Use: Lexiscan (regadenoson) injection is a prescription drug given through an IV line that increases blood flow through the arteries of the heart during a cardiac nuclear stress test. Lexiscan is given to patients when they are unable to exercise adequately for a stress test.

Important Safety Information: Lexiscan should not be given to patients who have certain abnormal heart rhythms unless they have a pacemaker.

PLEASE SEE IMPORTANT SAFETY INFORMATION ON PAGE 16. PLEASE SEE FULL PRESCRIBING INFORMATION ON PAGES 22-25.
What is coronary artery disease?
The heart is a specialized muscle. Like other muscles in your body, it needs oxygen and nutrients. The coronary (heart) arteries deliver oxygen and nutrients to your heart so that it can effectively pump blood throughout your body. People with heart disease may have 1 or more coronary arteries that have become narrowed or clogged over time by fatty deposits (also called plaques). These can decrease blood flow to the heart. Page 2 is an illustration that shows you what a healthy artery looks like compared with an unhealthy artery.

So less blood flow is bad, right?
Exactly. Reduced blood flow may cause chest pain (angina), shortness of breath, and potentially a heart attack. Injured heart muscle can be permanently damaged if the coronary arteries stay blocked for too long. If there is a problem with your heart, it is important to find out about it as soon as possible.

My doctor scheduled me for an MPI test. What is it?
MPI stands for myocardial perfusion imaging (MPI). The “myocardium” is your heart muscle. “Perfusion” refers to blood flow. And “imaging” is exactly what it sounds like, taking pictures. So, myocardial perfusion imaging is basically just taking pictures of the blood flow to your heart. MPI is also called a cardiac nuclear stress test. It provides detailed images that can be used to diagnose and assess coronary artery disease.

Okay, but how common is it?
Very common. In fact, more than 3 million people had this test performed on them last year. It helps physicians see if there’s a problem with your heart.
Myocardial perfusion imaging

Does it hurt?

Except for a small needle (catheter) that will be placed in a vein in your arm at the start of the test, MPI is a noninvasive test. That means it takes place outside of your body and does not involve surgery of any kind. You will stay awake and alert the entire time.

A small amount of radioactive liquid (called a tracer) will be injected into your bloodstream through the catheter during the MPI test. This tracer helps the doctor see the blood flow to your heart. You probably will not feel any effects from the tracer, which your body eliminates by natural means.

So it’s radioactive?

Yes. Remember, radiation is always around us, from computers to wireless technology. Your doctor will make sure this is an appropriate test by looking at the amount of radiation you will be exposed to compared to your risks for heart disease. In many cases, not having this test may present higher risk than having it done.

Okay, how do the pictures work? Is there a camera or something?

Yes. A special camera will take pictures of your heart once the tracer moves through your arteries. Depending on the type of test, you may be required to have 2 sets of pictures taken by the camera at 2 different times (either later that day or even the next). These pictures give doctors detailed information about blood flow into your heart. They might see that some areas of your heart are blocked and not getting all the oxygen and nutrients they need. This information will help your doctors decide what steps should be taken next.
**Important Safety Information**

Lexiscan can cause serious or fatal cardiac arrest, abnormal heart rhythms or heart attack.

Allergic reactions can occur after Lexiscan injection.

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**How will the test be monitored?**

Your MPI test will be done under the supervision of your heart imaging team, which may consist of a cardiologist, a certified technologist, a radiologist, and/or a registered nurse. In addition to the catheter, electrocardiograph (ECG) leads will be placed on your upper body, and a blood pressure cuff will be used to check your blood pressure. These are all normal monitoring procedures during the test.

**What else happens during an MPI test?**

To help the tracer move quickly through your body and to your heart, it is necessary to get more blood flowing to your heart. This can often be achieved by walking briskly on a treadmill. This test is known as “exercise stress.” If for any reason, you are not able to exercise on the treadmill for your MPI test, your doctor may prescribe a medication that will be given through the catheter to increase blood flow to your heart. This procedure is called pharmacologic stress—and it’s used millions of times a year to help produce accurate images.

**Really? That seems like a lot.**

Well, there are any number of reasons why someone may be unable to exercise adequately for an MPI test. Age, obesity, arthritis, diabetes, and even chronic kidney disease can make exercise difficult.

**I see. What’s the drug called?**

There are a few different pharmacologic stress agents available, but the most commonly used one is called Lexiscan® (regadenoson) injection.
Lexiscan® (regadenoson) injection

What exactly does Lexiscan do?
Lexiscan is a prescription drug given through an IV line that increases blood flow through the arteries of the heart during a cardiac nuclear stress test. Lexiscan is given to patients when they are unable to exercise adequately for a stress test.

How will Lexiscan be given?
Well, you may be lying down on a hospital cart or sitting in a chair when you receive Lexiscan. A nurse or other lab professional will inject the Lexiscan, and then the tracer, through the catheter that is already in your arm. You’ll feel the effects of the Lexiscan almost immediately.

It’s important to understand, whether you exercise on a treadmill or receive Lexiscan stress, the goal is the same: to increase blood flow to your heart so that the tracer is completely distributed throughout your heart for accurate imaging.

What are the most common side effects with Lexiscan?
The most common side effects that occurred in clinical trials of Lexiscan were shortness of breath, headache, flushing, chest discomfort or chest pain, dizziness, nausea, abdominal discomfort, a metallic taste in the mouth, and feeling hot. Most common side effects began soon after receiving Lexiscan and went away within 15 minutes except for headache which resolved in most patients within 30 minutes.

Such effects are expected, so be sure to tell the physician or lab personnel how you’re feeling. Remember, these effects usually go away within minutes. After you receive Lexiscan, you’ll be ready for the images to be taken.

Important Safety Information
Drugs such as Lexiscan may cause an increase or decrease in blood pressure, especially in patients with certain heart and blood vessel disorders.

Lexiscan can cause breathing difficulties. Before receiving Lexiscan, tell your doctor if you have respiratory diseases, such as COPD (chronic obstructive pulmonary disease) or asthma. Tell your doctor about all medications you use to manage these conditions.
What do I need to do during the imaging part of the test?

For the best possible images of your heart, just do your best to relax and stay still. The goal is to be sure you are as comfortable as possible during the procedure. You may still be feeling the effects of Lexiscan® (regadenoson) injection when you’re ready for the images to be taken. This is expected.

During the imaging part of the test, you’ll rest on your back with your arms above your head. The camera will take images of your heart for about 20 to 40 minutes. It’s very important that you’re comfortable so that you can be as still as possible so that the camera can produce the best images. The camera is large, but don’t worry. It won’t touch your body, and it doesn’t hurt.

