INFORMATION FOR PARTICIPANTS AND RELATIVES

Lay title of this research study: Blood collection from venepuncture and intravenous cannulas

Why are we collecting information for this research study?
We would like to invite you to participate in a study on blood sampling from venepuncture and intravenous cannulas. Venepuncture is when a needle is put into your arm for the specific purpose of drawing blood. Intravenous cannulas are little plastic tubes put into your arm to enable you to be given fluids or medications. They can also be used for collecting blood. Joondalup Health Campus and Edith Cowan University are working together to determine if taking blood through a cannula changes the length of time that the cannula is able to work. We plan on determining if collecting blood through an intravenous cannula increases the frequency of failure compared to when blood is instead only collected by venepuncture. The information learnt from this study will lead to improved evidence and decision making around patient comfort and safety during blood draws.

Who are the researchers?
The researchers conducting this study are, Dr Hugh Davies, Ms Alycia Jacob, Professor Elisabeth Jacob, Dr Linda Coventry, Ms Charlotte La Verghetta.

What information is collected, when and by whom?

The study will take place during your hospital stay. You will be asked by the research nurse if you would like to participate while you are in the Emergency Department. The research nurse will ensure that you have received and understood this information sheet. They will ask if you have any questions about the study, and if you agree to participate.

If you agree to participate the research nurse will randomly assign you to a group that will sample your blood either by venepuncture or from your intravenous cannula. They will document how your blood was sampled. The research nurse will track what occurs with your intravenous cannula whilst you are in hospital. This will occur after three days by accessing your medical records.

How we will keep your information confidential?
All personal information is kept strictly confidential and cannot be used outside of this research study. Paper copies will be kept in a locked cabinet in a locked office. Electronic information will be stored in a password protected database that can only be accessed by the research team. You will be given a unique identification number. Your data will be provided to members of the research team outside the hospital in a de-identified format. **This means that your name will not be identified in any reports that are produced, and your privacy and confidentiality will be maintained.**

How will your information be used and reported?
The results from this study will be used to provide evidence to guide hospital and health service policy relating to the use of intravenous cannulas for blood sampling. Results will be reported in peer-reviewed scientific journals, at scientific meetings, and other professional forums.

What are the risks and benefits to you?
There are no additional risks to you as both blood sampling from venepuncture and intravenous cannulas is routinely performed in clinical practice. You will not receive any form of compensation for your participation in this study. Although there are no direct benefits to you, it is anticipated the information from this research study may assist in improving policy and practice around the use of intravenous cannulas for blood sampling for future patients.

Will this affect your care?
The way your treating nurses and doctors approach your treatment and long-term care will not be affected, regardless of whether or not you participate in this research study.

Participation is voluntary
Participation in this study is voluntary.

You are under no obligation to participate and can change your mind at any time. Any decision you make will **not affect your regular medical** care or any benefit to which you would otherwise be entitled. You can withdraw at any time without any form of penalty. If at any time after consenting you no longer wish your information to be collected or used for this study, please contact the researcher below.

If you have any questions about the research study, would like further information, or have any other research-related issues, please contact Dr Hugh Davies on email at h.davies@ecu.edu.au or telephone: +60 6304 3511.

Any person with concerns or complaints about the research study can contact the Joondalup Health Campus Research & Ethics Manager on telephone: +61 8 9400 9897.

This research study has been approved by the Ramsay Health Care WA/SA Human Research Ethics Committee.
