

Question 1: Please refer to the underlined (Q1) in the text. Please describe the problem by the increase in cancer survivors from onco-cardiology perspective.

Answer: Either is correct

- Complication of cardiovascular disease in the long-term cancer survivors has become a problem.
- The problem is complication of cardiovascular disease in the long-term cancer survivors.

Question 2: Please refer to the underlined (Q2) in the text. Please answer when and where was the world's first onco-cardiology unit established.

Answer: Either is correct

- The world's first onco-cardiology unit established at MD Anderson in 2000.
- In 2000, at MD Anderson, the world's first onco-cardiology unit (has) established.

Question 3: Please refer to the underlined (Q3) in the text. Please list 4 causes of cardiovascular complications.

Answer: 4 causes

- Aging
- atherosclerotic disease
- thromboembolism
- new drug (e.g., ICI or anti-angiogenesis drug; VEGF inhibitor etc.)

Question 4: Please refer to the underlined (Q4) in the text. Please select the right number (1, 2 and 3) of cardiovascular disease/complication which match to the cancer treatment (a, b and c.), respectively.

Answer:

- a. doxorubicin ( 2 )
- b. bevacizumab ( 1 )
- c. immune checkpoint inhibitor (ICI) ( 3 )

1. hypertension
2. congestive heart failure
3. myocarditis

Question 5: Please refer to the underlined (Q5) in the text. Please list 3 factors which are included as a cause for high-risk group of cardiac dysfunctions.

Answer: 3 factors

- high-dose anthracyclines
- high-dose radiation (30Gy) involving the heart in the field
- having 2 or more cardiovascular risk factors (smoking, hypertension, diabetes, mellitus, dyslipidemia, obesity and older age)

Question 6: Please refer to the underlined (Q6) in the text. Please explain what is a drug which increases cardiotoxicity when used together with trastuzumab.

Answer: All are correct

- anthracycline (s)
- anthracycline-containing regimen
- doxorubicin

Question 7: Please refer to the underlined (Q7) in the text. Please describe the problem of childhood cancer survivors from onco-cardiology perspective.

Answer:

Childhood cancer survivors have a significantly increase in incidents of cardiac problems when compared to non-cancer survivors, and it is necessary to adequate follow up after adulthood.

Question 8: Please refer to the underlined (Q8) in the text. Please explain what is necessary to support cancer patients in the AYA generations from onco-cardiology perspective.

Answer:

A system to provide social, economic, and emotional support in collaboration with various specialties are needed.