MRI safety implant policies and where to find them...

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Overview

- MRI implant safety resources
- Background to generic implant safety policy (GISP's)
- GISP's : the view across Scotland
- Benefits of the web based approach
- Limitations and challenges
- Implant policy demo
- Making life easy for yourself
- What to include when contacting us
- What next : the future of GISP's

MRI Implant safety resources

- Other resources
 - Google: device name and instructions for use (IFU)
 - MRIsafety.com
 - FDA GUDID
 - Device vendor websites
 - Device vendor helplines / reps
- Our resources
 - Website: http://www.mriphysics.scot.nhs.uk/
 - Email address: gg-uhb.mrsafetyexpert@nhs.net

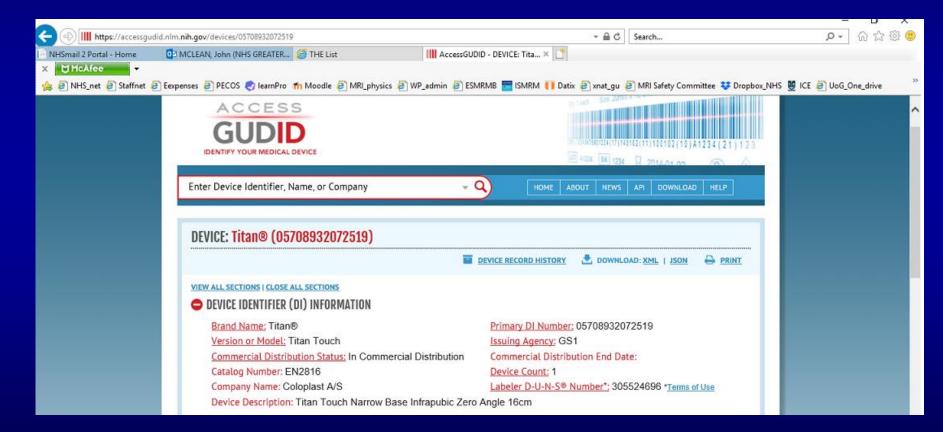
MRIsafety.com

- Search for device if implant name known
- Useful information on categories of implants and policies

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	۹	Arcos Femoral Revision Sy Biomet, www.biomet.com	stem with BoneMaster	Coating	1.5,3	Conditional 8 More	Orthopedic Implants, Materials	s, and Devices More			
	۹	Bio-Modular Shoulder Syste Biomet, www.Biomet.com	em Reverse Conversion	n Option	1.5,3	Conditional 5 More	Orthopedic Implants, Materials	s, and Devices More			

GUDID

• Search GUDID for device name and then look under 'Device Characteristics' for MRI information



Where to find our implant policies?

<u>http://www.mriphysics.scot.nhs.uk/</u>
<u>http://www.mriphysics.scot.nhs.uk/implant-safety-policies/</u>

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Implant Safety Policies	You are here: Home / Implant Safety Policies
What follows are NHS GGC's MRI safety recommendations for certain classes of patient implants	Latest News
Orbital Foreign Body Policy Fixed, internal, orthopaedic implants	NHS GGC : MRI Physics Overview
Heart Valves	
Eye lens implants	
Coronary stents	
Shunts	
Breast Implants	
Aneurysm Clips	
Cardiac Pacemakers and Defibrillators	
Gastric Bands	
Dermal Piercings	
Intrauterine Contraceptive Devices	
Metal Objects and Foreign Bodies	
Non-cardiac stents	
Staples	
Clips	•
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Background to generic implant safety policies (GISP's)

- Creating GISP's is tricky
- When GGC formed, attempted to harmonise and formalise implant safety policies
- Layers of governance were lacking
- If you have 'a policy' it must be written down
- Policy must be communicated and accessible
- Policy must be known

