A Video of the PACSim accompanies these instructions which you may refer to for further understanding. Click here to open the video link.

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Introduction

The Picture Archive and Communication Simulation (PACSim) items are designed to simulate a workstation experience, a picture archive and communications system (PACS).

Each item presents a brief case description or clinical history. Candidates are required to read the case/clinical history of the patient, evaluate the existing image(s) and answer the statement by selecting options from the drop down menu.

Exam Controls – This area contains the standard Pearson VUE examination controls “Next” and “Previous” (Figure 1)

Figure 1

PACSim Item Overview
The PACSim question provides test takers with the capability to view a collection of images and/or videos. The test taker then responds to a series of stem prompts referencing the media and selecting a response from the dropdown list control associated with each stem prompt.
Delivery Mode Interaction
Interaction with the PACSim item in delivery mode can best be described by dividing the user interface into five main areas.

The Layout

The simulator is arranged into the following areas: (Figure 2)

Area 1 – Exhibit collection

Area 2 – Exhibit display

Area 3 – Case summary

Area 4 – Stem

Area 5 – Response options

Figure 2

1. The Exhibit Collection
This scrollable list of images contains a still thumbnail image for each piece of media in the collection for the current item. Videos are denoted with a "play" icon that appears in the center of the image. Each image can be clicked on to view the full-size version in the Exhibit Display.
area of the screen. The currently selected media is indicated by a yellow border around the thumbnail image. Approximately five items will be visible before having to scroll.

2. The Exhibit Display
This area is used to display the full-size version of the exhibit. Both images and videos are displayed. A zoom feature can be applied to enlarge the selected image at a width/height that does not exceed the Exhibit Display viewable area.

a) Video Exhibits
Videos are displayed with controls at the bottom to allow pause and play (Figure 3).

\[\text{Figure 3}\]

a) Image Exhibits
Images can be clicked on to view a zoomed-in version. Once zoomed-in, the image can be panned by moving the mouse in the desired direction across the image. Subsequent mouse clicks* will trigger the image to revert to its original size.

*Alternatively, a subsequent mouse click can trigger an increase level of 2x zoom that will fill the entire display area before reverting back to the original size. (Figure 4)
3. **The Case**
   The case statement details the patient history, symptoms and prior studies – it is scrollable.

4. **The Stem**
   Each response consists of a read-only single-line textbox which contains the Stem Prompt and a corresponding selectable dropdown list of Response options which the test-take can interact with to select the best response for each response Prompt. Up to four Responses can be displayed before scrolling. (Figure 4)

5. **The Responses**
   Clicking on the control opens the Response Selection Dialog which displays the full length text for each response and allows selection by clicking on a corresponding radio button or anywhere within the text bounding region. (Figure 5)
Figure 5

- After a selection is made, the Response Selection Dialog closes. The dropdown control will only display the first (approximately) 50 characters of the selected response; however, the test taker can see the full length text of their selection by viewing a tooltip that appears when the mouse is placed over the dropdown control. (Figure 5)
6. Sample of the Entire Interface
The image below shows all of the parts of the interface. (Figure 6)

![Image of the Entire Interface](image_url)

*Figure 6*