

## MRI Scans

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Reference Number: RDF2061-23

Date of Response: 15/12/23

Further to your Freedom of Information Act request, please find the Trust's response(s) below:

Please be aware that the Royal Devon University Healthcare NHS Foundation Trust (Royal Devon) has existed since 1<sup>st</sup> April 2022 following the integration of the Northern Devon Healthcare NHS Trust (known as Northern Services) and the Royal Devon and Exeter NHS Foundation Trust (known as Eastern Services).

*Dear Royal Devon University Healthcare NHS Foundation Trust,*

1. *The number of MRI scans performed for the following from Financial Year 2017 to 2022 inclusive please,*
  - a. *Central Nervous System*
    - i. *Brain* - 23,352.
    - ii. *Spine* – 26,037.
    - iii. *Other Surrounding Tissue* – 26,552.
  - b. *Whole Body*: The Trust does not hold the information in a reportable format, historically no dedicated code was in use for this exam so patients would have been booked for multiple body parts and it is not possible to separate them out from other work performed.
  - c. *Head & Neck* - 40,071.
  - d. *Thorax, including Breast* - 2,338.
  - e. *Abdomen, including Liver & Kidneys* - 1,953.
  - f. *Pelvis, including Prostate* - 12,086.
  - g. *Musculo-skeletal system* - 12,086.
  - h. *Cardiac* - 4,722.
  - i. *Angiography* - 1,794.

Answer: Please see above representing Royal Devon's Eastern Services and see the attached response representing Royal Devon's Northern Services.

In accordance with Section 40 (2) of the Freedom of Information Act 2000, we are unable to provide figures where the number of patients is less than or equal to five and could risk the identification of those patients and breach Caldicott principles. In these cases ≤5 is used to indicate that a figure between 1 and 5 is being suppressed.

This follows NHS Digital (formerly HSCIC) analysis guidance (2014) which states that small numbers within local authorities, wards, postcode districts, CCG's providers and Trusts may allow identification of patients and should not be published.

2. *The number of MRI scans for the above listed investigations using a macrocyclic gadolinium contrast agent(s)*

Answer: Royal Devon's Eastern Services: All our contrast imaging since 2017 has been performed using Gadovist which is a macrocyclic agent. The only exception to this is the use of Primovist for MRI livers.

Please see the attached response representing Royal Devon's Northern Services.

3. *The average number of doses of a macrocyclic gadolinium contrast agent(s) per scan*

Answer: Royal Devon's Eastern Services -1, the only exception is Cardiac MRI which is up to 2 doses for Stress cardiac imaging.

For Royal Devon's Northern Services - The Trust has considered your request however, to provide you with the information requested would require the manual extraction and manipulation of information from various sources, including individual patient records. The information is not held in a reportable format, the Trust would need to review every MRI scan held as part of a patient's medical record held within the Electronic Patient Record (EPR).

To carry out this work would exceed the appropriate cost limit as set out in Section 12 (1) of the Freedom of Information Act 2000 and is therefore exempt.

Under the Freedom of Information Act 2000 Section 12 (1) and defined in the Freedom of Information and Data Protection (Appropriate Limit and Fees) Regulations 2004, a public authority is not obliged to comply with a request for information if it estimates the cost of complying would exceed the appropriate limit. The limit of £450 represents the estimated cost of one person spending two and a half days in determining whether the Trust holds the information, locating, retrieving and extracting that information.

It would not be appropriate to review a patient's medical record for release under FOI as it is personal data and would not be lawful or transparent to patients to view their records for this purpose. As such it is exempt under Section 40(2) of the FOI Function as it is in breach of Principle 1 of the UK GDPR

4. *The number of rescans, which are performed due to the outcome of a poor-quality image when using a macrocyclic gadolinium contrast agent in the initial scan.*

Answer: Royal Devon's Eastern Services – Nil. For Royal Devon's Northern Services please see the response to question 3.

5. *The number of rereports required due to the outcome of a poor-quality image when using a macrocyclic gadolinium contrast agent in the initial scan.*

Answer: Answer: Royal Devon's Eastern Services – Nil. For Royal Devon's Northern Services please see the response to question 3.

