Artificial Intelligence Advisory Group (AIAG)

Meeting Summary

Date: Wednesday 20th October 2021 **Time:** 13.30pm – 15.30pm **Venue:** Virtual by Microsoft Teams

In Attendance:

Members: (state names with initials in brackets)	Role	Job Title	Site
Christina Malamateniou (CM)	Chair	Programme Director	City, University of London
Kwun-Ye Chu (KC)	Advisory	Research Radiographer	Oxford University NHS Trust
Claire Currie (CC)	Advisory	Lecturer in Diagnostic Imaging	Glasgow Caledonian University
Christopher Kalinka (CK)	UK Council Member	UK Council Member	Royal Glamorgan Hospital
Paul Matthews (PM)	Advisory	Advanced Practitioner	East Surrey Hospital, Redhill, Surrey
Sonyia McFadden(SMF)	Advisory	Radiographer/Lecturer	University of Ulster
Yasmin McQuinlan (YMQ)	Advisory	Research Radiographer	Guy's & St Thomas Cancer Centre, London
Sarah Peters (SP)	Advisory	Clinical Specialist Inspector (IR(ME)R	Clinical & Environmental Hazards HPA
Clare Rainey (CR)	Advisory	Lecturer	University of Ulster
Nicholas Woznitza (NW)	Advisory	Consultant Radiographer	University College Hospital, London
Observers:			
Tracy O'Regan (TOR)	Professional Officer		Society & College of Radiographers
Rachel Harris (RH)	Professional Officer		Society & College of Radiographers
Valerie Asemah (VA)	Minutes		Society & College of Radiographers
Mark Ayears (MA)	AXREM		AXREM
Brian Ellwood (BE)			AXREM

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Graham King (GK)	AXREM		AXREM

Apologies:

Noorayen Alware (NA)	Advisory	Sonographer	Queen's Hospital, Romford
Christopher Gibson (CG)	Advisory	Student	Canterbury Christchurch University
Avneet Gill (AG)	Advisory	Senior Research Radiographer	Churchill Hospital, Oxford
Rebecca Hawkesford (RH)	Advisory	Radiographer	University Hospital, Coventry
Wendy Town (WT)	Advisory	Radiographer	Darent Valley Hospital, Dartford
Richard Tucker (RT)	Advisory	Diagnostic Radiographer	Queen's Medical Centre, Nottingham

Outstanding Actions:
None as this is the first meeting

Item No.	Description	Owner	Due Date	Status

1. WELCOME AND APOLOGIES

1.1 TOR welcomed everyone to this inaugural meeting and thanked all for taking the time to attend. TOR introduced RH (Head of Professional Matters) who is here to give an induction.

1.2 Apologies for absence received from Noorayen Alware, Andrew England, Christopher Gibson, Avneet Gill, Rebecca Hawkesford, Wendy Town and Richard Tucker.

2.   GROUP INDUCTION

2.1   RH thanked everyone for joining this advisory group and gave them an overview to the Society of Radiographers and outlined how the advisory groups are run and managed. There are 10 advisory groups and about 23 Special interest groups. Also stated the differences between an advisory group and a special interest group (SIGs). To note that advisory groups report to Council whilst SIGs are self-governing but supported by the Society and Officers attend some of the SIG meetings.

2.1.1   RH went on to inform the group that in total there are 10 advisory groups that sit under the Society and report to Council. An officer is allocated to work with each advisory group along with an admin. There are two official meetings a year – one face to face (with the option of joining online), and one virtual. VA. minute these meetings. The group will work with an officer (Tracy in this case) to set up your workplan for the year. The whole group should participate in the workplan but it is good to have someone leading on different pieces of work. Each member should volunteer to work on various pieces of work so that everyone will be involved in the work of the group. Small working parties are often set up to work on various pieces of work and these do not need to be minuted.

