

FREEDOM OF INFORMATION ACT 2000

THE ROYAL CORNWALL HOSPITALS NHS TRUST RESPONSE TO INFORMATION REQUEST

Date Request Received: 9th June 2016

FOI Ref: 1378

Requested Information

- 1) Do you conduct multi-parametric MRI (mpMRI) scans (using T2-weighted, diffusion-weighted and dynamically enhanced sequences) before prostate biopsies?

If no, it would be helpful to know what the main reasons are:

If yes, it would be helpful if you can provide an estimate of the percentage of men who receive an mpMRI scan before prostate biopsy:

- 2) How many scanners do you have available to use for mpMRI scans before prostate biopsy?
- 3) For each individual scanner used for mpMRI scans before prostate biopsy, please provide the following:
 - Make Philips Intera 1.5T, upgraded to Achieva platform 2011; Philips Achieva 1.5 T
 - Model: above
 - Magnetic field strength: 1.5T
 - Age: Intra 1.5T acquired 2001 upgraded 2011, Acheiva 2005 (FOI ref 1104)
 - When the scanner is due to be replaced: November with our new Philips Ingenia
- 4) How many mpMRI scans before prostate biopsy do you estimate you carry out per year?
 - 0
 - Up to 50
 - 50 – 100
 - 100 – 250
 - 250 – 500
 - 500 – 750
 - 750 – 1000
 - More than 1000
- 5) Do you intend to increase the number of mpMRI scans before prostate biopsy following the first results from the large clinical trial PROMIS?

The ASCO 2016 abstract has shown mpMRI as a triage test can identify one quarter of men (27%) who might safely avoid unnecessary biopsy, without impairing the detection of clinically significant cancer (<http://abstract.asco.org/176/AbstView 17...>)

- a) If yes, do you currently have sufficient resources and capacity to cope with this increase?

Response

- 1) Royal Cornwall Hospitals NHS Trust does not conduct multi-parametric MRI (mpMRI) scans before prostate biopsies for two reasons:
 - a. Our scanners are 12 and 14 years old (Radio Frequency upgrade 3 years ago but very poor gradients on the 14 year old scanner). The Trust believe that it isn't able to produce adequate diffusion imaging of the prostate for multi-parametric MRI

- b. Recently the demand on our MRI service has increased substantially with a very large increase in cardiac MRI cases. However, RCHT will start multi-parametric MRI (mpMRI) scans in January 2017 with the installation of a third scanner
- 2) RCHT has two MRI scanners at present but neither is available for multi-parametric MRI (mpMRI) scans before prostate biopsy due to the inadequate imaging diffusion. RCHT is however installing a new Philips Ingenia in January 2017, which will be able to perform multi-parametric MRI (mpMRI) scans
- 3) Neither of the two MRI scanners at RCHT is used for multi-parametric MRI (mpMRI) scans before prostate biopsy due to inadequate imaging diffusion. RCHT is however installing a new Philips Ingenia in January 2017, which will be able to perform multi-parametric MRI (mpMRI) scans
- 4) RCHT carries out no multi-parametric MRI (mpMRI) scans due to inadequate imaging diffusion. However RCHT will commence multi-parametric MRI (mpMRI) scans in January 2017 when installation has been completed on the new Philips Ingenia
- 5) RCHT will commence multi-parametric MRI (mpMRI) scans in January 2017 when the new Philips Ingenia is installed

Attachment(s)?

None

Date Response Sent:7th July 2016