**QUESTION 12 - Cardiology**

The major cause of death in patients more than six months following cardiac transplantation is:

A. graft-versus-host reaction.  
B. opportunistic infection.  
C. rejection.  
D. malignancy.  
**E. coronary artery disease.**

1 In the first 30 days:

- Graft failure ----- 40%  
- Multiorgan failure — 14 %  
- Non-CMV infection — 13 %  
- Acute rejection — 7 %

Between 31 days and one year:

- Non-CMV infection — 33 %  
- Graft failure — 18 %  
- Acute rejection — 12 %  
- Allograft vasculopathy — 5 %  
- Lymphoma and other malignancies — 4 %

From one year to three years:

- Allograft vasculopathy — 14 %  
- Graft failure — 17 %  
- Lymphoma and other malignancies — 4 and 10 %, respectively  
- Non-CMV infection — 13 %  
- Acute rejection — 10 %

At more than five years:

- Allograft vasculopathy — 15 %  
- Graft failure — 14 %  
- Lymphoma and other malignancies — 5 and 18 %, respectively  
- Non-CMV infection — 10 %  
- Renal failure — 6 %  
- Acute rejection — 1 %

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1 Up to Date on cardiac transplantation - causes of death