Important Safety Information

Avoid consuming any caffeine-containing foods and beverages or medicines containing caffeine, aminophylline or theophylline in the 12 hours before your scheduled heart scan.

Ask your doctor if you should stop taking any medications you usually take before the day of the test.

Lexiscan can increase the risk of seizures. Before receiving Lexiscan, tell your doctor if you have a history of seizures.

Lexiscan can cause stroke, which may be a result of an increase or decrease in blood pressure.

You are encouraged to report negative side effects of prescription drugs to the FDA. Visit www.fda.gov/medwatch or call 1-800-FDA-1088.
You mentioned that there might be 2 sets of images. How does that work?

One set of images will be taken after the treadmill exercise or after you’ve received pharmacologic stress. You may have another set of images taken while you’re at rest. Comparing these 2 sets of images makes it easier for your doctor to see if any parts of your heart are not getting enough blood.

What happens after the test?

A nuclear cardiologist or radiologist will look at the pictures of your heart to look for areas that might not be getting enough blood. They will discuss the images with the doctor who ordered the test, who may be your cardiologist or your primary care doctor. When you meet with your doctor, you’ll discuss the test results and decide what steps to take next. These may include some simple lifestyle changes, new medications, or more testing.
Preparing for the test

Which foods, drinks, and medications should I avoid before my test?

DO NOT consume caffeine-containing foods and drinks or medications that contain methy/xanthines (eg, caffeine, aminophylline, or theophylline) in the 12 hours before your scheduled pharmacologic stress test with Lexiscan® (regadenoson) injection. In addition, avoid any prescription medications containing dipyridamole in the 48 hours before your stress test.

This is a short list of some foods and drugs to avoid before the test. Remember, it is only a partial list. Your doctor and pharmacist will know about other products, foods, drinks, and medications you shouldn’t have before your test. Be sure to tell your doctor which over-the-counter (OTC) and prescription drugs you’re currently taking. Your doctor will then give you instructions about those medications.

<table>
<thead>
<tr>
<th>Foods to avoid</th>
<th>Drinks to avoid</th>
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</thead>
<tbody>
<tr>
<td>chocolate candies</td>
<td>chocolate milk</td>
</tr>
<tr>
<td>chocolate cakes</td>
<td>hot cocoa</td>
</tr>
<tr>
<td>brownies</td>
<td>coffee (brewed, instant, iced, decaf)</td>
</tr>
<tr>
<td>chocolate pudding</td>
<td>tea (brewed, instant, iced, decaf)</td>
</tr>
<tr>
<td>energy bars</td>
<td>soda pop (including “caffeine-free”)</td>
</tr>
<tr>
<td>foods containing guarana</td>
<td>energy drinks</td>
</tr>
<tr>
<td></td>
<td>drinks containing guarana</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>OTC drugs containing caffeine</th>
<th>Prescription drugs containing dipyridamole (withhold for 48 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anacin® (aspirin, caffeine)</td>
<td>Aggrenox® (aspirin, dipyridamole)</td>
</tr>
<tr>
<td>Excedrin® (acetaminophen, aspirin, caffeine)</td>
<td>Persantine® (dipyridamole)</td>
</tr>
<tr>
<td>Vivarin® (caffeine)</td>
<td></td>
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<tr>
<td>NoDoz® (caffeine)</td>
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<table>
<thead>
<tr>
<th>Prescription drugs containing caffeine</th>
<th>Prescription drugs containing theophylline</th>
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<tbody>
<tr>
<td>Cafergot® (ergotamine tartrate, caffeine)</td>
<td>Elixophylline® (theophylline)</td>
</tr>
<tr>
<td>Esopic® (butalbital, acetaminophen, caffeine)</td>
<td>Theo-24® (theophylline)</td>
</tr>
<tr>
<td>Fioricet® (butalbital, acetaminophen, caffeine)</td>
<td>Theolair® (theophylline)</td>
</tr>
<tr>
<td>Fiorinal® (butalbital, aspirin, caffeine)</td>
<td></td>
</tr>
<tr>
<td>Norgesic® (orphenadrine, aspirin, caffeine)</td>
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<tr>
<td>Norgesic® Forte (orphenadrine, aspirin, caffeine)</td>
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<tr>
<td>Synalgos®-DC (dihydrocodeine, aspirin, caffeine)</td>
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<tr>
<td></td>
<td>Prescription drugs containing aminophylline</td>
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<tr>
<td></td>
<td>Norphyl® (aminophylline)</td>
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<tr>
<td></td>
<td>Phyllocontin® (aminophylline)</td>
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<tr>
<td></td>
<td>Truphylline® (aminophylline)</td>
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</tbody>
</table>
Lexiscan is a prescription drug given through an IV line that increases blood flow through the arteries of the heart during a cardiac nuclear stress test. Lexiscan is given to patients when they are unable to exercise adequately for a stress test.

**IMPORTANT SAFETY INFORMATION**

- Lexiscan should not be given to patients who have certain abnormal heart rhythms unless they have a pacemaker.
- Lexiscan can cause serious or fatal cardiac arrest, abnormal heart rhythms or heart attack.
- Allergic reactions can occur after Lexiscan injection.
- Drugs such as Lexiscan may cause an increase or decrease in blood pressure, especially in patients with certain heart and blood vessel disorders.

**IMPORTANT SAFETY INFORMATION (CONT.)**

- Lexiscan can cause breathing difficulties. Before receiving Lexiscan, tell your doctor if you have respiratory diseases, such as COPD (chronic obstructive pulmonary disease) or asthma. Tell your doctor about all medications you use to manage these conditions.
- Lexiscan can increase the risk of seizures. Before receiving Lexiscan, tell your doctor if you have a history of seizures.
- Lexiscan can cause stroke, which may be a result of an increase or decrease in blood pressure.
- The most common side effects that occurred in clinical trials of Lexiscan were shortness of breath, headache, flushing, chest discomfort or chest pain, dizziness, nausea, abdominal discomfort, a metallic taste in the mouth, and feeling hot. Most common side effects began soon after receiving Lexiscan and went away within 15 minutes except for headache, which resolved in most patients within 30 minutes.
- Avoid consuming any caffeine-containing foods and beverages or medicines containing caffeine, aminophylline or theophylline in the 12 hours before your scheduled heart scan.
- Ask your doctor if you should stop taking any medications you usually take before the day of the test.