Exam Name	Code	Number of Exams Per Year 2017/18 to 2021/22
MRA Aorta Whole	MAAOW	≤5
MRI Abdomen	MABDO	60
MRI Abdomen with contrast	MABDOC	12
MRI Pancreas	MABPA	60
MRI Abdomen and pelvis	MABPE	61
MRI Abdomen and pelvis with contrast	MABPEC	≤5
MRI Achilles tendon Left	MACTL	≤5
MRI Achilles tendon Right	MACTR	≤5
MRA Neck	MACTV	6
MRI Adrenal Both	MADRB	14
MRA Head	MAICA	364
MRA Head with contrast	MAICAC	≤5
MRA Lower Limbs	MALLB	115
MRI Ankle Both	MANKB	≤5
MRI Ankle Lt	MANKL	103
MRI Ankle with contrast Lt	MANKLC	≤5
MRI Ankle Rt	MANKR	112
MRI Ankle with contrast Rt	MANKRC	≤5
MRI Aorta	MAORT	≤5
MRA Renal/Visceral	MAREV	7
MRA Upper Limb Lt	MAULL	≤5
MRI Axilla Both	MAXIB	≤5
MRI Axilla Lt	MAXIL	≤5
MRI Axilla Rt	MAXIR	≤5
MRI Axilla with contrast Rt	MAXIRC	≤5
MRI Pelvis and bladder	MBLPE	≤5
MRI Brachial Plexus	MBRPX	37
MRI Buttock Both	MBUTB	182
MRI Buttock Lt	MBUTL	≤5
MRI Calcaneus Lt	MCALL	≤5
MRI Calcaneus Rt	MCALR	≤5
MRA Carotid Both	MCARB	20
MRI Thorax	MCHES	43
MRI Thorax with contrast	MCHESC	≤5
MRI Clavicle Both	MCLAB	≤5
MRI Clavicle Rt	MCLAR	≤5
MRI Spine coccyx	MCOCX	6
MRI Spine Cervical	MCSPN	1714
MRI Spine cervical with contrast	MCSPNC	31
MRI Spine cervicothoracic	MCTSP	294
MRI Spine cervicothoracic with contrast	MCTSPC	≤5
MRI Elbow Lt	MELBL	37
MRI Elbow with contrast Lt	MELBLC	≤5
MRI Elbow Rt	MELBR	39
MRI Elbow with contrast Rt	MELBRC	≤5
MRI Craniofacial	MFACI	≤5
MRI Craniofacial with contrast	MFACIC	≤5
MRI Forearms Both	MFARB	≤5
MRI Forearm Lt	MFARL	11
MRI Forearm Rt	MFARR	7
MRI Forearm with contrast Rt	MFARRC	≤5
MRI Fingers Lt	MFINL	7
MRI Fingers Rt	MFINR	7

