brief Summary:

For diseases that cause excessive daytime sleepiness (such as narcolepsy and idiopathic hypersomnia), there are several medications that can be used to treat sleepiness. However, it can be difficult to decide which medication to use for a particular individual for several reasons: 1) there are very few studies that directly compare two medications to see which works best; 2) there are very few studies that include people with a disorder of sleepiness called idiopathic hypersomnia.

To address this gap in knowledge, the researchers propose a randomized clinical trial comparing modafinil and amphetamine salts in patients with narcolepsy type 2 or idiopathic hypersomnia. All participants will either receive modafinil or amphetamine salts -- no participant will receive placebo.

This study will evaluate which medication works better to improve sleepiness. The researchers will also see which medication is better for other symptoms including difficulty waking up and difficulty thinking, as well as seeing which medication causes fewer side. Finally, this study will see if any information about patients (such as age or sleep study features) predicts responding better to one medication or the other.

Condition or disease ⓘ	Intervention/treatment ⓘ	Phase ⓘ
Idiopathic Hypersomnia	Drug: Modafinil	Phase 2
Narcolepsy Without Cataplexy	Drug: Amphetamine-Dextroamphetamine	

Detailed Description:

Currently, there are insufficient data to guide clinical practice regarding the use of amphetamines for the treatment of narcolepsy. This may be particularly important in the case of narcolepsy type 2, for which randomized, controlled trial data show that other treatments are less beneficial than they are for participants with narcolepsy type 1. For the closely related disorder of idiopathic hypersomnia, clinical trial data to guide treatment decision-making are even more limited, with only three published controlled trials ever performed.

To address these evidence gaps, the researchers propose a randomized, active-treatment controlled trial comparing modafinil and amphetamine salts for the treatment of narcolepsy type 2 and idiopathic hypersomnia. The primary outcome will be reduction in excessive daytime sleepiness, as measured by change in Epworth Sleepiness Scale scores from baseline to week 12 on treatment. Other important patient-reported outcomes will be considered as secondary outcomes, including Patient Global Impression of Change for sleep inertia, cognitive dysfunction, and sleepiness.

In addition to directly comparing the efficacy of these two medications for hypersomnolent patients, this study will also evaluate for relatively safety in this population. Further, this study will assess clinical predictors of treatment response. All three of these aims will be complementary in informing shared decision-making about whether to treat with modafinil or amphetamine salts.

Forty-four treatment-naïve adult patients seeking evaluation at the Emory Sleep Center for narcolepsy type 2 or idiopathic hypersomnia will be invited to participate and will be randomized to one of the treatment arms upon consent. Participants will receive study treatment for 12 weeks.

Study Design

Go to Study Type  : Interventional (Clinical Trial)Estimated Enrollment  : 44 participants

Allocation: Randomized

Intervention Model: Parallel Assignment

Masking: Quadruple (Participant, Care Provider, Investigator, Outcomes Assessor)

Primary Purpose: Treatment



Official Title: Informing Treatment Decisions in the Central Disorders of Hypersomnolence: A Pragmatic Clinical Trial of **Modafinil** Versus AmphetaminesEstimated Study Start Date  : March 2019Estimated Primary Completion Date  : February 2022Estimated Study Completion Date  : February 2022

Resource links provided by the National Library of Medicine

[Genetics Home Reference](#) related topics: [Narcolepsy](#)Drug Information available for: [Dextroamphetamine sulfate](#) [Dextroamphetamine Amphetamine sulfate](#) [Amphetamine](#) [Modafinil](#) [Armodafinil](#)[Genetic and Rare Diseases Information Center](#) resources: [Narcolepsy](#) [Idiopathic Hypersomnia](#)[U.S. FDA Resources](#)

Arms and Interventions

Go to

Arm 	Intervention/treatment 
Active Comparator: Modafinil Participants in this study arm will take modafinil .	Drug: Modafinil Participants will received 100-400 milligrams (mg) per day of modafinil for 12 weeks. Other Name: Provigil

Experimental: Amphetamine-dextroamphetamine

Participants in this study arm will take amphetamine-dextroamphetamine (amphetamine salts).

Drug: Amphetamine-Dextroamphetamine

Participants will receive 10-40 mg/day of oral amphetamine salts for 12 weeks.

Other Name: Adderall

Outcome Measures

Go to

Primary Outcome Measures

1. Change in Epworth Sleepiness Scale (ESS) Score [Time Frame: Baseline, Week 12]

The Epworth Sleepiness Scale (ESS) asks respondents to indicate how likely they are to doze off or fall asleep during daytime situations such as reading or talking to someone. There are 8 items which are answered on a scale of 0 to 4 where 0 = would never doze and 4 = high chance of dozing. Total score can range from 0 to 24, with higher scores indicating more sleepiness. A score of 0 to 5 can be interpreted as "lower normal daytime sleepiness", a score of 6 to 10 is "higher normal daytime sleepiness", score between 11 to 12 are "mild excessive daytime sleepiness, scores of 13 to 15 are "moderate excessive daytime sleepiness" and scores of 16 to 24 indicate "severe excessive daytime sleepiness".