You are encouraged to report negative side effects of prescription drugs to the FDA. Visit www.fda.gov/medwatch or call 1-800-FDA-1088.
All right. I think I understand the test. So what should I do to prepare for it?

Glad you asked! Be sure to read and understand the following steps to take BEFORE the day of your test:

- Ask your doctor if you should follow any dietary restrictions before your test
- Ask your doctor if you should stop taking any medications you usually take before the day of the test
- If you have diabetes and use insulin or oral diabetes medications, ask your doctor for special instructions
- Tell your doctor if you have a history of wheezing, asthma, or chronic lung disease
- Tell your doctor if you have a history of seizures

**DO NOT** consume foods, drinks, or medications that contain methylxanthines (eg, caffeine, aminophylline, or theophylline) for at least **12 hours before the Lexiscan® (regadenoson) injection test**; one easy way to remember this is: **“12 hours or less, no pharm stress.”**

Some medications containing certain ingredients should also be avoided; see the list on pages 14 and 15 for products you should avoid

- **DO NOT** apply creams, lotions, or powder to your chest area on the day of the test
- Wear comfortable clothing and shoes

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Please see important safety information on page 16.

Please see full prescribing information on pages 22-25.
Now you know

Hopefully this brochure has helped you get a better understanding of your cardiac nuclear stress test with Lexiscan® (regadenoson) injection. For more tips on how to prepare for your test, see the adjacent panel, which you can detach and bring with you on the day of your appointment.

The information in this booklet is only a starting point. Be sure to talk with your physician. If you have questions, please talk with all of your healthcare providers.

Presented by:

Astellas Pharma US, Inc.
1 Astellas Way, Northbrook, IL 60062 USA
1-800-888-7704

Lexiscan® (regadenoson) injection was developed in collaboration with Gilead Palo Alto, Inc. (formerly CV Therapeutics, Inc.). Lexiscan is a registered trademark of Astellas US LLC. Other trademarks listed belong to their respective owners.

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012-0181-PM 8/14
Minimal cardiomyopathy (myocyte necrosis and inflammation) was observed in rats when administered to rabbits during organogenesis. Regadenoson metabolism in humans is unknown. Incubation with rat, dog, and human liver microsomes showed the metabolism of regadenoson. Profound hypotension induced by vasoactive drugs is known to cause cardiomyopathy was noted in rats sacrificed 15 days following single administration; followed immediately by saline flush and radiopharmaceutical.

DOSAGE AND ADMINISTRATION:
- The recommended dose of Lexiscan (regadenoson) was by rapid intravenous injection followed immediately by saline flush and radiopharmaceutical.

CONTRAINDICATIONS:
- Do not administer Lexiscan to patients with:
  - Second- or third-degree AV block, or
  - Sinus node dysfunction unless the patients have a functioning artificial pacemaker.

WARNINGS AND PRECAUTIONS:
- Myocardial ischemia. Fatal cardiac events have occurred. Avoid use in patients with symptoms or signs of acute myocardial ischemia, for example unstable angina or cardiovascular instability, who may be at greater risk. Cardiac resuscitation equipment and trained staff should be available before administration.
- Sinusoidal (SA) and Atrialventricular (AV) Nodal Block. Adenosine receptor agonists, including Lexiscan, may depress the SA and AV nodes and may cause first-, second-, or third-degree AV block, or sinus bradycardia.
- Atrial Fibrillation/Flutter. New-onset or recurrent atrial fibrillation with rapid ventricular response and atrial flutter have been reported.
- Hypersensitivity, including Anaphylaxis. Anaphylaxis, angioedema, cardiac, or respiratory arrest, respiratory distress, decreased oxygen saturation, hypotension, throat tightness, urticaria, and rashes have occurred. Have personnel and resuscitation equipment immediately available.
- Hypotension. Adenosine receptor agonists, including Lexiscan, induce vasodilatation and hypotension. The risk of serious hypotension may be higher in patients with autonomic dysfunction, stenotic valvular heart disease, pericarditis or pericardial effusions, stenotic carotid artery disease with cerebrovascular insufficiencies, or hypovolemia.
- Hypertension. Adenosine receptor agonists, including Lexiscan, may induce clinically significant increases in blood pressure particularly in patients with a history of hypertension and when the MPI includes low level exercise.
- Bronchocostriction. Adenosine receptor agonists, including Lexiscan, may induce dyspnea, bronchoconstriction and respiratory compromise in patients with COPD or asthma. Resuscitative medications should be available.
- Seizure. Lexiscan may lower the seizure threshold. New onset or recurrence of convulsive seizures has occurred. Some seizures are prolonged and require urgent anticonvulsive management. Methylxanthine use is not recommended in patients who experience a seizure in association with Lexiscan.
- Cerebrovascular Accident (Stroke). Hemorrhagic and ischemic cerebrovascular accidents have occurred.

ADVERSE REACTIONS:
The most common (incidence ≥ 5%) adverse reactions to Lexiscan are dyspnea, headache, flushing, chest discomfort, dizziness, angina pectoris, chest pain, and nausea. To report SUSPECTED ADVERSE REACTIONS, contact Astellas Pharma US, Inc. at 1-800-277-7003 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch

DRUG INTERACTIONS:
- Methylxanthines, e.g., caffeine, amphetamines and theophylline, interfere with the activity of Lexiscan. This may attenuate severe and/or persistent adverse reactions to Lexiscan.
- Diprymidole may increase the activity of Lexiscan. When possible, withhold diprymidole for at least two days prior to Lexiscan administration.

See 17 for PATIENT COUNSELING INFORMATION

FULL PRESCRIBING INFORMATION: CONTENTS:
1 INDICATIONS AND USAGE
2 DOSAGE AND ADMINISTRATION
3 DOSAGE FORMS AND STRENGTHS
4 CONTRAINDICATIONS
5 WARNINGS AND PRECAUTIONS
6 ADVERSE REACTIONS
7 DRUG INTERACTIONS
8 USE IN SPECIFIC POPULATIONS
9 NONCLINICAL TOXICOLOGY
10 OVERDOSAGE
11 DESCRIPTION
12 CLINICAL PHARMACOLOGY
13 CLINICAL STUDIES
14 HOW SUPPLIED/STORAGE AND HANDLING
15 PATIENT COUNSELING INFORMATION

1 INDICATIONS AND USAGE
Lexiscan® (regadenoson) injection is a pharmacologic stress agent indicated for radionuclide myocardial perfusion imaging (MPI) in patients unable to undergo adequate exercise stress.

