Educational Appetizer I: Video Quizzes

Micro-Faculty Development brought to you by Elisabeth Schlegel
Collaboration

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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
Examples for Prework Quizzes: Scavenger Hunt

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 associated with antibiotic resistance.

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

- Identify the Gram-positive and Gram-negative structure of bacteria
- Describe the structure and function of these bacteria
- Explain the role of various components in bacterial function
- Identify the major structural components of bacteria
- Compare and contrast the properties of Gram-positive and Gram-negative bacteria

Remember to insert your answers in the space provided on the worksheet.

http://www.quark.com/ Veterinarians, Animals, and Veterinary Medicine

1. What is the difference between streptococci and staphylococci?

2. What is the difference between Staphylococcus and Streptococcus?

3. What is the difference between cocci and bacilli?

4. What is the difference between a staphylococci and a streptococci?

5. What is the difference between a streptococci and a staphylococci?

6. What is the difference between a staphylococci and a streptococci?

7. What is the difference between a staphylococci and a streptococci?
Components

1. Content PPT to derive the quiz from
2. Access to Blackboard with Kaltura Technology
3. Prework questions
Video Quizzes for Engaging Prework

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.

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 un-specialized 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:
   - 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.
   - [Link](https://my.hofstra.edu/hofapp/apps/applications/ezproxy/indexMed.jsp?db_proxy=m&db_url=www.clinicalkey.com/playContent/3-s2.0-09781455743773000021)

Suggested Review
   - 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.”
   - [Link](https://my.hofstra.edu/hofapp/apps/applications/ezproxy/indexMed.jsp?db_proxy=m&db_url=www.clinicalkey.com/playContent/3-s2.0-09781455743773000021)
Risks Associated with Tattoos!

Risks Associated with Tattoos!

DONALD AND BARBARA
ZUCKER SCHOOL of MEDICINE
AT HOFSTRA/NORTHWELL

Here are the questions from [Prework 3 LOs-Lecture Tattoo 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 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?
   Optional Answers:
<table>
<thead>
<tr>
<th>Develop</th>
<th>Develop a source lesson ppt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop</td>
<td>Learning objectives</td>
</tr>
<tr>
<td>Develop</td>
<td>Questions from learning objectives</td>
</tr>
</tbody>
</table>
Example Source Lesson PPT: Prework Consolidation: Risks Associated with Tattoos!
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
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
Prework Case Study

- [https://www.youtube.com/watch?v=-QiEq35WTyA](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 [Prework 3 L0s-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
Build the Quiz in Kaltura Media in Blackboard
Build the Quiz in Kaltura Media in Blackboard

1. Welcome
   In this video, you will be given a Quiz. Good Luck!
   All questions must be answered.
   The quiz will be submitted at the end.
   
2. Submitted
   You completed the quiz and your score is 50%.
   Press any question to review how you performed.

3. Pre-Work Quiz
   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 sources and causes of risks
      associated with obtaining tattoos
   3. Provide deliberations to patients considering
      a tattoo

4. Pre-Work Quiz
   Risks Associated with Tattoos!
Insert a Question when Prompted

1. Pre-Work Quiz
   Prework Case Study
   - https://www.youtube.com/watch?v=QIEq3WtyA
   - 0.00 – 1:30

2. Pre-Work Quiz
   LOQ: Take a moment and think about why Rob experienced an adverse effect from his new tattoo. Which of the following was most likely contributory to his condition?
   - Tattooing is done so rarely - the tattoo artist was out of practice.
   - The tattoo artist did not sterilize the equipment.
   - Tattooing is illegal, so the tattoo artist was unable to purchase proper equipment.
   - Rob does not bathe on a regular basis.

3. Pre-Work Quiz
   LOQ: 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?

4. Pre-Work Quiz
   You are ready for class!
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Ready? For Help, Contact: