



Educational Appetizer I: Video Quizzes

Micro-Faculty Development brought to you by Elisabeth Schlegel



DONALD AND BARBARA
ZUCKER SCHOOL *of* MEDICINE
AT HOFSTRA/NORTHWELL

Collaboration

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Support

Teaching

Learning

Research



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HOFSTRA EdTech



simplysated.com

- The flipped classroom framework reverses the traditional sequence of content delivery by providing content (“prework”) to the students prior to a session and uses active pedagogy during the session.
- Prework is accessible on Blackboard
- Integrating quizzes into prework allows active engaging with the concept provided.
- Kaltura, a media tool on Blackboard, was used to create prework quizzes from an animated PPT
- The final video with quiz questions included can be accessed on Blackboard together with the remaining class content

Topic: Flipped Classroom
Engaging with Prework

Scavenger Hunt #1: Bacterial Structure

Goal: To understand the major structural components of a typical Gram-positive and Gram-negative bacterium. To understand which structures are uniquely prokaryotic and therefore good antibiotic targets.

When you have completed this assignment, you should now be able to:

- Use correct terminology to describe the shape of a bacterial cell
- Explain the unique structure and function of a spirochete
- Describe the basic structure of peptidoglycan
- Differentiate between Gram-positive and Gram-negative bacteria
- List the three parts of LPS and identify the antigenic region
- Differentiate between prokaryotic and eukaryotic ribosomes

Remember to insert your answers in the space provided so you can use this completed document as a study tool!

Start at: <https://www.quora.com/What-are-the-various-shapes-of-bacteria>

1. What is the difference between streptococci and staphylococci?
Streptococci =
Staphylococci =
2. What is the difference between coccobacillus and diplobacilli?
Coccobacillus =
Diplobacilli =
3. What is the difference between a vibrio, a spirillum, and a spirochete?
Vibrio =
Spirillum =
Spirochete =
4. Of all the micrographs of bacterial cells shown, which appear to be...

Scavenger Hunt #7: Parasitology

Goal: To understand how to classify parasites based on structure and organ system infected. To be introduced to the basic biology of protozoa and helminthes.

When you complete this assignment you should be able to:

- Organize protozoa by target host tissue
- Explain the difference between a trophozoite and a cyst terms of structure and function
- Organize helminthes into cestodes, trematodes, and nematodes
- Identify the major structural components of cestodes
- Explain how cestodes reproduce
- Discuss the principles of treatment of cestodes
- Identify the intermediate host of all trematodes
- Discuss two aspects of the schistosomes that differentiate them from other trematodes
- Differentiate between nematodes and filarial nematodes
- Navigate the CDC website that describes the biology, diagnosis and treatment of parasites

Parasites include both protozoa and helminthes. Let's start with PROTOZOA. Please go to:
<http://infectionnet.org/notes/protozoa/>

1. How are protozoa like bacteria? How are they different?
2. From a clinical (body site) perspective, how can protozoa be grouped?
3. What is the significance of discovering a nonpathogenic protozoan in a patient's stool, assuming you and the patient are in the US?
4. What intestinal protozoan pathogen also causes liver abscesses?
5. What protozoan pathogen can cause chorioretinitis long after initial infection?
6. Please click on "DPDx: Giardiasis". Examine the life cycle. What is the difference between a trophozoite and a cyst?
7. What is a fomite? (you may have to Google the definition if you don't know it. Please click on "DPDx: Giardiasis" to see the transmission of Giardia.)