2.1.2   RH also informed the group that she might send them consultations that are not to be shared outside the group.

2.1.3   Each advisory group has fifteen members who represent the rest of the membership. RH touch on the various pieces of paperwork – GDPR, representing SCoR and members proforma (these would have been sent out by VA with acceptance letters). RH outlined the role of the Chair and Vice Chair, which is to work to pull the work together and make sure work is staying on track. In addition, to make sure the meeting runs efficiently. The officer and chair usually work together to submit the work plan. It is expected that the Chair usually submit an annual report around the end of September each year; showing what has been achieved and what is outstanding. Chairs are usually in post for two years.

2.1.4   RH informed the group that travel cost are covered by SoR as well as lunch and refreshments.

2.1.5.   RH and TOR let the group know that it is very important that they enjoy working together and we appreciate them being part of the advisory group.

3.   INTRODUCTION

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3.1   Introductions were made for the benefit of all the members including our co-opted group members from AXREM. It was noted that some members here were originally on the AI working party. The Chair welcomed everyone to this first AI meeting. It is hoped that this group can increase the visibility and awareness of AI use in radiography, and interact with the Patient Advisory Group (PAG) the SCoR Research Group.

4.   NEWS:
         TOR informed the group that the AI working party has ended; guidance has been produced and published in the SoR document library and a paper in radiography journal. CM showed the summary of the working party. One of the targets of the working party was to become more visible and increase awareness of AI. To note that following work done with City University, Ulster University and the College of Radiographers there was a UK wide online radiography survey. Thanks given to Claire Rainey for her hard work on this. Following some final edits, this will be shared with the group. This has now been published and the link is https://www.frontiersin.org/articles/10.3389/fdgth.2021.739327/full

4.1   **AXREM, ECR, NHSx, BIR, MAAS**
         TOR thanked the team from AXREM for attending the meeting and agreeing to be co-opted members to the group. An abstract has been submitted for oral presentation of the SoR AI guidance at European Congress of Radiology (ECR), which we are pleased to say has now been accepted. NHSx has set up a working group looking at developing a national image platform to enable development of AI, TOR attending on behalf of the Society, but meetings are currently on hold. TOR attended a recent BIR informatics meeting, which includes elements of AI and will continue to represent SoR. Multi-Agency Advisory Service (MAAS) for AI are developing a new online platform, user testing is taking place to pilot the platform and TOR took part on behalf of SoR.

4.2   **EUSOMII, ESMRMB, ARM**
         As the former Chair of the working party CM has been invited to speak at various conferences and this weekend she will be speaking at a EUSOMII conference on artificial intelligence guidance. Then she has been invited by the Annual Radiology Meeting (ARM) UAE conference. She has also been invited to speak on artificial intelligence and procurement at the ESMRMB in May next year, live on site in London. CM will also be working with the British Standards Institute (BSI) to develop auditable AI standards for healthcare. These are all some ways of interacting externally to show we have a very strong presence and we increase our visibility.

4.3   **DANISH SOCIETY PRESENTATION**

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YMQ gave a presentation on the Danish Society and informed the group that they have reached out and asked if we could proceed on some of the work already done by the working party and very general content around AI. She will be speaking at one of their radiography workshops, mainly on the diagnostic focus and she will liaise with CM to seek some background help. She was further asked if she could also speak at the nearby radiotherapy school to which she agreed. She will be flying out to Denmark to present this in May next year.

4.4 **Presentations and paper dissemination so far / group member local work**
The Chair felt that this comes under the celebrating good work and people should share their achievements. Iberian/Italian conference wants someone to speak on the adoption of AI and the changing workflows, so if anyone is interested in presenting at the conference, they should please let CM know and she would put them in contact with the organiser. CR ran an AI event with the school of computing and available on YouTube https://youtube.com/playlist?list=PL2-fB0_yayJ-mlcHvV-a5d5hsGXfoDnEM She indicated that she is currently working on two papers. Sonyia informed the group that they have a new PhD student starting this month and she is following on from where Claire has left off. CM is also working on AI and patient centred care. CC's PhD is on clinical decision support, which is used for radiology requests and referrals, and she is currently carrying out a systematic review and the results should be available next year. Scottish Radiology Transformation project has convened a working party within the last few months; quite a large group with radiography being a small part. This working party is trying establish the position in Scotland and to work together.

