

<p>How a Tick Can Make You Sick</p> <p>Module 4: Testing and treatment for Lyme disease</p>		

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Did you know that a single tick can make you sick and that ticks can transmit an illness called Lyme disease to you and to your pets? In this brief, online session, get ready to learn tons about ticks, the diseases that they carry, and how you can protect yourself and your pets from tick-borne illnesses. Ready? Let's go.

How a Tick Can Make You Sick | September 14, 2008 | Version 1



Let's get started!

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Pronunciations



tularemia

ehrlichiosis

spirochete

You will learn many words today that are difficult to pronounce. To help you, we have provided a PRONUNCIATION PAGE link on the Notes page of each slide.

Borrelia burgdorferi

Copy and paste the link into a browser window to open the Pronunciation Page in a new window. To return to the class, close the Pronunciation Page window.

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Today's topic



Over the next half-hour, we will review the following topic:

- Testing and treatment for Lyme disease



Other modules available in this series are:

- **Module 1: What is Lyme disease?**
- **Module 2: Tick-er Tape Parade:
What are ticks and what do they look like?**
- **Module 3: Keeping ticks at bay when you go out to play**

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html



Testing and treatment for Lyme disease

Tests for Lyme Disease



If you think that you need to be tested for Lyme disease, remember that:

- There are blood tests for Lyme disease.
- Your doctor can give you a test.
- These are not always very accurate.
- Sometimes, a test will say that you do not have Lyme disease, even though you really do have it.



Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

How does the doctor know if you have Lyme disease?



During your exam, the doctor will:

- Ask if you have been in tick-infested areas
- Ask if you remember being bitten by something
- Examine you for signs and symptoms of Lyme disease
- Order one or more tests if appropriate



Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Early signs and symptoms of Lyme disease:



Common early symptoms include:

- Headaches
- Feeling very tired
- Aches
- Fever, chills, sweating
- Rashes at bite site



Let's take a closer look at the last category: rashes at the bite site.

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Early signs and symptoms of Lyme disease:

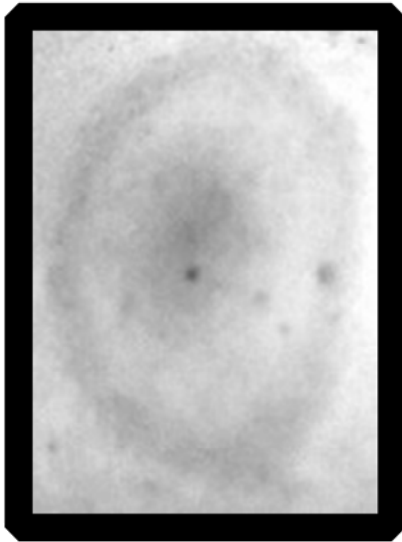


Photo courtesy of Emilia Eiras, MD

You have probably heard of the classic **BULL'S EYE RASH**, shown here, which appears on some people when they get bitten by an infected tick.

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Early signs and symptoms of Lyme disease:



Please remember:

- Not everybody gets a rash!
- Rash may not be a bull's eye shape.
- It can look different on different people (color and texture may vary).
- You may also get several bull's eye rashes on your body at the same time (not just at the bite site).
This usually means that Lyme disease has progressed to a later stage.



Take a look at the various types of rashes shown on the next few slides.

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Early signs and symptoms of Lyme disease:



Another
bull's eye rash.

Photo courtesy of Emilia Eiras, MD

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Early signs and symptoms of Lyme disease:



Rash on a child's ear, scalp and face.

Photo courtesy of Emilia Eiras, MD

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Early signs and symptoms of Lyme disease:



A rash
hidden on a
child's neck, at
the hairline.

Photo courtesy of Emilia Eiras, MD

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Other signs and symptoms to watch for:



Pain in your:

- **Joints: Knees, elbows, wrists and jaw**
- **Hands / feet: “Pins and needles” feeling**
- **Neck and back**
- **Chest**



Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Other signs and symptoms to watch for:



Problems with your:

- **Eyes:** Including infections, trouble seeing or sensitivity to light
- **Ears:** Such as pain, sensitivity to noise, hearing loss, ringing in the ears
- **Skin:** Rash at the site of the tick bite or elsewhere



Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Other signs and symptoms to watch for:



- Difficulty breathing & coughing
- Stomach problems
- Muscles twitching
- Problems talking
- Trouble sleeping
- Forgetfulness
- Seizure



Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

Medicines to treat Lyme disease



Doctors typically prescribe antibiotics for patients diagnosed with Lyme disease or one of its co-infections.

