

Renal disease

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Renal diseases not transmissible via HCST

Examples:

- Congenital malformation
- Nephrectomy after injury or dysfunctional kidney (e.g. hydronephrosis from childhood)
- Polycystic kidney disease
- Nephrotic syndrome

Other conditions:

- Nephrolithiasis (kidney stones)
- Kidney donation

Individual at risk

Donor

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

UNACCEPTABLE if progressive disease and / or global renal function is impaired.

Guidance at CT/WORK-UP

PERMANENT DEFERRAL if progressive disease and / or global renal function substantially impaired.

Otherwise, according to clinical reasoning by the assessing physician, the donor could be eligible, temporarily unavailable or permanently deferred.

Evaluate carefully for absence of inflammatory (autoimmune or infectious) nephropathy. If there is a suspicion of an inflammatory nephropathy, but renal biopsy is not indicated, inform the requesting transplant centre and proceed with bone marrow collection only if requested (see below).

Nephrolithiasis: Assess the type of kidney stones in the available medical history, document the type of kidney stones if this information is available. Accept if fully recovered from acute event.

Justification for guidance

Use of granulocyte colony-stimulating factor has been associated with reports of acute glomerulonephritis, almost all of which have been immune complex associated.

Donors with progressive disease or impaired kidney function may be at increased risk of adverse events associated with either type of donation.

Renal diseases potentially transmissible via HCST

Condition

Chronic infectious or autoimmune diseases, for example:

- Tuberculosis
- Chronic pyelonephritis
- Chronic glomerulonephritis
- IgA nephropathy

Individual at risk

Donor / recipient

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

IgA nephropathy ACCEPTABLE

Others UNACCEPTABLE

Guidance at CT/WORK-UP

Biopsy/diagnosis confirmed IgA nephropathy ACCEPTABLE for bone marrow only if condition does not impact kidney function. Inform the requesting transplant centre and proceed if requested.

Others UNACCEPTABLE, PERMANENT DEFERRAL

Justification for guidance

Donors with chronic infectious or autoimmune disease may experience exacerbations of their disease as a result of donation. In addition, there is a risk of transmission of infectious agents or autoreactive lymphocytes to the recipient.

References

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CURRENT (v. 3)	Apr 26, 2024 16:52	Eefke van Eerden	Updated references, guidance at Recruitment for potentially transmissible disease, and guidance
v. 2	Mar 28, 2018 12:09	Former WMDA staff member (admin)	
v. 1	Mar 28, 2018 12:09	Former WMDA staff member (admin)	