**Biomarkers of cognitive impairment in CKD**

"Cognitive impairment" can be explained as "problems with thinking”.

It means having trouble with things like remembering, making decisions or understanding things clearly. Many people forget where they put their keys or find it hard to concentrate, but more serious problems can occur in people living with long-term physical illnesses.

These memory difficulties can lead to problems such as not following treatment correctly and both more and longer hospital stays.

In our study, we want to find better tests that show when people with kidney problems have these thinking difficulties so we can help.

We also need to find reliable blood tests (“biomarkers”) for cognitive impairment in patients with chronic kidney disease who are already frail and vulnerable, so that we can help them and their families manage their disease.

Our goal is to find the best way to identify people living with kidney disease with cognitive problems so we can help, and educate them and other healthcare providers.

Why is this important? Patients with kidney disease often do not get help for their cognitive problems. We need better tools to help patients sooner. This could also help people with other diseases that affect thinking.

The money obtained will be used to perform newly developed blood tests that may be useful in this special population of patients.

If we succeed, it will demonstrate the possibility of detecting these problems, so national healthcare funders can further support such projects that can really make a difference to people's lives.