These antibiotics are:

- Usually given as a pill or liquid
- Sometimes given intravenously (IV)
- Sometimes medicine in a shot (injection)
- Sometimes given as combinations of these methods



Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html



If a tick bites you...

- **Prompt removal of the tick is most important!**
If possible, have a responsible adult remove the attached tick.
- **If you feel sick after a tick bite, tell a responsible adult immediately that you are feeling ill and need help. Do not wait!**
- **If you see a doctor after a tick bite, tell him or her about everything that you feel that you do not usually feel, for example, if you develop problems with your eyes, ears, feet, hands, skin, or if you feel any pain.**

Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

If you develop Lyme disease...



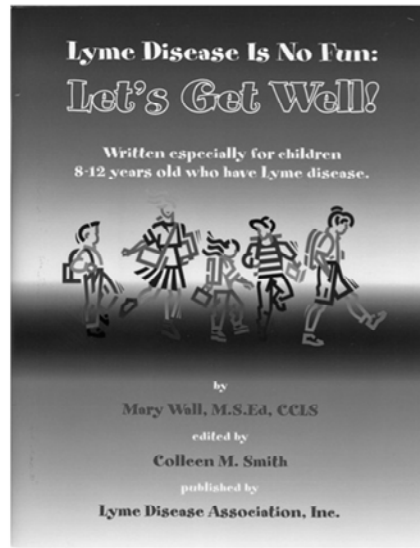
- Treatment may make you feel worse at first and better later. This is called a **JARISCH-HERXHEIMER REACTION** or **HERX** for short.
- Early treatment with the right medicine can prevent you from getting more serious symptoms.



Pronunciation Guide:

http://lymediseaseassociation.org/ledu/pron_guide.html

If you develop Lyme disease...

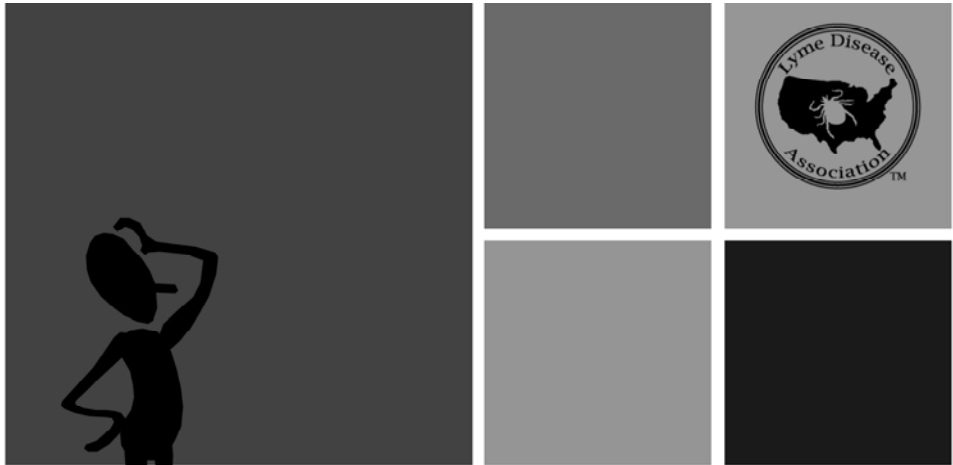


Also, if you or a friend get Lyme disease, remember that the Lyme Disease Association offers a book written especially for young people like you. Have your parent visit the LDA Website, www.LymeDiseaseAssociation.org, to check it out!

End of Module



**You have reached the end of
Module 4:
Testing and treatment
for Lyme disease**



Questions?


www.LymeDiseaseAssociation.org

If you have questions about any of the topics that we've discussed today, the LDA website,

www.LymeDiseaseAssociation.org,

offers lots of information so that you and your family can learn more!

In the meantime, be well and stay safe!

<p>THANKS!</p> <p>The Lyme Disease Association (LDA) thanks the following individuals for their help with various aspects of this project:</p>		

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