Intravenous fluids
TEST YOUR KNOWLEDGE BY COMPLETING THIS MULTIPLE-CHOICE QUIZ

1. Healthcare-associated bloodstream infections are associated with which type of equipment?
   a) Sphygmomanometers
   b) Vascular access devices
   c) Magnetic resonant imaging scanners
   d) Stethoscopes

2. Which of the following venous access devices is most commonly used in children and young people’s hospital care?
   a) Peripherally inserted central catheter
   b) Central venous catheter
   c) Peripheral cannula
   d) Central venous ports

3. The term ‘extravasation’ is defined as:
   a) Where fluids which will cause inflammation or damage are inserted outside the vein and into the body’s tissues
   b) Where fluids which will cause inflammation or damage are inserted directly into a vein
   c) Where fluids which will cause inflammation or damage are inserted into an artery
   d) Where the venous access device becomes separated from the patient’s vein

4. What steps should the nurse take when they cannot confirm the patency of a peripheral cannula?
   a) Administer the drug anyway
   b) Administer 250mL of sodium chloride
   c) Remove the cannula and insert a new device
   d) Continue to use the cannula until they see signs of swelling or inflammation

5. Infusion phlebitis occurs when:
   a) The infusion is too frequent
   b) Excessive bleeding is seen at a venous access site
   c) The patient forcibly removes a venous access device
   d) Inflammation of the vein develops at the site of venous access

6. The role of replacement fluids is to:
   a) Replace fluids excreted from the body
   b) Replace fluids that the patient has refused to drink
   c) Thin the blood
   d) Promote regular urination

7. Which of the following is a benefit of IV administration of medicines?
   a) Bypasses the need for absorption of medicines by the gastric tract
   b) Has a fast onset of action
   c) Enables 100% of the medicine administered to reach the systemic circulation
   d) All of the above

8. The ‘displacement value’ is described as:
   a) The difference between two brands of the same medicine
   b) The difference between the volume of fluid added to a powder medicine and the final volume
   c) The amount of fluid needed to reconstitute a medicine
   d) The cost of the medicine per dose to the NHS

9. Which of the following is not one of the 5 ‘R’s of medicine management?
   a) The right dose
   b) The right time
   c) The right brand
   d) The right route

10. What action should a nurse take on noticing discoloration in an infusion line?
    a) Change the line immediately
    b) Leave the line in place and record it in the patient’s notes
    c) Call for medical assistance
    d) Flush the line with sodium chloride

How to complete this assessment
This multiple-choice quiz will help you test your knowledge. It comprises ten multiple choice questions broadly linked to the previous article. There is one correct answer to each question. You can read the article before answering the questions or attempt the questions first, then read the article and see if you would answer them differently. You may want to write a reflective account. Visit rcni.com/reflective-account

Go online to complete this multiple-choice quiz and you can save it to your RCNi portfolio to help meet your revalidation requirements. Go to rcni.com/cpd/test-your-knowledge

The answers to this quiz are: 1. b 2. c 3. a 4. c 5. d 6. a 7. d 8. b 9. c 10. a

This activity has taken me ____ minutes/hours to complete. Now that I have read this article and completed this assessment, I think my knowledge is:

Excellent  □  Good  □  Satisfactory  □  Unsatisfactory  □  Poor  □

As a result of this I intend to: ____________________________
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