Examples for Prework Quizzes:
Scavenger Hunt

1

Content PPT to
derive the quiz from

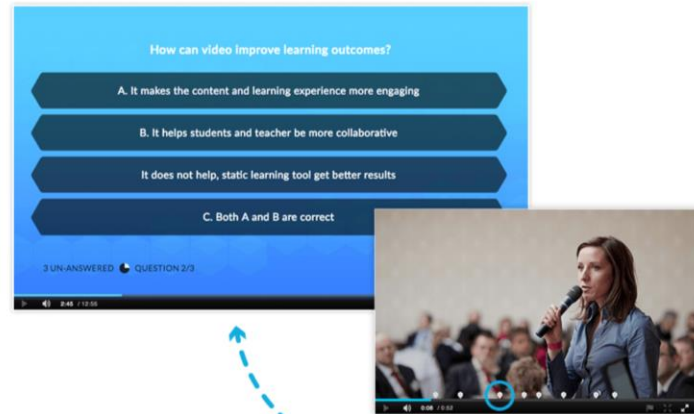
2

Access to
Blackboard with
Kaltura Technology

3

Pework questions

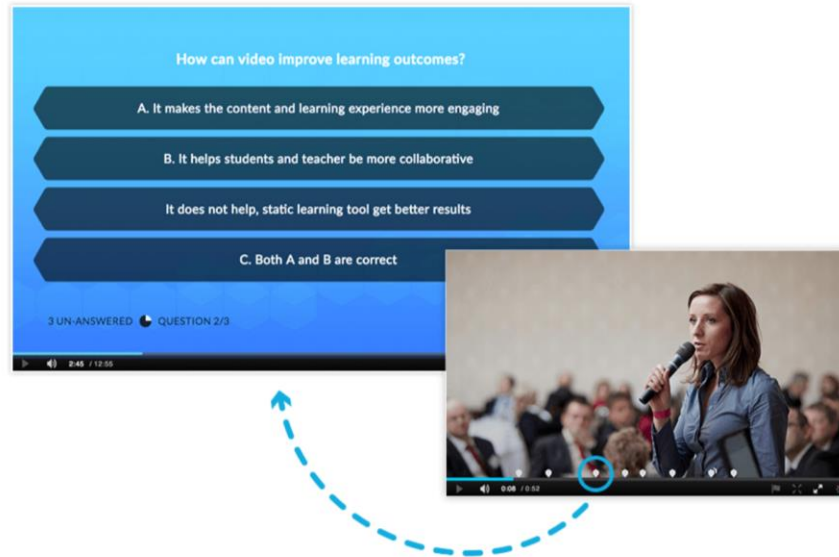
Components





How Interactive Video Quizzing Works

Interactive Video Quizzing seamlessly embeds multiple choice questions at any point in a video. Creators easily add their own questions through a user-friendly interface. These questions are attached to the video and ‘travel’ with it wherever it is embedded or presented. As viewers watch the video quiz, the questions will appear at the chosen points. The video continues after each question is answered. Flexible settings allow creators to choose whether viewers can repeat sections, skip questions, revise answers, get hints, and discover the correct answers, allowing Interactive Video Quizzing to be used to increase engagement, test knowledge and retention, gather data, and more.



<https://corp.kaltura.com/products/interactive-video-quizzes/>

Video Quizzes for Engaging Prework



Cell Biology

Time: Monday, 9/25/2017, 10:10am-11:00am

Location: SOM 201 MET

Faculty: Robert Lucito, Ph.D.



Goals:

1. Understand the major classes of cellular organelles and their principle functions.
2. Understand the principal components of the cytoskeleton.

Learning Objectives:

1. Describe the contents of the nucleus and the membranous structure that surrounds the nucleus.
2. Describe the structure and principal function of the mitochondria.
3. Describe the structure and principal function of the peroxisome and the lysosome.
4. Describe the structure and principal function of the rough and smooth endoplasmic reticulum.
5. Describe the structure and principal function of the cytoskeleton of an unspecialized and compare to a specialized cell.
6. Describe the role of the centrosome and its connection with the cytoskeleton.
7. Describe the contents of the cell membrane and its functions.

Required Pre-work:

1. Boron WF, Boulpaep EL. Medical physiology: a cellular and molecular approach [Internet]. 3rd ed. Philadelphia: Elsevier/Saunders; 2017 [cited 2017 Sept 12].

- Chapter 2 "functional organization of the cell" section titled "Cellular Organelles and the Cytoskeleton" up to but not including the section SYNTHESIS AND RECYCLING OF MEMBRANE PROTEINS.

