

# Abemaciclib for metastatic breast cancer

TEST YOUR KNOWLEDGE BY COMPLETING THIS MULTIPLE-CHOICE QUIZ

**1. Which statement is true?**

- a) Cyclin-dependent kinase 4 and 6 (CDK4 and CDK6) inhibitors cannot be combined with endocrine therapies
- b) Over time, patients can become resistant to endocrine therapies
- c) Cyclin D is targeted by CDK4 and CDK6 inhibitors, but not endocrine therapies
- d) CDK4 and CDK6 are protein kinases that halt the progress of the cell cycle

**2. Which of these is a CDK4 and CDK6 inhibitor that should be given on a continuous dosing schedule?**

- a) Abemaciclib
- b) Ribociclib
- c) Palbociclib
- d) Aspirin

**3. One of the most common side effects experienced by patients taking abemaciclib is:**

- a) Increased energy
- b) Constipation
- c) Increased appetite
- d) Diarrhoea

**4. How are CDK4 and CDK6 inhibitors administered?**

- a) Intravenously
- b) Orally
- c) Topically
- d) Rectally

**5. Which of the following could be implemented as part of standard procedures to improve patient adherence?**

- a) Providing counselling about the risks, benefits and safe administration of their treatment
- b) Using medication adherence aids such as calendars and pillboxes
- c) Undertaking adherence assessments at follow-up appointments
- d) All of the above

**6. To determine the appropriate dose of abemaciclib before and during treatment, patients should have:**

- a) A full blood count and liver function tests
- b) A gait analysis
- c) A lumbar puncture
- d) An eye test

**7. In the Common Terminology Criteria for Adverse Events grading of diarrhoea, Grade 3 diarrhoea is described as:**

- a) No increase in the number of stools
- b) Increase of <4 stools per day over baseline
- c) Increase of 4-6 stools per day over baseline
- d) Increase of ≥7 stools per day over baseline

**8. Abemaciclib should not be taken with:**

- a) Water
- b) Milk
- c) Grapefruit juice
- d) Orange juice

**9. To identify potential haematological side effects of abemaciclib, nurses should advise patients to look for:**

- a) Chills and shivering
- b) Sore throat
- c) Toothache
- d) All of the above

**10. Which statement is false?**

- a) Abemaciclib is primarily metabolised by the enzyme CYP3A4
- b) Co-administration of abemaciclib with CYP3A4 inducers should be avoided
- c) Abemaciclib should be co-administered with strong CYP3A4 inhibitors
- d) If the use of strong CYP3A4 inhibitors cannot be avoided, the abemaciclib dose should be reduced

**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.

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This multiple-choice quiz was compiled by **David Swan**

*The answers to this multi-choice quiz are:*

1. b 2. a 3. d 4. b 5. d 6. 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: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_