2 DOSAGE AND ADMINISTRATION
The recommended intravenous dose of Lexiscan is 5 mL (0.4 mg regadenoson).

3 DOSAGE FORMS AND STRENGTHS
Single-use pre-filled syringe: Injection solution containing regadenoson 0.4 mg/5 mL (0.08 mg/mL).

4 CONTRAINDICATIONS
Do not administer Lexiscan to patients with:
- Second- or third-degree AV block, or
- Sinus node dysfunction unless the patients have a functioning artificial pacemaker.

5 WARNINGS AND PRECAUTIONS
5.1 Myocardial Ischemia
- Fatal and nonfatal myocardial infarction, ventricular arrhythmias, and cardiac arrest have occurred following Lexiscan injection. Avoid use in patients with symptoms or signs of acute myocardial ischemia, for example unstable angina or cardiovascular instability, who may be at greater risk. Cardiac resuscitation equipment and trained staff should be available before administration.

5.2 Sinusoidal and Atrioventricular Nodal Block
- Adenosine receptor agonists, including Lexiscan, may depress the SA and AV nodes and may cause first-, second-, or third-degree AV block, or sinus bradycardia.

5.3 Atrial Fibrillation/Flutter
- New-onset or recurrent atrial fibrillation with rapid ventricular response and atrial flutter have been reported.

5.4 Hypersensitivity, Including Anaphylaxis
- Adenosine receptor agonists, including Lexiscan, may cause hypotension, throat tightness, urticaria, and rashes.

5.5 Hypertension
- Adenosine receptor agonists, including Lexiscan, may induce clinically significant increases in blood pressure particularly in patients with a history of hypertension and when the MPI includes low level exercise.

5.6 Hypotension
- Bronchoconstriction. Adenosine receptor agonists, including Lexiscan, may induce dyspnea, bronchoconstriction and respiratory compromise in patients with COPD or asthma.

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- New-onset or recurrent convulsive seizures have occurred. Some seizures are prolonged and require urgent anticonvulsive management.

5.9 Cerebrovascular Accident (Stroke)
- Hemorrhagic and ischemic cerebrovascular accidents have occurred.

6 ADVERSE REACTIONS
- The most common (incidence ≥ 5%) adverse reactions to Lexiscan are dyspnea, headache, flushing, chest discomfort, dizziness, angina pectoris, chest pain, and nausea.
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7 DRUG INTERACTIONS
- Methylenxthines, e.g., caffeine, amphetamines and theophylline, interfere with the activity of Lexiscan. This may attenuate severe and/or persistent adverse reactions to Lexiscan.
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See 17 for PATIENT COUNSELING INFORMATION

8 USE IN SPECIFIC POPULATIONS
8.1 Pregnancy
8.3 Nursing Mothers
8.4 Pediatric Use
8.5 Geriatric Use
8.6 Renal Impairment

10 OVERDOSAGE
11 DESCRIPTION
12 CLINICAL PHARMACOLOGY
13 CLINICAL STUDIES
14 HOW SUPPLIED/STORAGE AND HANDLING
15 PATIENT COUNSELING INFORMATION

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- New-onset or recurrent convulsive seizures have occurred. Some seizures are prolonged and require urgent anticonvulsive management.

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- Hemorrhagic and ischemic cerebrovascular accidents have occurred.

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who experienced an increase in blood pressure in clinical trials, the increase was observed within minutes of Lexiscan administration. Most increases resolved within 10 to 15 minutes, but in some cases, increases were observed at 45 minutes following administration [see Clinical Pharmacology (12.2)]. In post-marketing experience, cases of potentially clinically significant hypertension have been reported, particularly with underlying hypertension and when low-level exercise was included in the MPI [see Adverse Reactions (6.2)].

5.7 Bronchodemotion
Adenosine receptor agonists, including Lexiscan, may cause dyspnea, bronchoconstriction, and respiratory compromise. Appropriate bronchodilator therapy and resuscitative measures should be available prior to Lexiscan administration [see Adverse Reactions (6.1), Clinical Pharmacology (12.2), Overdosage (10) and Patient Counseling Information (17)].

5.8 Seizure
Lexiscan may lower the seizure threshold. New-onset or recurrence of convulsive seizures has occurred following Lexiscan injection. Some seizures are prolonged and require emergent anticonvulsive management. Aminophylline may increase the risk of seizures associated with Lexiscan injection. Methylyxanthine use is not recommended in patients who experience a seizure in association with Lexiscan administration.

5.9 Cerebrovascular Accident (Stroke)
Hemorrhagic and ischemic cerebrovascular accidents have occurred. Hemodynamic effects of Lexiscan including hypotension or hypertension may be associated with these adverse reactions [see Warnings and Precautions (5.5) and (5.9)].

6 ADVERSE REACTIONS
The following adverse reactions are discussed in more detail in other sections of the labeling.

- Myocardial ischemia [see Warnings and Precautions (5.1)]
- Sinoatrial and Atioventricular Nodal Block [see Warnings and Precautions (5.2)]
- Atrial Fibrillation/Atrial Flutter [see Warnings and Precautions (5.3)]
- Hypersensitivity, Including Anaphylaxis [see Warnings and Precautions (5.4)]
- Hypotension [see Warnings and Precautions (5.5)]
- Hypertension [see Warnings and Precautions (5.6)]
- Bronchodconstriction [see Warnings and Precautions (5.7)]
- Seizure [see Warnings and Precautions (5.8)]
- Cerebrovascular Accident (Stroke) [see Warnings and Precautions (5.9)]

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

During clinical development, 1,651 subjects were exposed to Lexiscan, with most receiving 0.4 mg as a rapid (≤ 10 seconds) intravenous injection. Most of these subjects received Lexiscan in two clinical studies that enrolled patients who had no history of bronchospastic lung disease as well as no history of a cardiac conduction block of greater than first-degree AV block, except for patients with functioning artificial pacemakers. In these studies (Studies 1 and 2), 2,015 patients underwent myocardial perfusion imaging after administration of Lexiscan (N = 1,337) or Adenoscan® (N = 678). The population was 26–85 years of age (median 66 years), 70% male and primarily Caucasian (71% Caucasian, 7% African American, 9% Hispanic, 5% Asian). Table 1 shows the most frequently reported adverse reactions.

Overall, any adverse reaction occurred at similar rates between the study groups (80% for the Lexiscan group and 83% for the Adenoscan group). Aminophylline was used to treat the reactions in 3% of patients in the Lexiscan group and 2% of patients in the Adenoscan group. Most adverse reactions began soon after dosing, and generally resolved within approximately 15 minutes, except for headache which resolved in most patients within 30 minutes.