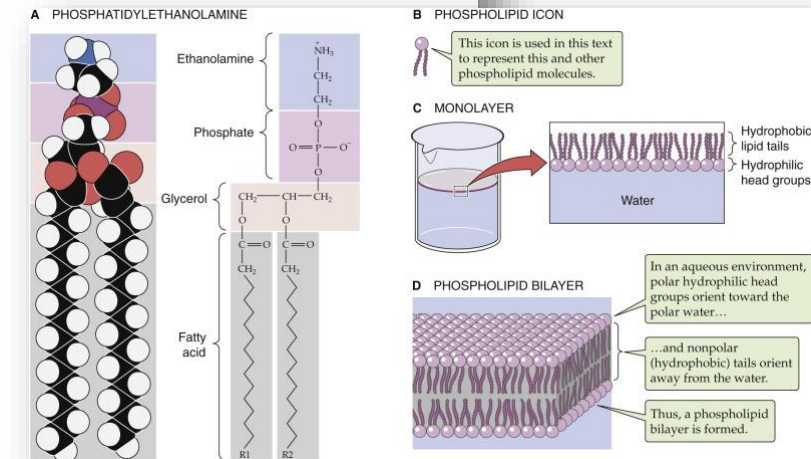
https://my.hofstra.edu/hofapps/applications/ezproxy/indexMed.jsp?db_proxy=m&&db_url=www.clinicalkey.com/playContent/3-s2.0-B9781455743773000021

Suggested Review

1. Boron WF, Boulpaep EL. Medical physiology: a cellular and molecular approach [Internet]. 3rd ed. Philadelphia: Elsevier/Saunders; 2017 [cited 2017 Sept 12].

- Chapter 2 "functional organization of the cell" section titled "STRUCTURE OF BIOLOGICAL MEMBRANES" up to and including the section "Integral membrane proteins can participate in intracellular signaling"

https://my.hofstra.edu/hofapps/applications/ezproxy/indexMed.jsp?db_proxy=m&&db_url=www.clinicalkey.com/playContent/3-s2.0-B9781455743773000021



Zucker SOM Blackboard Site: Prework

Risks Associated with Tattoos!



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Questionnaire

Here are the questions from [Prewrite 3 LOs-Lecture Tatoo Infections 14Nov2018 - Quiz]

1. LO1. Take a moment and think about why Rob experienced an adverse effect from his new tattoo. Which of the following most likely contributed to his condition?

Optional Answers:

1. Tattooing is done so rarely – the tattoo artist was out of practice.
2. The tattoo artist did not sterilize the equipment.
3. Tattooing is illegal, so the tattoo artist was unable to purchase proper equipment.
4. Rob does not bathe on a regular basis.

2. LO2. Adverse effects seen after obtaining a tattoo are usually allergic reactions to the ink.

Optional Answers:

1. false
2. true

3. LO3. Another patient meets later with you for a well-patient exam. The patients mentions he is going to celebrate his 18-year old birthday with obtaining a “real cool tiger tattoo”. How are you going to frame your conversation?

Optional Answers:

Example

Develop	Develop a source lesson ppt
Develop	Learning objectives
Develop	Questions from learning objectives

Develop Components

Example Source Lesson PPT: Prework Consolidation: Risks Associated with Tattoos!



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Learning Objectives:
After Completing the Assignment,
You should be able to:



1. Provide general information on tattoos from the readings and the patient case



2. Identifying risks and causes of risks associated with obtaining tattoos



3. Provide deliberations to patients considering a tattoo

Introduction

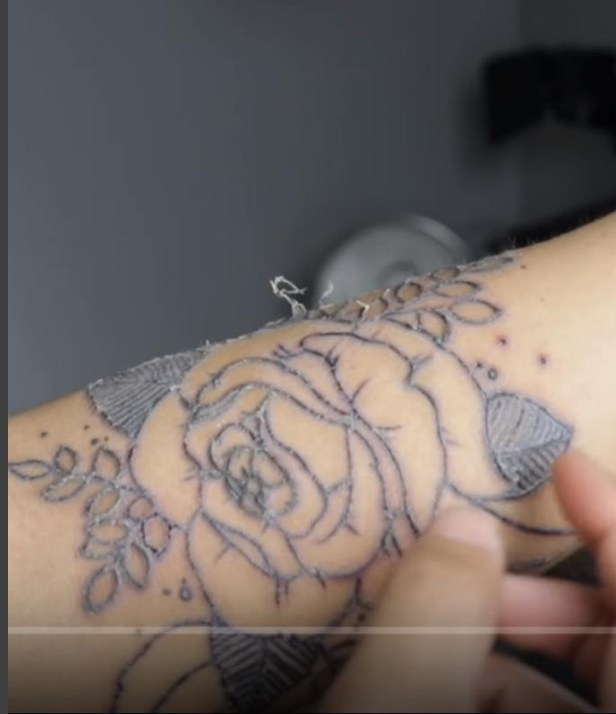
A tattoo is the result of the deposition of exogenous pigment into the skin.

