Protein Biomarkers of Delayed Recovery After Kidney Transplant

**OCR Number:** OCR 7192

**Description:**

**Targeted Urine Proteome Multiple Reaction Monitoring Assay (TUPA) For Early Detection of Delayed Graft Function after Kidney Transplant**

- Delayed Graft Function (DGF) can occur following deceased donor kidney transplantation and results in rejection.
- Current approaches for diagnosing DGF may take up to a week and are thus inadequate for early targeted therapy.
- We identified a 4 protein biomarker panel that provides strong discrimination between DGF and Immediate Graft Function (IGF) with an AUC of 0.891.
- This method will improve treatment for patients at highest risk of DGF and offer insights into novel therapeutic strategies.
- **IP status:** Provisional Patent Application No. 62/600,643

![Graph showing protein biomarker levels over time]

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