

TRANS

POSE

Grant Agreement 738145

TRANSfusion and transplantation PrOtection and SElection of donors



Co-funded by
the Health Programme
of the European Union

Deliverable 7.2

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25/05/2020

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1. Autoimmune disease is a reason

A) to exclude a donor from bone marrow donation

B) to exclude a donor for blood donation

C) to exclude a donor for G-CSF stimulated stem cell donation

D) to exclude a donor for plasma donation



The correct answer is C:

the administration of hematopoietic growth factors might worsen the autoimmune disorder.

2. A stem cell donor with an allergic condition may

- A) Have IgE antibodies that could cause a severe allergic reaction in the recipient**
- B) Not be healthy to donate**
- C) Be exposed to allergens used during the collection process**
- D) All of the above**

The correct answer is D:

the adoptive transfer of IgE leading to allergic response in a recipient is well described; an allergic condition might mask underlying disease (allergic asthma); disinfectants and latex are allergens that are commonly used in health care settings; furthermore the donor could be allergic for certain medication (antibiotics, anaesthetics etc)

3. TRUE or FALSE?

I Deep vein thrombosis can occur due to temporary or permanent risk factors

II Deep vein thrombosis is reported as complication of femoral CVC placement

A) I is TRUE, II is FALSE

B) I is TRUE, II is TRUE

C) I is FALSE, II is TRUE

D) I is FALSE, II is FALSE



The correct answer is B



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4) A blood donor has worked six months in a rural area in Latin America, and returned three weeks ago to Europe. The specific area is known to be endemic for Chagas Disease (T. cruzi). He is feeling fit, and has no symptoms. The donor is

A) Permanently deferred due to potential exposure to Chagas Disease

B) Allowed to donate, since the expected incubation period of Chagas Disease has passed

C) Not allowed to donate, it is too soon for IgG testing for Chagas Disease

D) Temporary deferred for 4 months until testing for Chagas Disease are negative



The correct answer is D

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5) A plasma donor has travelled in Africa for 18 days, and returned last week. The area is known to be endemic for Chikungunya virus. The donor is not aware of any mosquito bites during his stay in Africa. Which of the following is applicable?

- A) Permanently deferral**
- B) Temporary deferral**
- C) Acceptable for donation**
- D) Indefinite deferral**

The correct answer is B:

based on the incubation and viremia period, a 28-day deferral for asymptomatic travellers and 28-day deferral in diagnosed donors after cessation of symptoms and treatment is considered sufficient.

6) TRUE or FALSE?

I The minimum time between donation of red cells by male donors is 56 days

II Donation of peripheral blood stem cells is unlimited

A) I is TRUE, II is FALSE

B) I is TRUE, II is TRUE

C) I is FALSE, II is TRUE

D) I is FALSE, II is FALSE

The correct answer is A:

The interval for whole blood donation for male donors is minimal 56 days, for female donors minimal 91 days.

Donation of peripheral blood stem cells is usually limited to two episodes.

7) The following are results of the medical screening of a prospective female donor

Age 16;

Hb 12,0 g/dL; Ht 35%;

Temperature 37.2°C;

History: HPV immunisation 1 week ago

The donor is

A) Acceptable for directed stem cell donation

B) Acceptable for volunteer whole blood donation

C) Acceptable for volunteer stem cell donation

D) Acceptable for volunteer oocyte donation

The correct answer is A:

there is no age limit for related donation. For volunteer donation, the age limit is usually 18 years.

8) TRUE or FALSE?

A 58-year old female blood donor revealed that she had experimented with IV drugs as a teenager.

I She is permanently deferred for donation

II She is acceptable if NAT testing for HIV, HBV, HCV are negative

A) I is TRUE, II is FALSE

B) I is TRUE, II is TRUE

C) I is FALSE, II is TRUE

D) I is FALSE, II is FALSE

The correct answer is C:

The lifetime deferral for intravenous drug abuse can be shortened to an adequate rehab time, if using NAT-testing for HIV, HBV, HCV.

9) A 27-year old female blood donor recently finished the vaccination series for hepatitis B. Which of the following is applicable?

- A) Permanently deferral**
- B) Temporary deferral**
- C) Acceptable for donation**
- D) Indefinite deferral**

The correct answer is B:

A deferral of 1-4 weeks is recommended depending on assay used for testing, as the vaccine may lead to a false positive result.

10) Minimum limits for donation volume are required for procurement for clinical use. Maximum limits are set for the donor's safety. Which of the following volume is?

I A maximum of 15% of the donor's blood volume, including 40 ml sample pouch

II A maximum of 15% of the donor's blood volume and additional 40 ml sample pouch

A) I is TRUE, II is FALSE

B) I is TRUE, II is TRUE

C) I is FALSE, II is TRUE

D) I is FALSE, II is FALSE

The correct answer is A:

European Blood Establishments use anticoagulated blood donation kits set for 405-500 ml whole blood collection and recommend that no more than 15% of the donor's blood volume (including 40 ml sample pouch) are collected per donation.

11) TRUE or FALSE

A 69 year old man dies, due to septicaemia. He is carrying a donor card, which reveals his wish to donate his tissue.

I Septicaemia as cause of death is a contra-indication for heart-valve donation

II Septicaemia as cause of death is a not contra-indication for cornea donation

A) I is TRUE, II is FALSE

B) I is TRUE, II is TRUE

C) I is FALSE, II is TRUE

D) I is FALSE, II is FALSE

The correct answer is B:

The presence of any systemic infection would lead to the donor being deferred for heart valve/tendon donation. In cornea donation sepsis has not been shown to infect the cornea tissue or lead to infection of the recipient with the septic bacteria when corneas are stored in organ culture.

12) To reduce the risk of developmental disorders in offspring and ensure product quality, upper age limits are set for semen and oocyte donors. Which of the following criteria proposed by TRANSPOSE is right?

- A) The upper age limit for both male/female donors is 40 years**
- B) The upper age limit for male donors is 60, for female donors 30-40**
- C) The upper age limit for male donors is 45, for female donors 35-45**
- D) The upper age limit for male donors is 70, for female donors 25-35**



The correct answer is C



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13) Which measures are related to the prevention of classical Creutzfeldt-Jakob Disease (CJD)?

- A) Deferral of donors treated in the past with human growth hormone**
- B) Deferral of donors with a blood transfusion history**
- C) Deferral of donors originating from the United Kingdom**
- D) Deferral of donors working in cattle breeding**

The correct answer is A:

Iatrogenic CJD has been described following treatment with pituitary-derived human growth hormone, human gonadotrophin, dura mater grafts, corneal transplants and through contaminated neurosurgical instruments.

14) The principle of 'first do no harm' is called

A) Integrity

B) Beneficence

C) Non-maleficence

D) Autonomy

The correct answer is C:

non-maleficence – it is a part of a physician’s oath to do no harm. In bioethical terms, the principle of non-maleficence means that healthcare professionals should avoid harming a patient.