Tattooing has been practiced for thousands of years.

One fifth of all Americans have at least one tattoo

- Of those 18–25, 36% have tattoos
- Of those 26–40, 40% have tattoos

Legalized in NYC in 1997



Pework Case Study

- <https://www.youtube.com/watch?v=-QiEq35WTyA>
- 0.00 – 1:30



LO 1. Provide general information on tattoos from the readings and the patient case

QLO1. Take a moment and think about why Rob experienced an adverse effect from his new tattoo. Which of the following most likely contributed to his condition?

- A. Tattooing is done so rarely – the tattoo artist was out of practice.
- B. Tattooing is illegal, so the tattoo artist was unable to purchase proper equipment.
- C. The tattoo artist did not sterilize the equipment.
- D. Rob does not bathe on a regular basis.



Risks associated with Tattoos

- Introduction foreign matter or microbes into layers of the dermis or epidermis
- Failure of artist to sterilize tools
- Failure to provide instructions for keeping a fresh tattoo clean
- Allergic reactions, infections, or other health problems

LO2. Identifying risks and causes of risks associated with obtaining tattoos

QLO2. Adverse effects seen after obtaining a tattoo are usually allergic reactions to the ink.

- A. False
- B. True



Adverse Effects, Symptoms and Management

- Transmission of infectious diseases
 - Hepatitis, papilloma virus, *molluscum contagiosum*,
- Redness, swelling, abscesses, dry scaly tattoo, fever,
- Steroids, antibiotics, possibly tattoo removal

LO3. Provide deliberations to patients considering a tattoo

QLO3. Another patient meets later with you for a well-patient exam. The patient mentions he is going to celebrate his 18-year old birthday with obtaining a “real cool tiger tattoo”. How are you going to frame your conversation? What are important points you wish to cover?



You are ready for class!

**Here are the questions from [Prewrite 3 LOs-Lecture Tatoo Infections
14Nov2018 - Quiz]**

1. LO1. Take a moment and think about why Rob experienced an adverse effect from his new tattoo. Which of the following most likely contributed to his condition?

Optional Answers:

1. Tattooing is done so rarely – the tattoo artist was out of practice.
2. The tattoo artist did not sterilize the equipment.
3. Tattooing is illegal, so the tattoo artist was unable to purchase proper equipment.
4. Rob does not bathe on a regular basis.

2. LO3. Another patient meets later with you for a well-patient exam. The patients mentions he is going to celebrate his 18-year old birthday with obtaining a “real cool tiger tattoo”. How are you going to frame your conversation?

Optional Answers:

3. LO2. Adverse effects seen after obtaining a tattoo are usually allergic reactions to the ink.

Optional Answers:

1. false
2. true

Build the Quiz in Kaltura Media in Blackboard

The screenshot shows the Blackboard web interface for a course titled "Elisabeth Schlegel - Practice Course". The user is logged in as Elisabeth Schlegel. The main navigation menu on the left includes options like Announcements, Syllabus, Faculty Information, Course Documents, Assignments, Groups, Email, Help, Discussion Board, My Grades, Course Library Resources, Course Reserves, Collaborate, and Writing Center. The "Course Documents" section is currently active, and the "Build Content" menu is open, displaying various content creation options. The "Kaltura Media" option is highlighted under the "Mashups" section. The main content area shows a preview of a video titled "Nov2018 - Quiz (00:50)" with a thumbnail image of a person with tattoos. The video is from the Donald and Barbara Zucker School of Medicine at Hofstra/Northwell. The interface also shows a "Course Documents" tab and a "Build Content" dropdown menu with options like "Item or File", "Audio", "Image", "Video", "Web Link", "Learning Module", "Lesson Plan", "Course Link", "My Business Course", "Ares Course Reserve", "Hofstra Voicethread", "Content Package (SCORM)", "New Page", "Content Folder", "Module Page", "Blank Page", "Flickr Photo", "SlideShare Presentation", "YouTube Video", and "Blackboard Open Content".

hofstra.blackboard.com/webapps/blackboard/content/listContentEditable.jsp?content_id=_749986_1&course_id=_37386_1&mode=reset

Apps An International As... www.engii.org/conf... Vitae | The Only On... HigherEdJobs - Job... Juno - MyJuno Pers... Sign in - Google Ac... Academic360.com... Executive Search Fir... Welcome to DeVry...