Secondary Outcome Measures

1. Change in Patient Global Impression of Change (PGIc) for Sleepiness Score [Time Frame: Weeks 4, 8, 12]

The PGIc for Sleepiness asks respondents to rate their sleepiness compared to baseline. Responses are indicated on a scale of 1 to 7 where 1 = very much improved and 7 = very much worse.

2. Change in Patient Global Impression of Change (PGIc) for Sleep Inertia Score [Time Frame: Weeks 4, 8, 12]

The PGIc for Sleep Inertia asks respondents to rate their sleep inertia compared to baseline. Sleep inertia is defined for participants as "difficulty waking up and getting out of bed in the morning because of sleepiness". Responses are indicated on a scale of 1 to 7 where 1 = very much improved and 7 = very much worse.

3. Change in Patient Global Impression of Change (PGIc) for Cognitive Dysfunction Score [Time Frame: Weeks 4, 8, 12]

The PGIc for Cognitive Dysfunction asks respondents to rate their cognitive dysfunction compared to baseline. Cognitive dysfunction is defined for participants as "difficulty with thinking, problems with attention or concentration, and/or brain fog". Responses are indicated on a scale of 1 to 7 where 1 = very much improved and 7 = very much worse.

Eligibility Criteria

Go to

Information from the National Library of Medicine



Choosing to participate in a study is an important personal decision. Talk with your doctor and family members or friends about deciding to join a study. To learn more about this study, you or your doctor may contact the study research staff using the contacts provided below. For general information, [Learn About Clinical Studies](#).

Ages Eligible for Study: 18 Years and older (Adult, Older Adult)

Sexes Eligible for Study: All

Accepts Healthy Volunteers: No

Criteria

Inclusion Criteria:

- A diagnosis of idiopathic hypersomnia or narcolepsy type 2 (without cataplexy), according with the International Classification of Sleep Disorders, third edition (ICSD-3) criteria

Exclusion Criteria:

- Obstructive sleep apnea (Apnea-Hypopnea Index (AHI) > 5)
- Severe periodic limb movements of sleep with arousals (periodic limb movements (PLM) arousal index > 30)
- Allergy to either of the study drugs
- Contraindication to either of the study drugs
 - For modafinil, these contraindications include: history of left ventricular hypertrophy, mitral valve prolapse, severe cardiovascular disease, unstable angina, myocardial infarction, severe hepatic impairment, substance abuse history, psychosis, or unstable depression or mania
 - Contraindications to amphetamine salts, in addition to those listed above, include: other cardiac structural abnormalities, cardiomyopathy, severe arrhythmias, uncontrolled hypertension, glaucoma, Tourette's syndrome, and epilepsy
- Women who are pregnant, planning to become pregnant within 16 weeks, or breastfeeding will be excluded

Contacts and LocationsGo to **Information from the National Library of Medicine**

To learn more about this study, you or your doctor may contact the study research staff using the contact information provided by the sponsor.

*Please refer to this study by its ClinicalTrials.gov identifier (NCT number): **NCT03772314***

Contacts

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Sponsors and Collaborators

Emory University
American Academy of Sleep Medicine

Investigators

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More InformationGo to

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ClinicalTrials.gov Identifier: [NCT03772314](#) [History of Changes](#)
Other Study ID Numbers: IRB00108167
First Posted: December 11, 2018 [Key Record Dates](#)
Last Update Posted: December 11, 2018
Last Verified: December 2018

Individual Participant Data (IPD) Sharing Statement:

Plan to Share IPD: No

Studies a U.S. FDA-regulated Drug Product: Yes

Studies a U.S. FDA-regulated Device Product: No

Product Manufactured in and Exported from the U.S.: No

Additional relevant MeSH terms:

Modafinil**Armodafinil**

Narcolepsy

Disorders of Excessive Somnolence

Cataplexy

Hypersomnolence, Idiopathic

Sleep Disorders, Intrinsic

Dyssomnias

Sleep Wake Disorders

Nervous System Diseases

Mental Disorders

Amphetamine

Dextroamphetamine

Adderall

Wakefulness-Promoting Agents

Central Nervous System Stimulants

Cytochrome P-450 CYP3A Inducers

Cytochrome P-450 Enzyme Inducers

Molecular Mechanisms of Pharmacological Action

Physiological Effects of Drugs

Sympathomimetics

Autonomic Agents

Peripheral Nervous System Agents

Dopamine Agents

Neurotransmitter Agents

Adrenergic Agents

Adrenergic Uptake Inhibitors

Neurotransmitter Uptake Inhibitors

Membrane Transport Modulators

Dopamine Uptake Inhibitors