

A pilot study to compare supine and erect pelvis radiographs – assessment of impact on radiation dose and diagnostic quality (SEPRAIDD)

Why we are inviting you to take part in this research?

You have been referred for an x-ray (radiograph) of your hip or pelvis and we want to invite you take part in a research study looking at the best way to take these x-rays. Before you make your decision it is important for you to understand why the research is being done and what it will involve.

Please take time to read the information carefully. You may want to talk to others about the study before taking part. Please ask us if there anything unclear or if you would like more information. A telephone number has also been provided overleaf.

What is the purpose of the study?

X-Ray images are the most common tool for investigating diseases of the hip joint. Being able to compare these images over time is important. When patients have pelvic x-rays taken they are asked to lie on an x-ray table. We want to know whether it would be beneficial to take the x-ray standing up.

For some patients this may be more comfortable or may show different abnormalities.

We want to look at patient perspectives of the 2 techniques as well as the appearances of the x-ray and what differences they show between lying and standing. We need to compare the radiation dose for techniques to ensure patients receive the lowest dose possible.

What would taking part involve?

You are being asked to consent to a member of the radiographic team taking an extra pelvis x-ray in addition to that which would normally be obtained. This x-ray will be obtained with you standing upright rather than lying on the examination table.

We need to take measurements of your height and weight before the x-ray is performed to ensure the examination is of optimal standard. After the x-ray you will also be asked your preference for position (lying or standing). By participating in this study you are consenting to these x-rays being retained for a period of 3 years to support future research and analysis in this area.

What are the possible benefits of taking part?

There will be no direct benefit to you in taking part.

These x-rays will enable us to compare the two different positions and may help change future practice so that these examinations can be performed to provide the best detail and patient satisfaction.

What are the potential disadvantages and risks of taking part?

The main disadvantages are the increased time for the examination and the radiation dose for the additional x-ray. The time taken to complete the consent process and have the second x-ray performed is likely to require an additional ten minutes of your time. The lowest possible dose will be

utilised and the equipment has been set up to ensure consistency. The additional radiation dose you receive will be less than the normal amount of background radiation you would receive in a 6 week period.

Do I have to take part in the study?

No, it is up to you whether you choose to take part in the study.

When you attend for your appointment you may be asked whether you want to take part. Participation in the research is voluntary and if you wish to participate in this study, you will be provided with a consent form to sign. Even if you agree to take part on the day of your x-ray appointment you can change your mind.

Data Sharing

Your data will be made anonymous as soon as possible and will only be accessed by staff directly involved within the study, including the Mid Yorkshire Hospitals NHS Trust and the Universities of Bradford and Salford.

All study data will be held in secure locations and will be destroyed three years after the

end of the study. The additional x-ray taken will be held with your other x-rays to be permanently available for clinicians looking after your care.

Study Results

A newsletter style copy of the study outcomes will be freely available to any participant who wishes to view it. In order to receive this, please leave an electronic contact on your consent form.

The findings of this study will be reported nationally and locally in the hospital newsletter.

The data and results stated in these publications will be anonymous.

Supporting Information

If you change your mind and wish to withdraw from the study please contact us on the telephone number below, up to the start of data analysis (1 month from end of recruitment). This will not affect your medical care in any way.

How to contact us:

If you have questions about this research study or wish to withdraw your data from the study, please contact us on :

01924 542297

or email

radiology.research@midyorks.nhs.uk

If you have general questions about taking part in research, please contact :

01924 543771