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Elisabeth Schlegel 94

Hofstra Faculty Courses Community

Elisabeth Schlegel - Practice Course Course Documents Edit Mode is: ON

Course Documents

Build Content Assessments Tools Partner Content

Create New Page

Item or File Content Folder

Audio Module Page

Image Blank Page

Video Mashups

Web Link Flickr Photo

Learning Module SlideShare Presentation

Lesson Plan YouTube Video

Course Link Kaltura Media

My Business Course Blackboard Open Content

Ares Course Reserve

Hofstra Voicethread

Content Package (SCORM)

Nov2018 - Quiz (00:50)

with tattoos!

DONALD AND BARBARA ZUCKER SCHOOL of MEDICINE AT HOFSTRA/NORTHWELL

ENJOY

Build the Quiz in Kaltura Media in Blackboard

The screenshot shows the Blackboard interface for a course titled "Elisabeth Schlegel - Practice Course". The user is logged in as Elisabeth Schlegel. The interface includes a top navigation bar with links to "Hofstra Faculty", "Courses", and "Community". Below this, there's a course navigation bar with "Course Documents" and "Mashup Gallery". The main content area is titled "My Media" and includes a search bar and filters. A list of media items is displayed, including "Prewrite Consolidation: Risks Associated with Tattoos!" and "Prewrite 3 LOs-Lecture Tatoo Infections 14Nov2018 - Quiz". A red box highlights the "Add New" button and the "Video Quiz" option in the dropdown menu.

hofstra.blackboard.com/webapps/osv-kaltura-BB5bd85a749196f/jsp/saMashupWrapper.jsp?course_id=_37386_1&content_id=_749986_1

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HOFSTRA BLACKBOARD FALL 2019

Elisabeth Schlegel 94

Hofstra Faculty Courses Community

Elisabeth Schlegel - Practice Course Course Documents Mashup Gallery Edit Mode is: ON

My Media Media Galleries Shared Repository

Search My Media

Filters Search In: All Fields Sort By: Creation Date - Descending

Prewrite Consolidation: Risks Associated with Tattoos!

Prewrite 3 LOs-Lecture Tatoo Infections 14Nov2018 - Quiz

From Elisabeth Schlegel 10 Months ago

Prewrite Consolidation: Risks Associated with Tattoos!

