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Each quiz is 12 questions in multiple-choice or true-false format. You must answer nine questions correctly (75%) to earn the .2 CEU credit. Results of the quiz will be emailed (or mailed by request) upon completion.

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### QUIZ 26.3c PAYMENT INFO:

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*Other quizzes from Assistive Technology Journal articles may be found on the RESNA website ([www.RESNA.org](http://www.RESNA.org)). The primary program learning objective is to keep abreast of current findings and practices in assistive technology, research and rehabilitation engineering.*

Was the content of the article relevant to current AT practice?  Yes    No

Was reading the article and completing the quiz a good way for you to learn?  Yes    No

## 26.3c Quiz – Acceptance and Attitudes Towards a Human-Like Socially Assistive Robot By Older Adults

1. In order for robots to be effective assistive technology tools for the elderly, they must be \_\_\_\_\_ by (with) the intended user population. (Pick two)
  - A. accepted
  - B. understood
  - C. interactive
  - D. adopted
2. What portion of all assistive technologies is abandoned within one year of use?
  - A.  $\frac{1}{4}$
  - B.  $\frac{1}{3}$
  - C.  $\frac{1}{2}$
  - D.  $\frac{2}{3}$
3. What is the name of a popular questionnaire for measuring target user perceptions of technological systems, with the goal of predicting actual system use?
  - A. Technology Adoption Method (TAM)
  - B. Technological Usage Method (TUM)
  - C. Technology Acceptance Model (TAM)
  - D. Technological Acceleration Model (TAM)
4. Using both questionnaires only predicts how much of a system's actual use?
  - A. 25%
  - B. 30%
  - C. 40%
  - D. 45%
5. Which of the following were robot behavior characteristics? (Select any or all that apply.)
  - A. the robot's life-like appearance and demeanor
  - B. the companionship provided by the mere presence of the robot
  - C. the robot's human-like voice
  - D. the robot expressing different emotions through tone of voice and facial expressions
6. In general, how was the attitude towards using the robot, Brian 2.1?
  - A. negative
  - B. lukewarm
  - C. positive
  - D. indifferent

7. Which hypothesis was able to be tested using which testing method?
- A. hypothesis 1 using progression analysis
  - B. hypothesis 2 using regression analysis
  - C. hypothesis 3 using chi-squared analysis
  - D. hypothesis 4 using Freudian analysis
8. According to the article, which statement is correct regarding characteristics of the robot?
- A. elderly participants preferred human-like appearance over human-like communication
  - B. Brian 2.1's voice was fairly clear and his intonation was quite appropriate
  - C. the robot's facial expressions were positive but not particularly believable
  - D. preference toward characteristics such as human-like communication over human-like appearance, clear voice, and excellent intonation may not be age-related
9. How many individuals attended a single live robot demonstration session to learn about the features of the robot?
- A. 54
  - B. 36
  - C. 47
  - D. 62
10. What was the goal of the authors' research?
- A. to develop an effective robot able to interact with people of all ages
  - B. to develop a device specifically designed to reverse the effects of dementia in older adults
  - C. to develop a robot and robotic aids as effective tools for cognitive and social interventions of the elderly
  - D. to develop a robot and robotic aids to largely handle the personal self-care needs of the elderly population
11. What is the name of the scale developed to measure a person's general attitudes towards robots?
- A. Negative Attitudes Towards Robots Scale (NARS)
  - B. Negative Influence of Robots Scale (NIRS)
  - C. How Do You Feel About Robots Scale (HDFARS)
  - D. How Can Robots Help Me Scale (HCRHMS)
12. Which statement best describes the previous robotic experience of the participants at the robot demonstration session?
- A. most individuals had some type of previous direct or personal experience with robots
  - B. a majority of individuals did not have any prior experience with robots at all
  - C. many of the individuals had seen robots on television or in school
  - D. a majority of the individuals had seen robots in local department stores demonstrating various activities