Table 1 Adverse Reactions in Studies 1 and 2 Pooled (Frequency ≥ 5%)

<table>
<thead>
<tr>
<th>Drug</th>
<th>N evaluable</th>
<th>Lexiscan</th>
<th>Adenoscan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dyspnea</td>
<td>1,137</td>
<td>28%</td>
<td>26%</td>
</tr>
<tr>
<td>Headache</td>
<td>1,137</td>
<td>26%</td>
<td>17%</td>
</tr>
<tr>
<td>Flushing</td>
<td>1,137</td>
<td>16%</td>
<td>25%</td>
</tr>
<tr>
<td>Chest Discomfort</td>
<td>1,137</td>
<td>13%</td>
<td>18%</td>
</tr>
<tr>
<td>Angina Pectoris or ST Segment Depression</td>
<td>1,137</td>
<td>12%</td>
<td>18%</td>
</tr>
<tr>
<td>Dizziness</td>
<td>1,137</td>
<td>8%</td>
<td>7%</td>
</tr>
<tr>
<td>Chest Pain</td>
<td>1,137</td>
<td>7%</td>
<td>10%</td>
</tr>
<tr>
<td>Nausea</td>
<td>1,137</td>
<td>6%</td>
<td>6%</td>
</tr>
<tr>
<td>Abdominal Discomfort</td>
<td>1,137</td>
<td>5%</td>
<td>2%</td>
</tr>
<tr>
<td>Dysgeusia</td>
<td>1,137</td>
<td>5%</td>
<td>7%</td>
</tr>
<tr>
<td>Feeling Hot</td>
<td>1,137</td>
<td>5%</td>
<td>8%</td>
</tr>
</tbody>
</table>

ECG Abnormalities
The frequency of rhythm or conduction abnormalities following Lexiscan or Adenoscan is shown in Table 2 [see Warnings and Precautions (5.5)].

### Table 2 Rhythm or Conduction Abnormalities* in Studies 1 and 2

<table>
<thead>
<tr>
<th>Measure</th>
<th>Lexiscan N (%)</th>
<th>Adenoscan N (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhythm or conduction abnormalities†</td>
<td>332/1275 (26%)</td>
<td>192/645 (30%)</td>
</tr>
<tr>
<td>Rhythm abnormalities</td>
<td>260/1275 (20%)</td>
<td>131/645 (20%)</td>
</tr>
<tr>
<td>PACs</td>
<td>86/1274 (7%)</td>
<td>57/645 (9%)</td>
</tr>
<tr>
<td>PVCs</td>
<td>179/1274 (14%)</td>
<td>79/645 (12%)</td>
</tr>
<tr>
<td>First-degree AV block (PR prolongation &gt; 220 msec)</td>
<td>34/1209 (3%)</td>
<td>43/618 (7%)</td>
</tr>
<tr>
<td>Second-degree AV block</td>
<td>1/1209 (0.1%)</td>
<td>9/618 (1%)</td>
</tr>
<tr>
<td>AV conduction abnormalities (other than AV blocks)</td>
<td>1/1209 (0.1%)</td>
<td>0/618 (0%)</td>
</tr>
<tr>
<td>Ventricular conduction abnormalities</td>
<td>64/1152 (6%)</td>
<td>31/581 (5%)</td>
</tr>
</tbody>
</table>

*12-lead ECGs were recorded before and up to 2 hrs after dosing
† Includes rhythm abnormalities (PACs, PVCs, atrial fibrillation/flutter, wandering atrial pacemaker, supraventricular or ventricular arrhythmia) or conduction abnormalities, including AV block

Respiratory Abnormalities
In a randomized, placebo-controlled trial (Study 3) of 999 subjects with asthma (N = 532) or stable chronic obstructive pulmonary disease (N = 467), the overall incidence of pre-specified respiratory adverse reactions was greater in the Lexiscan group compared to the placebo group (p < 0.001). Most respiratory adverse reactions resolved without therapy; a few subjects received aminophylline or a short acting bronchodilator. No differences were observed between treatment arms in the reduction of > 15% from baseline at two hours in FEV1 (Table 3).

### Table 3 Respiratory Adverse Effects in Study 3†

<table>
<thead>
<tr>
<th>Measure</th>
<th>Asthma Cohort</th>
<th>COPD Cohort</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure</td>
<td>Lexiscan (N = 356)</td>
<td>Placebo (N = 176)</td>
</tr>
<tr>
<td>Dyspnea</td>
<td>12.9%</td>
<td>2.3%</td>
</tr>
<tr>
<td>Wheezing</td>
<td>10.7%</td>
<td>1.1%</td>
</tr>
<tr>
<td>FEV1 reduction &gt; 15%†</td>
<td>3.1%</td>
<td>1.1%</td>
</tr>
</tbody>
</table>

All subjects continued the use of their respiratory medications as prescribed prior to administration of Lexiscan.
† Patients may have reported more than one type of adverse reaction. Adverse reactions were collected up to 24 hours following drug administration. Pre-specified respiratory adverse reactions included dyspnea, wheezing, obstructive airway disorder, dyspnea resolution, and tachypnea.

Change from baseline at 2 hours

Renal Impairment
In a randomized, placebo-controlled trial of 504 subjects (Lexiscan N=334 and placebo n=170) with a diagnosis or risk factors for coronary artery disease and NKF/DOQI Stage III or IV renal impairment (defined as GFR 15-59 mL/min/1.73 m2), no serious adverse events were reported through the 24-hour follow-up period.

6.2 Post-Marketing Experience

Cardiovascular
Myocardial infarction, cardiac arrest, ventricular arrhythmias, supraventricular tachyarrhythmias including atrial fibrillation with rapid ventricular response (new-onset or recurrent), atrial flutter, heart block (including third-degree block), asystole, marked hypertension, symptomatic hypotension in association with transient ischemic attack, seizures and syncope [see Warnings and Precautions (5.1), (5.2), (5.3), (5.5), (5.6) and (5.8)] have been reported. Some events required intervention with fluids and/or aminophylline [see Overdosage (10)]. QTc prolongation shortly after Lexiscan administration has been reported.

Central Nervous System
Tremor, seizure, transient ischemic attack, and cerebrovascular accident including intracranial hemorrhage [see Warnings and Precautions (5.8) and (5.9)].

Gastrointestinal
Abdominal pain, occasionally severe, has been reported a few minutes after Lexiscan administration, in association with nausea, vomiting, or myalgias; administration of aminophylline, an adenosine antagonist, appeared to lessen the pain. Diarrhea and fecal incontinence have also been reported following Lexiscan administration.

