POINT-OF-CARE GLUCOSE TESTING SYSTEM

FSPP GLUCOSE METER WRITTEN TEST FOR CERTIFICATION

NAME: ________________ EMPLOYEE #: __________ NURSING UNIT: _________

Please circle the most appropriate answer.

PART A - Multiple Choice Questions (10 questions)

1. The preferred site for obtaining a capillary blood sample on the adult is:
   A) the heel
   B) the fleshy pad of the finger
   C) the side of the finger, halfway between the nail and the pad of the finger
   D) the toes

   answer: a) A and B  
            b) C
            c) A and D

2. The blood glucose value displayed on the FreeStyle Precision Pro (FSPP) meter is 2.1 mmol/L. Appropriate actions include:
   A) Repeat the test without performing Low & High quality controls
   B) regardless, send a stat venous blood sample to the Lab
   C) assess the patient for signs and symptoms of hypoglycemia
   D) no actions required

   answer: a) A and B  
            b) D
            c) C

3. Inaccurate test results may occur in the following conditions:
   A) obtaining the blood sample before the alcohol has dried on the finger
   B) poor blood circulation at the puncture site
   C) excessive squeezing of the puncture site

   answer: a) A and C  
            b) B and C
            c) all of the above
4. Quality Control Testing

A) monitors test strip, equipment and technical (operator) performance
B) helps to ensure patient treatment is based on valid test results
C) is a mandatory requirement of the Quality Assurance Program
D) provides no benefit to the patient test results

answer: a) A, B and C
       b) A and B
       c) B and C
       d) D

5. What materials are needed to perform a blood glucose test using the FSPP System?

A) FSPP glucose meters
B) test strips
C) lancing device
D) lancets
E) alcohol swabs or soap and water

answer: a) A and C
       b) all of the above
       c) A, B, C and D
       d) A, C, D and E

6. Which factors may yield falsely low blood glucose result?

A) water or alcohol remained on the skin at the puncture site
B) hematocrit is greater than 0.65
C) severe dehydration

answer: a) A and B
       b) A and C
       c) B and C
       d) all of the above

7. The Abbott FSPP glucose meter:

A) measures the patient’s whole blood glucose level
B) provides glucose results that are less accurate than laboratory results
C) requires quality controls to be performed daily
D) runs on two AA alkaline/lithium/NiCad batteries

answer: a) A and B
       b) A and C
8. Out of range control results may be due to:
   A) deteriorated test strips
   B) meter malfunction
   C) expired control solutions
   D) improper technique

   *answer:*  
   a) A and B  
   b) A and C  
   c) C and D  
   d) all of the above

9. Signs and symptoms of hypoglycemia include:
   A) pale  
   B) headache  
   C) dizziness  
   D) diaphoretic  
   E) fatigue  
   F) trembling, shaky

   *answer:*  
   a) all of the above  
   b) A, B, C, D  
   c) A, B, D, E, F  
   d) C, D, E, F

10. Patient test result history can be recalled through the following screen(s):
   A) Patient Test (upon completion of a patient test)  
   B) Control Test (upon completion of a control test)  
   C) Data Review  
   D) Review Setup

   *answer:*  
   a) all of the above  
   b) A, B, C, D  
   c) A and C  
   d) A, C, D
PART B - True or False (10 questions)

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<tr>
<td>True</td>
<td>False</td>
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<td>11.</td>
<td>When attempting to scan, the green beam shuts off after 3 seconds. If no information is detected by the meter; scanner needs to be repositioned and tried again.</td>
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<td>12.</td>
<td>The first drop of blood obtained for a capillary blood sample should be wiped off and the second drop used for the test.</td>
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<td>13.</td>
<td>It is acceptable to touch the test strip target area with fingers as long as they are dry and clean.</td>
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<td>14.</td>
<td>The normal glucose values for a non-diabetic adult are 3.8-7.8 mmol/L.</td>
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<td>15.</td>
<td>In preparation for the finger prick, the patient’s hands may be washed with soap and water or the area swabbed with an alcohol wipe.</td>
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<td>16.</td>
<td>Dispose of used lancets in an approved sharps container.</td>
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<td>17.</td>
<td>If glucose results are unexpected, repeat testing with a new test strip and another finger prick.</td>
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<td>18.</td>
<td>Hematocrit lower than 15% may cause higher than expected glucose reading.</td>
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<td>19.</td>
<td>Clorox and Virox Wipes are the only two cleaning/disinfecting products that should be used at NYGH to clean/disinfect the glucose meter.</td>
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<td>20.</td>
<td>Control solutions are stored at room temperature and good for 90 days once vials are opened.</td>
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END OF WRITTEN TEST

(A minimum score of 80% is required to pass the written test.)

INSTRUCTIONS TO TRAINERS:
Keep this completed Written Test together with the Orientation Checklist in the employee file for records.