GISP's: The picture across (some of) Scotland

		Yes, we already	Yes, but this	Possibly, but	No, we have a	
		have something	would be new	needs more	different	No, not
		similar.	for us.	work.	policy.	convinced.
1	External Fixation Devices	5	0	0	0	0
2	Heart Valves	5	0	0	0	0
3	Aneurysm Clips	5	0	0	0	0
4	Cardiac Pacemakers and Defibrillators	5	0	0	0	0
5	Metal Objects and Foreign Bodies	5	0	0	0	0
6	Orbital Foreign Body Policy	4	0	0	1	0
7	Coronary stents	4	1	0	0	0
8	Shunts	4	1	0	0	0
9	Gastric Bands	4	1	0	0	0
10	Dermal Piercings	4	1	0	0	0
11	Non-cardiac stents	4	0	1	0	0
12	Staples	4	0	1	0	0
13	Breast Implants	3	1	0	0	0
14	Intrauterine Contraceptive Devices	3	1	0	1	0
15	Clips	2	0	2	1	0
16	Fixed, internal, orthopaedic implants	1	1	2	1	0
17	Eye lens implants	1	4	0	0	0

Benefits of a web based approach for policies

- Information can be found quickly
- Links to supporting information can easily be followed
- A single source of information
- Information available 24/7
- Easy to disseminate
- Easier to manage i.e. only one instance of a policy
- Easier to update
- Less confusing

Limitations / challenges

- Challenge in disseminating information within and among staff groups
- Challenge disseminating information across Health Boards
- Problem ensuring consistency within and across boards
- Obtaining governance approval
- Peoples attitude towards risk can vary
- The policies are not without risk
- The whole process relies on radiographer engagement and feedback

Live demo.... (cross your fingers)

- <u>http://www.mriphysics.scot.nhs.uk/</u>
- Implant policy
- Highlight sections
- Risk assessment

• NB: look out for other information on the website in regard to other aspects of MRI safety, e.g. guidance on scanning during pregnancy

How to make life easy for yourself....

- Bookmark website
- Communicate policies to staff
- Communicate information to Radiologists
- Ask lead Radiologist to cascade
- Provide feedback, other topics? New Info, Report
- Incidents, flag up new implants, ideas for GISP's
- Report incidents on datix but also communicate with us
- What we will do...
- Update website when new information becomes available

What to include if you contact us...

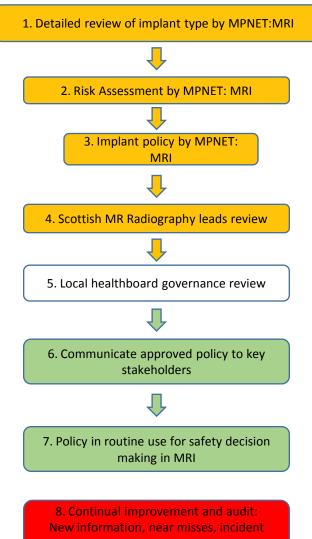
- •If emailing: gg-uhb.mrsafetyexpert@nhs.net
- How urgent is it?
- What is scan for?
- If they have had previous imaging or not:
 - MRI
 - Imaging of implant?
- Any information you have already found out
- Where you found it?

What next....

- Review and make more our GISP more robust
- Add more GISP's for other implant classes
- GISP's on agenda at both Scottish and UK wide
- MPNET: MRI in Scotland aiming to agree on GISP's
- IPEM MR-SIG has a working party on this topic

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Conferences & Events > Forthc	oming Conferences > Event Details		
Forthcoming Conferences	MR Safety Update 2019		
Abstract Submission	14 November 2019 Birmingham		
Exhibitions	Organised by IPEM's Magnetic Resonance Special Interest Group		
Conferences and Courses of Interest	MR Safety is a broad and constantly evolving area. Changes in legi	slation, advancements in	
UKIO	technology and new research findings all result in changes in opinion	and practice with regard to	
IPEM Event Guidelines	MR safety. This meeting will aim to cover a wide range of topics inc legislation, safety management and the safe scanning of implants.		
Meeting Room Hire at Fairmount House	focus on hot topics such as contrast agents, the safe scanning of pa safety accreditation. This meeting provides an important platform for the VID community and will elius attende to accurate the integral	r sharing best practice within	
Eponymous Lectures 🔻	the MR community, and will allow attendees to ensure their local pol practice in MRI safety.	cles renect current best	
Conference Resources			
Previous MPECs			
	Learning outcomes 1. To gain useful information on current safety guidance and its practical implementation. 2. To increase safety expertise through knowledge of experiences and practices within the	VIR community.	,
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Governance framework for MRI generic implant safety policies



reporting and review