

# Malignancy

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## Condition

Includes all haematological and non-haematological malignancies, but excludes benign tumours.

## Individual at risk

Recipient

## Guidance at RECRUITMENT for adult volunteer donor and maternal donor (cord blood donation)

UNACCEPTABLE, except completely treated basal cell carcinoma of the skin and cured in-situ carcinoma (see below).

## Guidance at CT/WORK-UP

UNACCEPTABLE, but see below.

Donors with malignancy or with a history of malignancy must not donate.

There are two exceptions from this:

1. Cured carcinoma in-situ. In the EU, legislation limits this category to cervical carcinoma in-situ, whereas in other countries cured localized squamous cell carcinoma of the skin cancer, breast cancer in-situ and bladder cancer in-situ might also be acceptable.
2. Successfully and completely treated basal cell carcinoma

Women with known positivity for BRCA1 or 2 but no history of cancer are acceptable as donors. All such women should have a breast examination performed at work-up.

In the above cases, these conditions must always be communicated to the requesting transplant centre.

## Justification for guidance

There is a risk of transmission of malignancy to the recipient.

Melanoma in-situ found in younger people, typical of the age of donors, are uncommon but have a reported recurrence rate of 5%. Such patients are at a higher risk of developing melanoma in other locations. In addition, melanoma has been proven to be transmissible by organ transplantation.

## References

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Browne PV, Lawler M, Humphries P, McCann SR. Donor-cell leukemia after bone marrow transplantation for severe aplastic anemia. N Engl J Med 1991; 325(10): 710-3.

See also [Project Notify](#)