

<b>Reference:</b>	FOI.1503.19
<b>Subject:</b>	Urology departments' MRI use for prostate cancer diagnosis
<b>Date of Request:</b>	29 August 2019

**Requested**

1. Do you routinely conduct prostate MRI (bpMRI/mpMRI) scans before first prostate biopsy as part of the initial diagnostic process? (please tick all that apply):
  - a. Yes, using T2-weighted, diffusion-weighted (multi-b ADC and high/long and dynamic contrast enhanced (DCE) sequences
  - b. Yes, using T2-weighted, diffusion-weighted (multi-b ADC and high/long b) sequences but not DCE
  - c. No but we refer to another provider (please provide details)
  - d. No (please provide details)
2. If yes, to 1a: What percentage of men with suspected prostate cancer receive mpMRI before biopsy as part of the initial diagnostic process?
3. If yes, to 1b: What percentage of men with suspected prostate cancer receive bpMRI before biopsy as part of the initial diagnostic process?
4. If you are based in Wales, we acknowledge that Health Boards have been developing pre-biopsy mpMRI implementation plans in recent months to bring their practice into line with NICE guideline [NG131], Prostate cancer: diagnosis and management.

Please provide details of when you expect the following to be implemented for all eligible people:

- multiparametric MRI offered as the first-line investigation for people with suspected clinically localised prostate cancer; and
- People whose Likert score is 3 or more to be offered multiparametric MRI-influenced prostate biopsy.

5. What are your eligibility criteria/exclusion criteria for prostate MRI? (please tick all that apply):
  - a. Age (please provide details)
  - b. Symptoms (please provide details)
  - c. Life expectancy (please provide details)
  - d. Contra-indications (please provide details)
  - e. Other (please provide details)
6. Are you using results from the prostate MRI before biopsy to rule some men out of biopsy as part of the initial diagnostic process? (yes/no)
7. Do you biopsy all PI-RADS or LIKERT 3 scores?
  - a. Yes
  - b. No
  - c. Dependent on other patient histology
8. What threshold do you mostly use for ruling men out of biopsy?
  - a. PI-RADs 3 and above
  - b. LIKERT 3 and above

- c. PI-RADs 4 and above
- d. LIKERT 4 and above
- e. Varies depending on age (Please provide detail)
- f. Varies depending on other factors (Please provide detail)

9. What percentage of men do you estimate are ruled out of biopsy?

10. Have there been any changes to your prostate MRI capacity in the last year? (please choose all that apply):

- a. An additional or new MRI scanner
- b. Increased MRI scanner slots for prostate
- c. Agreement to use Dynamic Contrast Enhancement
- d. No longer using Dynamic Contrast Enhancement
- e. A scanner/magnet upgrade
- f. other (free text)

11. Has the number of radiologists at your trust/health board who report prostate MRI scans changed in the last year?

- a. Increased
- b. Decreased
- c. Stayed the same

12. How many radiologists at your trust/health board report at least 250 prostate MRI scans per year?

13. Which of the following processes do you follow to manage men ruled out of an immediate biopsy, but with a raised PSA?

- a. NICE Guidelines: prostate cancer diagnosis and management (NG131)
- b. A local protocol (please provide details)
- c. Other (please provide details)

**Response:**

1. Hywel Dda University Health Board (UHB) confirms answer b: Using T2-weighted, diffusion-weighted (multi-b ADC and high/long b) sequences but not DCE.
2. Not applicable.
3. The percentage of men with suspected prostate cancer that receive bpMRI before biopsy is approximately 65% for all suspected prostate cancer referrals.
4. The UHB has implemented the pathway. All Pre-Biopsy MRI is discussed with specialist Uro-Radiologists, a biopsy is offered where indicated (including targeted biopsy).
5. The UHB's eligibility criteria/exclusion criteria for prostate MRI is as follows:
  - a. Patients over the age of 80 are not offered routine Pre-Biopsy MRI.
  - b. Symptoms are not a factor in requesting MRI, if UTI is ruled out.
  - c. Life expectancy 10 years or more.
  - d. Relative contraindications are, pacemaker, claustrophobia (all general contraindications for MRI apply).

6. The UHB confirms results from the prostate MRI before biopsy are used, to rule some men out of biopsy as part of the initial diagnostic process.
7. The UHB confirms answer c: Dependent on other patient factors, such as comorbidity.
8. The UHB confirms answer f: Dependent on other patient factors, such as comorbidity, PSA density and history of previous biopsy.
9. The audit for this year has not been completed at present therefore the UHB does not currently hold this information.
10. The UHB confirms answer a: A new replacement MRI scanner is due to be installed in February 2020, which will provide additional capacity.
11. The UHB confirms answer c: No changes to the number of radiologists in the UHB who report prostate MRI scans.
12. The UHB does not hold this information.
13. The UHB confirms answer a: NICE Guidelines: prostate cancer diagnosis and management (NG131) are followed to manage men ruled out of an immediate biopsy, but with a raised PSA.