Prewrite 3 LOs-Lecture Tatoo Infections 14Nov2018 - Quiz

Elisabeth Schlegel - Practice Course

Announcements

Syllabus

Faculty Information

Course Documents

Assignments

Groups

Email

Help

Discussion Board

My Grades

Course Library Resources

Course Reserves

Collaborate

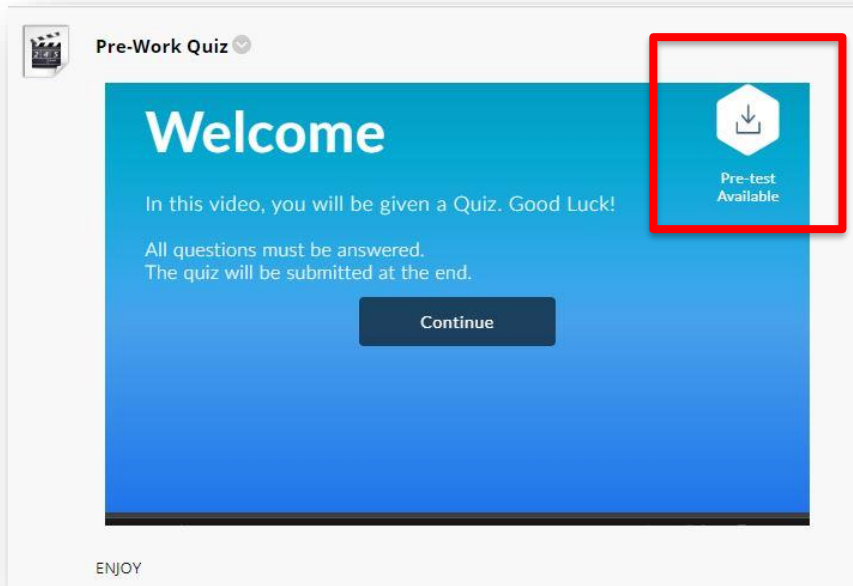
Writing Center

Course Management

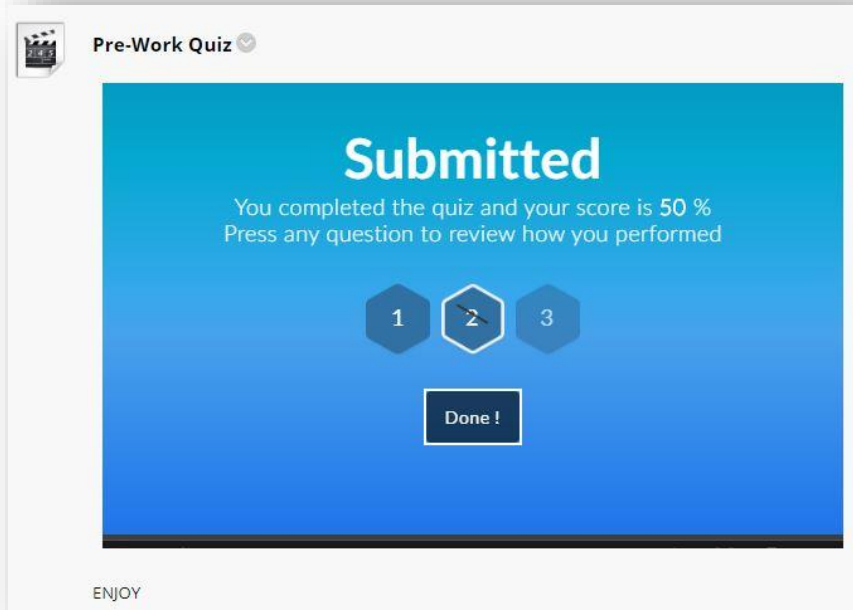
https://1082912.kaf.kaltura.com/quiz/entry/add-quiz/context/BAE/bsecategory/104157131

Build the Quiz in Kaltura Media in Blackboard

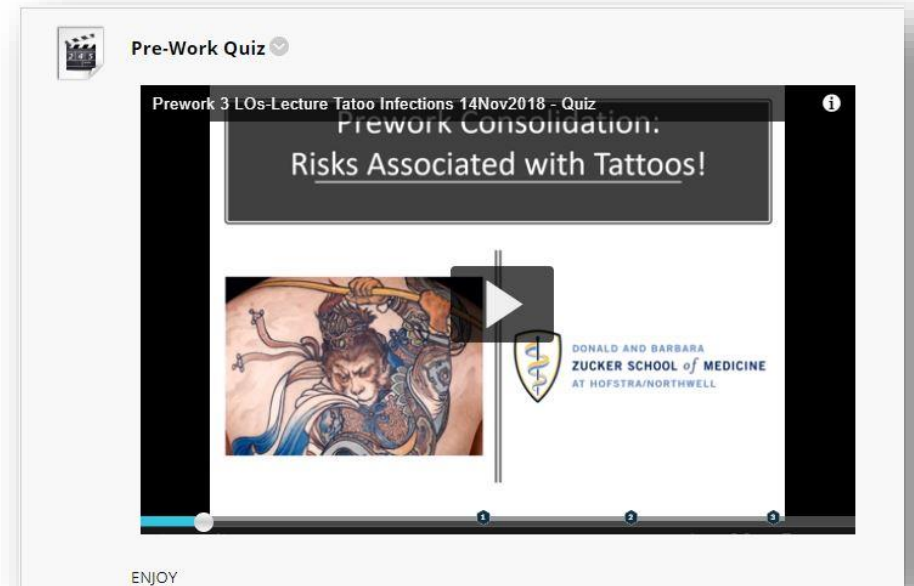
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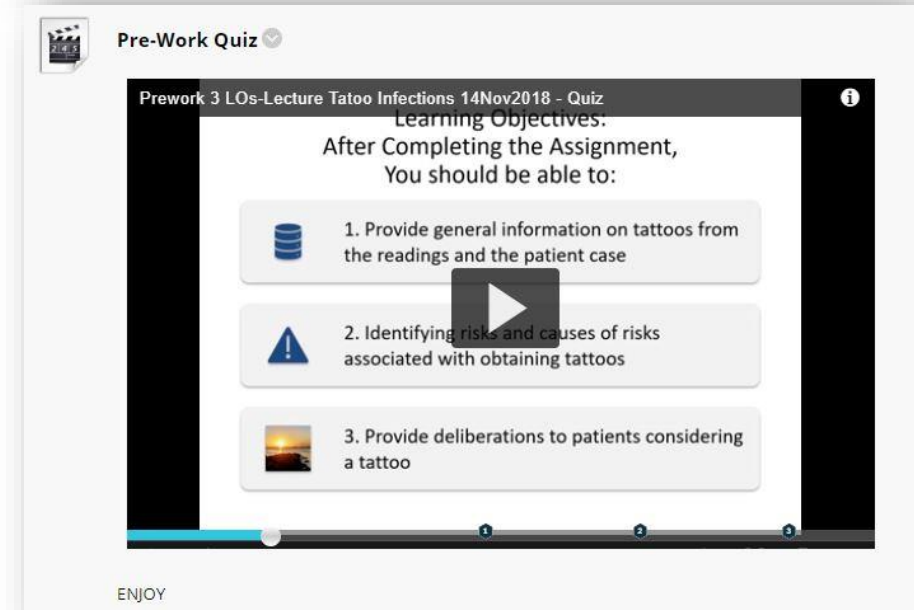
2



