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of graft function due to immunological or non-immunological factors. Circulating cell-free DNA (cfDNA) is degraded deoxyribonucleic acid fragments that are released into the blood and other body fluids. Donor-derived cell-free DNA (dd-cfDNA) is cfDNA that is exogenous to the patient and comes from a transplanted organ.

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Name of Journal: *World Journal of Experimental Medicine*

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Emerging role of cell free DNA in kidney transplantation

Bhavna Chopra, Kalathil K Sureshkumar

Abstract

Monitoring of kidney transplant for rejection conventionally includes serum creatinine, immunosuppressive drug levels, proteinuria and donor specific antibody (DSA). Serum creatinine is a late marker of allograft injury, and predictive ability of DSA regarding

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Antibody-mediated rejection (ABMR) is a major cause of kidney transplant failure which requires donor-specific antibodies (DSA) for a definitive diagnosis. Donor-derived cell-free DNA (ddcfDNA) is an emerging biomarker used to **assess kidney allograft injury**.

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