



METABOLOMIC BIOMARKERS FOR ACUTE KIDNEY INJURY, ASSAYS, COMPOSITIONS AND METHODS OF USE THEREOF

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The Invention

UW-Madison researchers have identified a panel of metabolites that could be useful indicators of AKI. A prospective observational study of NICU patients was completed, including the collection of urine samples from 40 preterm neonates, 5 who developed AKI, and 35 who did not. After collection, the researchers completed a metabolomic analysis and identified ~ 20 metabolites that are significantly different for those having AKI compared to those who do not. With some additional refinement, the researchers believe that this panel could include biomarkers useful in predicting/diagnosing AKI in infants. Further, these biomarkers can be detected much earlier than serum creatinine, enabling a more rapid/timely assessment.

Additional Information

For More Information About the Inventors

- [Joshua Coon](#)

Tech Fields

- [Diagnostics & Biomarkers : Biomarkers](#)
- [Diagnostics & Biomarkers : Diagnostics](#)

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