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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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Other quizzes from Assistive Technology Journal articles may be found on the RESNA website (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

Name: _____ Email: _____

28.2a Quiz Eye Gaze Performance for Children with Severe Physical Impairments using Gaze-based Assistive Technology – A Longitudinal Study

1. According to the article, how can the task of learning to use the eyes to control objects on a computer screen be described?
 - a. simple
 - b. arduous
 - c. superfluous
 - d. challenging
 - e. fairly straightforward

ANSWER: _____

2. What is the natural way of using eye gaze?
 - a. For perception
 - b. For distillation
 - c. For exploration
 - d. For acuity
 - e. For visualization

ANSWER: _____

3. At least how long must performance be measured to capture improvements in performance?
 - a. One week
 - b. One month
 - c. Six months
 - d. One year
 - e. Two years

ANSWER: _____

4. What in particular depends on physical and mental components and subjective experience of the doing?
 - a. Tenacity
 - b. Performance capacity
 - c. Technical fortitude
 - d. Adaptive fluency

ANSWER: _____

5. The children between the ages of one and fifteen years of age were diagnosed principally with what?
 - a. multiple sclerosis and spina bifida
 - b. traumatic brain injury (TBI) and cerebral palsy
 - c. cervical spinal cord injury or cerebral palsy
 - d. spina bifida or thoracic spinal cord injury

ANSWER: _____

6. What happens to the system's function to accurately detect and track eye movements in cases of strabismus?
 - a. It gets enhanced
 - b. It stays the same
 - c. It shuts down
 - d. It becomes compromised

ANSWER: _____

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7. How long was the blank period after target selection before the next target was selected?

- a. One second
- b. Ten seconds
- c. Two seconds
- d. Three seconds
- e. Five seconds

ANSWER: _____

8. Approximately what percentage of targets were correctly selected?

- a. 50%
- b. 60%
- c. 70%
- d. 80%

ANSWER: _____

9. To what extent did problems with gaze calibration cause missing data?

- a. Severely
- b. Only slightly
- c. Moderately
- d. Not a problem at all

ANSWER: _____

10. What happened with the children as the target number increased?

- a. They became less accurate
- b. They became more accurate
- c. Their accuracy remained about the same
- d. Their accuracy increased significantly
- e. Their accuracy decreased significantly

ANSWER: _____

11. Did the maximum and minimum values of time on task vary much over the course of the time points?

- a. Yes, both varied
- b. The minimum values of time varied but the maximum values didn't
- c. No, neither varied
- d. The maximum values of time varied but the minimum values didn't

ANSWER: _____

12. How should the statistical analyses that accounted for the variation in the number of tests and time points between children be viewed?

- a. As an impediment
- b. As a factor to consider
- c. As a weakness
- d. As a strength

ANSWER: _____