3



4



Insert a Question when Prompted


1

Pre-Work Quiz

Prework 3 LOs-Lecture Tatoo Infections 14Nov2018 - Quiz

Prework Case Study

- <https://www.youtube.com/watch?v=-QiEq35WTyA>
- 0.00 – 1:30



ENJOY

2

Pre-Work Quiz

LO1. Take a moment and think about why Rob experienced an adverse effect from his new tattoo. Which of the following most likely contributed to his condition?

Tattooing is done so rarely - the tattoo artist was out of practice.

The tattoo artist did not sterilize the equipment. **Selected**

Tattooing is illegal, so the tattoo artist was unable to purchase proper equipment.

Rob does not bathe on a regular basis.

CONTINUE

ENJOY

3

Pre-Work Quiz

LO3. Another patient meets later with you for a well-patient exam. The patients mentions he is going to celebrate his 18-year old birthday with obtaining a "real cool tiger tattoo". How are you going to frame your conversation?

CONTINUE

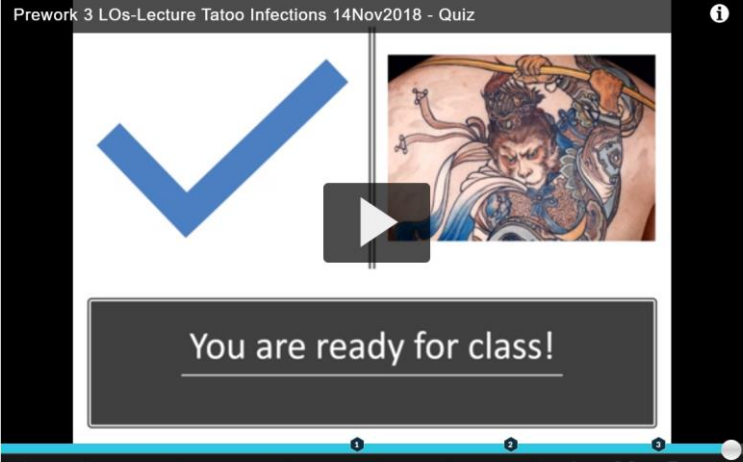
ENJOY

4

Pre-Work Quiz

Prework 3 LOs-Lecture Tatoo Infections 14Nov2018 - Quiz

You are ready for class!



ENJOY

Elisabeth Schlegel

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Keri Crocco

Keri.Plassmann-Crocco@Hofstra.edu

Ready? For Help, Contact: