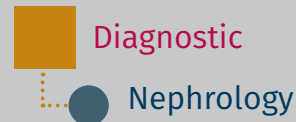


Flurinocyte - urine flow cytometry as biomarker for renal diseases



PRINCIPAL INVESTIGATORS:
PD Dr. Philipp Enghard
Charité



SUMMARY

The project aims at developing a diagnostic assay to quantify cellular components present in human urine via flow cytometry. Cells identified and quantified allow the differential diagnosis of several renal diseases. The presence or absence of specific cell types correlated to disease activity and disease severity. This simple urine test could be used as a diagnostic tool, to screen patients who need a renal biopsy, monitor treatment and predict outcome. The assay could become a helpful tool in the clinic when a quick primary assessment is required to define subsequent clinical workup and may enable a more personalized treatment.

PROJECT ACHIEVEMENTS DURING & AFTER SPARK

- Data validation in different patient groups
- Established an easy-to-use sample conservation protocol to simplify the test logistics
- Currently validating marker and sample logistics in two multi-center studies on renal diseases