

The use of Alpha Defensin in Periprosthetic Joint Infection revision surgery

PARTICIPANT INFORMATION

- Infection around a hip or knee joint replacement is known as a 'periprosthetic joint infection'
- They can be very difficult to diagnosis and to treat
- One of the treatments is to take the infected joint replacement out, treat with a period of antibiotics and then put a new joint replacement back in
- Before the new joint replacement is put back in we need to be as sure as we can be that all the infection has gone
- At the moment, the best way of doing this is by taking samples from the joint, sending them to the laboratory and seeing if they grow any 'bugs'
- However, this test requires multiple samples and several days to get a final result
- This research project is trying out a new test that only requires one small sample and gives you a result within a few minutes
- To do this we will need to take a sample of joint fluid during your operation and test it with the new type of test
- You will then have several other samples sent to the laboratory for the routine testing
- We will then see if the results we get from the new quicker test match with the results from the established laboratory test
- The research team will also need to look at your medical notes and previous test results (including xrays, scans and blood results) to see if the results of the new test alter between different types of patient or different types of infection
- All the information recorded by the research team will be anonymised
- Any results that are published will not include any patient identifiable information
- We will keep a copy of your consent form, that will have your name on it, but this will be stored in a secure office in an NHS building