

Reference Number: FOI202223/328
From: Commercial
Date: 04 October 2022
Subject: MRI scans and Macrocyclic Gadolinium Contrast Agents

I am writing to you under the Freedom of Information Act 2000 to request the following information from your organisation. Please provide the information for the five financial years ending 2021/22. Please may you provide me with:

- Q1 The number of MRI scans performed for the following, Central Nervous System
- Brain
 - Spine
 - Other Surrounding Tissue
 - Whole Body
 - Head & Neck
 - Thorax, including Breast
 - Abdomen, including Liver & Kidneys
 - Pelvis, including Prostate
 - Musculo-skeletal system
 - Other
 - Cardiac
 - Angiography

A1 [Please see attached document: FOI 328 Response](#)

Q2 The number of MRI scans for the above listed investigations using a macrocyclic gadolinium contrast agent(s)

A2 1310

Q3 The average number of doses of a macrocyclic gadolinium contrast agent(s) per scan

A3 One

Q4 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.

A4 [Information not held – the Trust does not routinely collate or hold this information centrally as part of its management or performance data.](#)

MRI Exams Performed in 2021/22

Exam Name	Total
Cardiac MRI Perfusion Study	7
Cardiac MRI Ventriculogram	12
Diffusion tensor MR brain	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MR Bowel	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRA Aorta Whole	9
MRA Head	220
MRA Neck	17
MRA Renal Visceral	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRCP	11
MRCP with contrast	5
MRI Abdomen	173
MRI Abdomen with contrast	117
MRI Ankle Both	14
MRI Ankle Lt	29
MRI Ankle Rt	48
MRI Ankle with contrast Lt	5
MRI Ankle with contrast Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Brachial Plexus	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Brachial plexus with contrast	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Brain volume	442
MRI Brain volume with contrast	130
MRI Buttock Both	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.

MRI Calcaneus Both	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Calcaneus Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Card morphology Func with contrast	19
MRI Cardiac and hepatic iron load	14
MRI Cardiac Congenital Morphology Study	158
MRI Cardiac Myocardial Viability	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Cardiac Ventricular Volume Study	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Cerebrospinal fluid flow	171
MRI Clavicle Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Clavicle Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Diffusion weighted	147
MRI Elbow Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Elbow Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Elbow with contrast Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Elbow with contrast Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Femur (Thigh) Lt	26
MRI Femur (Thigh) Rt	44
MRI Femur with contrast Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Femur with contrast Rt	21
MRI Fetus Brain	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.

MRI Fingers Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Fingers Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Floor of Mouth	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Foetus	9
MRI Foot Both	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Foot Lt	51
MRI Foot Rt	57
MRI Foot with contrast Both	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Foot with contrast Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Foot with contrast Rt	5
MRI Forearm Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Forearm Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Forearm with contrast Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Functional imaging	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Hand Lt	6
MRI Hand Rt	8
MRI Hand with contrast Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Hand with contrast Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Head	1317
MRI Head Brain Perfusion Study	5
MRI Head spectroscopy	19

MRI Head with contrast	616	
MRI Hip with contrast Both	15	
MRI Hips	102	
MRI IAM with contrast Both	22	
MRI Internal auditory meatus Both	138	
MRI Knee Lt	173	
MRI Knee Rt	168	
MRI Knee with contrast Lt	7	
MRI Knee with contrast Rt	10	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Liver with contrast		
MRI Lower Leg Lt	32	
MRI Lower Leg Rt	47	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Lower leg with contrast Lt		
MRI Lower leg with contrast Rt	13	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Lower Legs		Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Mediastinum		Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Neck	87	
MRI Neck with contrast	34	
MRI Orbit Both	66	
MRI Orbit with contrast Both	5	
MRI Pelvis	88	
MRI Pelvis SIJ	14	
MRI Pelvis SIJ with contrast Both	5	
MRI Pelvis with contrast	88	
MRI Pituitary	111	
MRI Pituitary with contrast	8	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Renal		

MRI Scapula Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Scapula Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Shoulder Lt	15
MRI Shoulder Rt	15
MRI Shoulder with contrast Lt	8
MRI Shoulder with contrast Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Skeletal survey	173
MRI Spectroscopy	11
MRI Spine Cervical	46
MRI Spine cervical with contrast	9
MRI Spine cervicothoracic	7
MRI Spine coccyx	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Spine lumbar sacral with contrast	6
MRI Spine Lumbar Sacral	111
MRI Spine sacrum	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Spine Thoracic	20
MRI Spine thoracic with contrast	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Spine thoracolumbar	29
MRI Spine whole	1201
MRI Spine whole with contrast	258
MRI Temporal lobe	129
MRI TemporoMandibular Joints	14
MRI Thoracic inlet outlet	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Thorax	33
MRI Thorax with contrast	26

MRI TMJ with contrast both	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Upper Arm Lt	9
MRI Upper Arm Rt	6
MRI Upper arm with contrast Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Upper arm with contrast Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Urogram	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Wrist Lt	18
MRI Wrist Rt	15
MRI Wrist with contrast Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRI Wrist with contrast Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRV Cerebral Veins	139
MRV Inferior Vena Cava	8
MRV Lower Limbs	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRV Superior Vena Cava	9
MRV Upper Limb Lt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
MRV Upper Limb Rt	Information exempted under Section 40: Personal data. Providing this information would likely identify individuals involved.
Grand Total	7592

The Trust is unable to respond to all or specific elements of your request where the response would indicate five or less individuals. The Trust is withholding this information under Section 40 (Personal Information) of the Freedom of Information Act (FOIA) 2000 to reduce the risk of any individuals being identified. The Trust is of the view that disclosure of such information would significantly increase the risk of individuals being identified and as such would constitute a breach of their personal data.

The Trust has applied exemption Section 40(2) of the FOIA and is therefore withholding the information as disclosure which may identify an individual would breach their rights under the Data Protection Act 2018. The grounds for application of this exemption include:

- Any data relating to patients or staff is third party data, furthermore health data is classified as sensitive personal data within the Data Protection Act 2018. As such, Section 40 (2) of the FOIA applies along with the Trusts duty of confidentiality. Therefore under s.2 (3) (f) (ii) of the FOIA, there is an absolute exemption from disclosure on the grounds that it would contravene the First Data Protection Principle.
- The Trust has a duty under the Data Protection Act 2018 and specifically the First Data Protection Principle to ensure personal data regarding staff and patients is processed fairly and lawfully. Disclosure of such data which may identify an individual, either through the data alone or other data in conjunction with that data which may identify an individual would therefore breach this principle.
- The Data Protection Act 2018 defines sensitive personal data to include data relating to the “physical or mental health or condition” of a person. Any such information about specific individuals falls within this category and disclosure of such data including statistical data, with any potential likelihood of identification would breach the Data Protection Act 2018.