Hypersensitivity
Anaphylaxis, angioedema, cardiac or respiratory arrest, respiratory distress, decreased oxygen saturation, hypotension, throat tightness, urticaria, rashes have occurred and have required treatment including resuscitation [see Warnings and Precautions (5.4)].

Musculoskeletal
Musculoskeletal pain has occurred, typically 10-20 minutes after Lexiscan administration; the pain was occasionally severe, localized in the arms and lower back and extended to the buttocks and lower legs bilaterally. Administration of aminophylline appeared to lessen the pain.

Respiratory
Respiratory arrest, dyspnea and wheezing have been reported following Lexiscan administration. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to Lexiscan exposure.
The effects of Other Drugs on Lexiscan

- Methylxanthines (e.g., caffeine, aminophylline and theophylline) are non-specific adenosine receptor antagonists that interfere with the vasodilatory activity of Lexiscan [see Clinical Pharmacology (12.2) and Patient Counseling Information (17)]. Patients receiving medications containing methylxanthines as well as any drugs containing theophylline or aminophylline for at least 12 hours before Lexiscan administration. Aminophylline may be used to attenuate severe or persistent adverse reactions to Lexiscan [see Overdosage (10)].

- In clinical studies, Lexiscan was administered to patients taking other cardiovascular drugs (i.e., β-blockers, calcium channel blockers, ACE inhibitors, nitrates, cardiac glycosides, and angiotensin receptor blockers) without reported adverse reactions apparent effects on efficacy.

- Dipryidamole may change the effects of Lexiscan. When possible, withhold dipryidamole for at least 2 days prior to Lexiscan administration.

6.2 Effect of Lexiscan on Other Drugs

Regadenoson does not inhibit the metabolism of substrates for CYP1A2, CYP2C9, CYP2C19, CYP2D6, or CYP3A4 in human liver microsomes, indicating that it is unlikely to alter the pharmacokinetics of drugs metabolized by these cytochrome P450 enzymes.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Category C: There are no adequate well-controlled studies with Lexiscan in pregnant women. Lexiscan should be used during pregnancy only if the potential benefit to the patient justifies the potential risk to the fetus.

Reproductive studies in rats showed that regadenoson doses 10 and 20 times the maximum recommended human dose (MRHD) based on body surface area, caused reduced fetal body weights and significant ossification delays in fore- and hind limb phalanges at midgestation; however, maternal toxicity also occurred at these doses. Skeletal variations were increased in all treated groups. In rabbits, there were no teratogenic effects in offspring at regadenoson doses 4 times the MRHD, although signs of maternal toxicity occurred at this dose. At regadenoson doses equivalent to 12 and 20 times the MRHD, maternal toxicity occurred along with increased embryo-fetal deaths and fetal malformations. It is not clear whether malformations that occurred at maternally toxic doses of regadenoson in both animal species were due to fetal drug effects or only to the maternal toxic effects.

Because animals received repeated doses of regadenoson, their exposure was significantly higher than that achieved with the standard single dose administered to humans [see Nonclinical Toxicology (13.2)].

8.3 Nursing Mothers

It is not known whether Lexiscan is excreted in human milk. Because many drugs are excreted in human milk and because of the potential for serious adverse reactions from Lexiscan in nursing infants, the decision to interrupt nursing after administration of Lexiscan or not to administer Lexiscan, should take into account the importance of the drug to the mother. Based on the pharmacokinetics of Lexiscan, it should be cleared 10 hours after administration. Therefore, nursing women may consider interrupting nursing for 10 hours after administration.

8.4 Pediatric Use

Safety and effectiveness in pediatric patients (< 18 years of age) have not been established.

8.5 Geriatric Use

Of the 1,337 patients receiving Lexiscan in Studies 1 and 2, 56% were 65 years of age and over and 24% were 75 years of age and over. Older patients (≥ 75 years of age) had a similar adverse event profile compared to younger patients (< 65 years of age), but had a higher incidence of hypotension (2% vs. ≤ 1%).

8.6 Renal Impairment

Lexiscan was assessed in a randomized, placebo-controlled trial of patients with NKF/DOQI Stage III or IV renal impairment (defined as a GFR 15-59 mL/min/1.73 m²). No serious adverse events were reported through the 24-hour follow-up period [see Adverse Reactions (6.1)].

10 OVERDOSAGE

Lexiscan overdosage may result in serious reactions [see Warnings and Precautions (5)]. In a study of healthy volunteers, symptoms of flushing, dizziness and increased heart rate were assessed as intolerable at Lexiscan doses greater than 0.02 mg/kg. Aminophylline to Reverse Effects

Methylxanthines, such as caffeine, aminophylline, and theophylline, are competitive adenosine receptor antagonists and aminophylline has been used to terminate persistent pharmacodynamic effects. Aminophylline may be administered in doses ranging from 50 mg to 250 mg by slow intravenous injection (50 mg to 100 mg over 30-60 seconds). Methylxanthine use is not recommended in patients who experience a seizure associated with Lexiscan administration.

11 DESCRIPTION

Regadenoson is an A₃ adenosine receptor agonist that is a coronary vasodilator [see Clinical Pharmacology (12.1)]. Regadenoson is chemically described as adenosine, 2-[(4-[(methylamino)carbonyl]-1H-pyrazol-1-yl]-glycine, monohydrate. Its molecular formula is C₁₅H₁₈N₈O₅ • H₂O and its molecular weight is 408.37.

Lexiscan is a sterile, nonpyrogenic solution for intravenous injection. The solution is clear and colorless. Each 1 mL in 5 mL of preservative-free saline contains 0.6 mg of regadenoson monohydrate, corresponding to 0.08 mg regadenoson on an anhydrous basis, 10.9 mg dibasic sodium phosphate dihydrate or 8.7 mg dibasic sodium phosphate anhydrous, 5.4 mg monobasic sodium phosphate monohydrate, 150 mg propylene glycol, 1 mg edetate disodium dihydrate, and Water for Injection, with pH between 6.3 and 7.7.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Regadenoson is a low affinity agonist (Kᵢ = 1.3 μM) for the A₃ adenosine receptor, with at least 10-fold lower affinity for the A1 adenosine receptor (Kᵢ > 16.5 μM), and weak, if any, affinity for the A₂₆ and A₂₇ adenosine receptors. Activation of the A₃ adenosine receptor by regadenoson produces coronary vasodilation and increases coronary blood flow (CBF).

