

Ref. No: 2671
Date: 3rd July
Subject: Prostate MRI: Assessment of Capacity and Quality

REQUEST

Trust Details

- Trust full name: **Mersey and West Lancashire Teaching Trust (Southport)**
- Trust address: **Town Lane Kew Southport**
- Trust postcode: **PR8 6PN**

Scanner Inventory

- How many MRI scanners are used for prostate imaging at your Trust? (N): **2**

(For each scanner)

- Manufacturer: **GE and Philips**
- Scanner Model: **GE = Signa Explorer / Philips = Ingenia**
- Scanner magnetic field strength (T): **both 1.5T**
- What year was the scanner manufactured?: **GE = Signa Explorer (originally Optima 360 2014)- uplifted in Aug 2023 to explorer / Philips = Ingenia installed in 2020 – AAT installed in 2022 - further software updated July 2026 -smart precise**
- What year was the scanner software last updated?: **Philips = 2026 / GE 2022**
- Is this scanner a permanent or mobile unit?: **Permanent**
- Is this scanner PIRADS v2.1 compliant?: **Yes**
- If 'NO', why is this scanner PIRADS v2.1 non-compliant? (Example: lack of high b-value ($\geq 1,400$ sec/mm²) image set):
- Is an endorectal coil used with this scanner?: **No**
- If 'YES', please describe the endorectal coil used with this scanner (Example: DxTx Medical, eCoil):
- Are any AI-based reconstruction or acquisition acceleration techniques used with this MRI scanner? (Example: No / Yes, vendor-provided / Yes, third-party AI software / Other): **Yes – Air Recon DL**
- If 'Other', please describe:
- What is the full time slot that you dedicate to a multiparametric prostate MRI scan, including set-up, patient preparation time, imaging sequences, and patient turnaround? (X minutes): **45 minutes**

- What is the full time slot (minutes) that you dedicate to a biparametric prostate MRI scan, including set-up, patient preparation time, imaging sequences, and patient turnaround? (X minutes): **N/A**

Supplementary Imaging Techniques

- Do you use an antispasmodic during prostate MRI imaging?: **Yes**
- If 'YES', please describe your antispasmodic drug, route of administration and dose (Example: Hyoscine butylbromide, intramuscular, 20mg): **Hyoscine butylbromide; iv; 1mg**
- Do you use any bowel preparation before prostate MRI imaging?: **No**
- If 'YES', please describe your method of bowel preparation (Example: Rectal enema):
- Do you currently use an AI algorithm (commercial or academic) as part of your clinical workflow for prostate MRI reporting?: **No**
- If 'YES', please describe which algorithm(s) is currently being used (Example: Pi - Lucida Medical):

Capacity

- How many prostate MRIs were performed at the Trust in the last 3 months? **150**
- In the past 3 months, what proportion(%) of these scans were biparametric? **0**
- How many prostate MRIs were performed at the Trust in 2025? **737**
In 2025, what proportion(%) of these scans were biparametric? **0**
- How many prostate MRIs were performed at the Trust in 2024? **610**
- In 2024, what proportion(%) of these scans were biparametric? **0**
- How many prostate MRIs were performed at the Trust in 2023? **512**
- In 2023, what proportion(%) of these scans were biparametric? **0**

Workforce

- How many radiologists report prostate MRIs at your Trust? (N): (For each radiologist) **3**
- How many prostate MRIs does radiologist X report per year? **212**
- How many years of experience does radiologist X have in reporting prostate MRIs? **– 4 years**

Access

- Based on the last 3 months, what is the mean wait time (days) for patients to receive an MRI having been referred onto the 2-week suspected prostate cancer pathway? (Duration from date of referral to date of scan in days): **7.48 days**
- Based on the last 3 months, what is the mean wait time (days) for prostate MRI interpretation by a radiologist? (Duration from date of scan to date of report in days): **2.711 days**