<b>Exam Name</b>	<b>Code</b>	<b>Number of Exams Per Year 2017/18 to 2021/22</b>
MRI Foot Both	MFOOB	≤5
MRI Foot with contrast Both	MFOOBC	≤5
MRI Foot Lt	MFOOL	70
MRI Foot with contrast Lt	MFOOLC	21
MRI Foot Rt	MFOOR	56
MRI Foot with contrast Rt	MFOORC	16
MRI Hand Both	MHANB	≤5
MRI Hand with contrast Both	MHANBC	62
MRI Hand Lt	MHANL	17
MRI Hand with contrast Lt	MHANLC	≤5
MRI Hand Rt	MHANR	18
MRI Hand with contrast Rt	MHANRC	≤5
MRI Hip Both	MHIPB	21
MRI Hip Lt	MHIPL	27
MRI Hip Rt	MHIPR	24
MRI Hip with contrast Rt	MHIPRC	≤5
MRI IAM Both	MIAMB	2445
MRI IAM with contrast Both	MIAMBC	142
MRI Renal	MKIDB	71
MRI Renal with contrast Both	MKIDBC	6
MRI Knee Both	MKNEB	≤5
MRI Knee with contrast Both	MKNEBC	≤5
MRI Knee Lt	MKNEL	765
MRI Knee with contrast Lt	MKNELC	≤5
MRI Knee Rt	MKNER	832
MRI Knee with contrast Rt	MKNERC	≤5
MRI Liver and Spleen	MLIVE	90
MRI Liver with contrast	MLIVEC	109
MRI Liver with hepatobiliary contrast	MLIVHC	179
MRI Lower leg Both	MLOLB	10
MRI Lower Leg Lt	MLOLL	26
MRI Lower leg with contrast Lt	MLOLLC	≤5
MRI Lower Leg Rt	MLOLR	28
MRI Lower leg with contrast Rt	MLOLRC	≤5
MRI Spine Lumbar/Sacral	MLSPN	4263
MRI Spine lumbar sacral with contrast	MLSPNC	152
MRI Lower limb Both	MLULB	7
MRCP	MMRCP	1547
MRI Neck	MNECK	64
MRI Neck with contrast	MNECKC	414
MRI Orbit Both	MORBB	214
MRI Orbit with contrast Both	MORBBC	51
MRI Parotid	MPARD	14
MRI Pelvis Gynaecological	MPEGY	290
MRI Pelvis & Hips Both	MPEHB	10
MRI Pelvis	MPELV	582
MRI Pelvis with contrast	MPELVC	13
MRI Penis	MPENS	≤5
MRI Pelvis Prostate	MPEST	1565
MRI Pituitary	MPITF	39
MRI Pituitary with contrast	MPITFC	346
MRI Pelvis Rectum	MRECT	451
MRI Spine sacrum	MSACM	21

Exam Name	Code	Number of Exams Per Year 2017/18 to 2021/22
MRI Spine sacrum with contrast	MSACMC	≤5
MRI Scaphoid Left	MSCAL	296
MRI Scaphoid Right	MSCAR	259
MRI Sterno-Clavicular Joints	MSCJB	≤5
MRI Scapula Both	MSCPB	≤5
MRI Scapula Rt	MSCPBR	≤5
MRI Scrotum	MSCRO	6
MRI Shoulder Both	MSHRB	≤5
MRI Shoulder Lt	MSHRL	127
MRI Shoulder with contrast Lt	MSHRLC	≤5
MRI Shoulder Rt	MSHRR	170
MRI Shoulder with contrast Rt	MSHRRC	≤5
MRI Pelvis SIJ	MSIJB	351
MRI Sinuses	MSINU	12
MRI Sinuses with contrast	MSINUC	11
MRI Head	MSKUH	5550
MRI Head with contrast	MSKUHC	1623
MRI Small bowel study	MSMBO	230
MRI Spine whole	MSPNW	1261
MRI Spine whole with contrast	MSPNWC	108
MRI Sternum	MSTRM	≤5
MRI Femur Both	MTHIB	22
MRI Femur Lt	MTHIL	35
MRI Femur with contrast Lt	MTHILC	≤5
MRI Thoracic inlet & outlet	MTHIN	≤5
MRI Femur Rt	MTHIR	49
MRI Femur with contrast R	MTHIRC	≤5
MRI Thumb Lt	MTHUL	7
MRI Thumb Rt	MTHUR	≤5
MRI Spine thoracolumbar	MTLSP	381
MRI Temporomandibular joint Both	MTMJB	15
MRI Spine Thoracic	MTSPN	451
MRI Spine thoracic with contrast	MTSPNC	50
MRI Upper arm Both	MUPAB	≤5
MRI Upper arm Lt	MUPAL	18
MRI Upper arm with contrast Lt	MUPALC	≤5
MRI Upper arm Rt	MUPAR	18
MRI Upper arm with contrast Rt	MUPARC	≤5
MRI Urogram	MUROG	≤5
MRV Venogram	MVENO	171
MRV Cranial	MVICV	21
MRV Cerebral Veins	MVSKU	≤5
MRV Upper limb Both	MVULB	≤5
MRI Whole Body	MWBOD	≤5
MRI Wrist Both	MWRIB	≤5
MRI Wrist with contrast Both	MWRIBC	≤5
MRI Wrist Lt	MWRIL	152
MRI Wrist with contrast Lt	MWRILC	≤5
MRI Wrist Rt	MWRIR	191
MRI Wrist with contrast Rt	MWRIRC	≤5