12.2 Pharmacodynamics

Coronary Blood Flow

Lexiscan causes a rapid increase in CBF which is sustained for a short duration. In patients undergoing coronary catheterization, pulsed-wave Doppler ultrasonography was used to measure the average peak velocity (APV) of coronary blood flow before and up to 30 minutes after administration of regadenoson (0.4 mg, intravenously). Mean APV increased to greater than twice baseline by 30 seconds and decreased to less than twice the baseline level within 10 minutes [see Clinical Pharmacology (12.3)].

Myocardial uptake of the radiopharmaceutical is proportional to CBF. Because Lexiscan increases blood flow in normal coronary arteries with little or no increase in stenotic arteries, Lexiscan may be used to more reliably identify the radiopharmaceutical in vascular territories supplied by stenotic arteries. MPI intensity after Lexiscan administration is therefore greater in areas perfused by normal relative to stenosed arteries.

Effect of Aminophylline

Aminophylline (100 mg, administered by slow iv injection over 80 seconds) injected 1 minute after a 4.4 mg Lexiscan in subjects undergoing cardiac catheterization, was shown to shorten the duration of the coronary blood flow response to Lexiscan as measured by pulsed-wave Doppler ultrasonography [see Overdosage (10)].

Effect of Caffeine

Ingestion of caffeine decreases the ability to detect reversible ischemic defects. In a placebo-controlled, parallel group clinical study, patients with known or suspected myocardial ischemia received a baseline rest/stress MPI followed by a second stress MPI. Patients received caffeine or placebo 90 minutes before the second Lexiscan stress MPI. Following caffeine administration (200 or 400 mg), the mean number of reversible defects identified was reduced by approximately 60%. This decrease was statistically significant [see Drug Interactions (7.1) and Patient Counseling Information (17)].

12.3 Pharmacokinetics

In healthy volunteers, the regadenoson plasma concentration-time profile is multi-exponential in nature and best characterized by 3-compartment model. The maximal plasma concentration of regadenoson is achieved within 1 to 4 minutes after injection of Lexiscan and parallels the onset of the pharmacodynamic response. The half-life of this initial phase is approximately 2 to 4 minutes. An intermediate phase follows, with a half-life on average of 30 minutes coinciding with loss of the pharmacodynamic effect. The terminal phase consists of a decline in plasma concentration with a half-life of approximately 2 hours [see Clinical Pharmacology (12.3)]. Within the dose range of 0.3-20 μg/kg in healthy subjects, clearance, terminal half-life or volume of distribution do not appear dependent upon the dose.
A population pharmacokinetic analysis including data from subjects and patients demonstrated that regadenoson clearance decreases in parallel with a reduction in creatinine clearance and clearance increases with increased body weight. Age, gender, and race have minimal effects on the pharmacokinetics of regadenoson.

**Special Populations**

**Renally Impaired Patients:** The disposition of regadenoson was studied in 18 subjects with various degrees of renal function and in 6 healthy subjects. With increasing renal impairment, the area under the curve (AUC) at 50% of the terminal elimination half-life (t1/2) increased, and the percentage of the dose excreted unchanged in urine and the renal clearance decreased, resulting in increased elimination half-lives and AUC values compared to healthy subjects (t1/2 > 80 mL/min).

However, the maximum observed plasma concentrations as well as volumes of distribution estimates were similar across the groups. The plasma concentration-time profiles were not significantly altered in the early stages after dosing when most pharmacologic effects are observed. No dose adjustment is needed in patients with renal impairment.

**Patients with End Stage Renal Disease:** The pharmacokinetics of regadenoson in patients on dialysis has not been assessed.

**Hepatically Impaired Patients:** The influence of hepatic impairment on the pharmacokinetics of regadenoson has not been evaluated. Because greater than 55% of the dose is excreted in the urine as unchanged drug and factors that decrease clearance do not affect the plasma concentration in the early stages after dosing when clinically meaningful pharmacodynamic effects are observed, no dose adjustment is needed in patients with hepatic impairment.

**Geriatric Patients:** Based on a population pharmacokinetic analysis, age has a minor influence on the pharmacokinetics of regadenoson. No dose adjustment is needed in elderly patients.

**Metabolism**

The metabolism of regadenoson is unknown in humans. Incubation with rat, dog, and human liver microsomes as well as human hepatocytes produced no detectable metabolites of regadenoson.

**Excretion**

In healthy volunteers, 57% of the regadenoson dose is excreted unchanged in the urine (range 19–77%), with an average plasma renal clearance around 450 mL/min, i.e., in excess of the glomerular filtration rate. This indicates that renal tubular secretion plays a role in regadenoson elimination.

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### NONCLINICAL TOXICOLOGY

#### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Regadenoson was negative in the Ames test for mutagenesis, assay, chromosomal aberration assay in Chinese hamster ovary (CHO) cells, and mouse bone marrow micronucleus assay.

Long-term animal studies have not been conducted to evaluate Lexiscan’s carcinogenic potential or potential effects on fertility.

#### 13.2 Animal Toxicology and/or Pharmacology

**Reproductive Toxicology Studies**

Reproduction studies were conducted in rabbits and rats using doses of Lexiscan that were 2 to 20 times (rats) and 4 to 20 times (rabbits) the maximum recommended human dose (MRHD), based on body surface area comparison.

When administered to rabbits during organogenesis, regadenoson caused maternal toxicity including tauchyphexia, soft, liquid or scant feces, and localized alopecia in all treated groups, and caused reduction in body weight gain in females, conception, and fetal survival (12 and 20 X MRHD, respectively). At regadenoson doses equivalent to 12 and 20 times the MRHD, maternal toxicity occurred along with decreased number of live fetuses, reduced fetal body weight, and occurrence of fetal variations and malformations. At regadenoson doses equivalent to 20 times the MRHD, resorptions were increased and fetal body weights reduced. Fetal malformations included microphthalmia (1/16 at 20 X MRHD), interrelated vertebrae/rib alterations (2/145 and 2/16 each at 12 and 20 X MRHD), and misaligned caudal vertebral (3/145 at 12 X MRHD). Fetal toxicity was only rarely observed at maternal toxic doses. The no effect dose level for fetal toxicity is 0.1 mg/kg (4 X MRHD). A no effect dose level was not identified for maternal toxicity.

When regadenoson was administered to pregnant rats during the period of major organogenesis, 4/25 rats from the 1.0 mg/kg/day group (20 X MRHD) and 1/25 rats from the 0.8 mg/kg (16 X MRHD) group died immediately following the first dose of regadenoson. All dams had decreased motor activity and one was gasping post-dosing. At doses ≥ 0.5 mg/kg (10 X MRHD), maternal toxicity included decreased motor activity, increased limb extension, excess salivation, and reduction in body weight and feed consumption. At doses ≥ 0.5 mg/kg, fetal body weights were significantly reduced and significant ossification delays in carpal bones were observed in females and hind limb phalanges and metatarsals. Skeletal malformations included delayed ossification of the skull (1/167), and hemivertebrae present at a thoracic vertebra (1/167), observed at 16-20 X MRHD, and small arches of the thoracic and sacral vertebrae (1/174) observed at 2 X MRHD. The no effect dose level for maternal toxicity is 0.1 mg/kg/day (2 X MRHD).

**Cardiomyopathy**

Minimal cardiomyopathy (myocyte necrosis and inflammation) was observed in rats following single dose administration of regadenoson. Increased incidence of minimal cardiomyopathy was observed on day 2 in males at doses of 0.08, 0.2 and 0.8 mg/kg (1, 2, 4, and 8 X MRHD, respectively), as a separate study in male rats, the mean arterial pressure was decreased by 30 to 50% of baseline values for up to 90 minutes at regadenoson doses of 0.2 and 0.8 mg/kg, respectively. No cardiomyopathy was noted in rats sacrificed 15 days following single administration of regadenoson. The incidence of the cardiomyopathy induced by regadenoson was not elucidated in this study but was associated with the hypertensive effects of regadenoson. Profound hypotension induced by vasoactive drugs is known to cause cardiomyopathy in rats.

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### CLINICAL STUDIES

The efficacy and safety of Lexiscan were determined relative to Adenoscan in two randomized, double-blind studies (Studies 1 and 2) in 2,015 patients with known or suspected coronary artery disease who were indicated for pharmacologic stress MPI.

A total of 1,871 of these patients had images considered valid for the primary efficacy evaluation, including 1,294 (69%) men and 577 (31%) women with a median age of 66 years (range 25–93 years of age). Each patient received an initial stress scan using Adenoscan (6-minute infusion using a dose of 0.14 mg/kg/min, without exercise) with a radionuclide gated SPECT imaging protocol. After the initial scan, patients were randomized to either Lexiscan or Adenoscan, and received a second stress scan with the same radionuclide imaging protocol as that used for the initial scan. The median time between scans was 7 days (range of 1–104 days).

The most common cardiovascular histories included hypertension (81%), CABB, PTCa or stenting (51%), angina (63%), and history of myocardial infarction (41%) or arrhythmia (33%); other medical history included diabetes (32%) and COPD (5%). Patients with a recent history of serious uncontrolled ventricular arrhythmia, myocardial infarction, or unstable angina, a history of greater than first-degree AV block, or with symptomatic bradycardia, sick sinus syndrome, or a heart transplant were excluded. A number of patients took cardiovascular medications on the day of the scan, including β-blockers (18%), calcium channel blockers (9%), and nitrates (6%). In the pooled study population, 68% of patients had 0–1 segments showing reversible defects on the initial scan, 24% had 2–4 segments, and 9% had 5 or 6 segments.

**Imaging Agreement**

Comparison of the images obtained with Lexiscan to those obtained with Adenoscan was performed as follows. Using the 17-segment model, the number of segments showing a reversible perfusion defect was calculated for the initial Adenoscan study and for the randomized study obtained using Lexiscan or Adenoscan. The agreement rate for the image obtained with Lexiscan or Adenoscan relative to the initial Adenoscan image was calculated by determining how frequently the patients assigned to each initial Adenoscan category (0–1, 2–4, 5–17 reversible segments) were assigned to the same category with the randomized scan. The agreement rates for Lexiscan and Adenoscan were calculated as the average of the agreement rates across the three categories determined by the initial scan. Studies 1 and 2 each demonstrated that Lexiscan is similar to Adenoscan in assessing the extent of reversible perfusion abnormalities (Table 6).

### Table 5: Agreed Rates in Studies 1 and 2

<table>
<thead>
<tr>
<th></th>
<th>Study 1</th>
<th>Study 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adenoscan–Adenoscan Agreement Rate (± SE)</td>
<td>61 ± 3%</td>
<td>64 ± 4%</td>
</tr>
<tr>
<td>Adenoscan–Lexiscan Agreement Rate (± SE)</td>
<td>62 ± 2%</td>
<td>63 ± 3%</td>
</tr>
<tr>
<td>Rate Difference (Lexiscan–Adenoscan) (± SE)</td>
<td>1 ± 4%</td>
<td>-1 ± 5%</td>
</tr>
<tr>
<td>95% Confidence Interval</td>
<td>-7.5, 9.2%</td>
<td>-11.2, 8.7%</td>
</tr>
</tbody>
</table>

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### 16 HOW SUPPLIED/STORAGE AND HANDLING

Lexiscan is supplied as sterile, preservative-free solution containing 0.08 mg/mL of regadenoson in the following package:

- Single-use 5 mL pre-filled plastic Ansys R syringes with luver-lock fitting (NDC 0469-6501-89).

Store at controlled room temperature, 25°C (77°F); excursions permitted to 15° to 30°C (59°–86°F).

### 17 PATIENT COUNSELING INFORMATION

Advise patients that they may be at increased risk of fatal and nonfatal heart attacks, abnormal heart rhythms, cardiac arrest, significant increase or decrease in blood pressure, hypersensitivity reactions, seizures, bronchoconstriction, or cerebrovascular accidents (stroke) with the use of Lexiscan (see Warnings and Precautions (6.1), (6.2), (6.3), (6.4), (6.5), (6.6), (6.7) and (6.8)).

Patients should be instructed to avoid consumption of any products containing methylxanthines, including caffeinated coffee, tea or other caffeinated beverages, caffeine-containing drug products, aminophylline and theophylline for at least 12 hours before a scheduled radionuclide MPI. Question patients about a history of seizures.

Prior to Lexiscan administration, patients should be informed of the most common reactions (such as shortness of breath, headache and flushing) that have been reported in association with Lexiscan during MPI.

Patients with COPD or asthma should be informed to discuss their respiratory history and administration of pre- and post-study bronchodilator therapy with their clinician before scheduling an MPI study with Lexiscan.

**Rx Only**

**Marketed by:** Astellas Pharma US, Inc.
Northbrook, IL 60062
Syngene Manufactured by: Hospira, Inc.
Lake Forest, IL 60045 USA

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