NW agreed to share an abstract of the project. Group can send more good work information to TOR, VA or upload to synapse. It was agreed that this would be a good way to share good news from this group.

ACTION: ALL

5. **CASE STUDIES POSTERS AND SOME PHRASES**

5.1 CM asked the group to collate successful case studies of radiographers carrying out doctoral research, teaching, also working in the AI industry or even on AI innovation roles. She further requested that the group write a short paragraph and add a photo so that this can all go into Synergy News. CM asked the group to let her know if they have any colleagues who are currently working on any projects from all areas of practice. Radiographers working in industry, AI and with professional bodies.

ACTION: ALL

6. **REVISION PLANNING OF AI GUIDANCE (blog for ideas)**

6.1   It was noted that the AI guidance will need to be revised on an annual basis to keep it current as much work is going on so CM asked the group to continue to read literature, think about what we have done so far, reading the news, talking at conference and bring all this knowledge in and the guidance should be current. Revised guidance should be available by next autumn. There will be a more detailed discussion at the next meeting.

7.   AI EDUCATORS FORUM FOR RADIOGRAPHY AND SHARING BEST PRACTICE IN EDUCATION

7.1   Following a discussion it was suggested that there should be an AI education forum for radiography where best practice can be shared. A framework be created and maybe the Society could take this forward and share all the challenges that we face. Many radiographers need to be trained so we need to scale up. This might be the work the next Chair for this group might want to pursue as we do not yet have the numbers of formal Ai courses or the critical mass to form this group but hopefully in a few more years this can materialise.

8.   AI RESEARCH DATABASE FOR PROSPECTIVE SUPERVISORS AND SYNERGIES (UK and IE)

8.1   CM suggested the creation of a research database of different topics on AI, stemming from clinical practice and addressing clinical challenges and a similar database of the areas of expertise and interest of UK and IE radiography and related prospective PhD supervisors. Matching these two databases could facilitate future CORIPS and doctoral fellowship grants to promote AI research in radiography. To follow discussions in the next meeting.

9.   MORE PUBLICATIONS (KEY TOPICS): REGULATION, AI ECOSYSTEM

9.1   There was a discussion on how this group can support and encourage people to pursue more publications such as on regulation, AI ecosystem, integrating AI into workflows and how it all relates to AI equipment adoption.

10. PARTNERSHIP WITH INDUSTRY (AXREM) AND OTHER PROFESSIONAL BODIES (RASE, UAE, DENMARK, SWITZERLAND)

10.1 Following discussion on progressing partnerships with industry it was suggested that the group explore joint working with other EU professional bodies such as AAMD, Danish, UAE and so on. YMQ reported that Denmark and Switzerland are very keen to work on joint projects with other European countries and she agreed to provide TOR with more details. Partnership with industry is good and we might be able to offer internships to radiographers. This is part of training and education. CM to draft a document on internships and TOR and SM to comment. It will then be forwarded for discussion with AXREM.

ACTION: YMQ

11. AWARDS FOR AI ANNUALLY

11.1 CM as the programme director would be happy to offer one AI award and will liaise and discuss further with TOR and the SCoR leadership.

ACTION: CM

12. ARRANGE COMPANY INTERNSHIPS SCHEMES ON AI FOR RADIOGRAPHERS

12.1 There was a discussion around facilitating a meeting to discuss and explore internships on artificial intelligence for radiographers in industry. GK would take these questions back to the AXREM AI focus group.

ACTION: AXREM

13. SoR WEBPAGE

13.1 TOR gave an update to the group on the SoR webpage, indicating that there will be an AI webpage on the website to post any news, updates, and other relevant information on this group, as we need to make sure that AI is visible. TOR asked the group for bios and photos to upload to the advisory group webpage.

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The group queried whether a twitter account is possible and a LinkedIn page. TOR agreed to raise these issues with Jessica Reid (Head of External Relations, Marketing and Communication).

ACTION: TOR

14.   CoRIPS AI Call

14.1   TOR informed the group that at the October CoRIPS round there was a special call for Artificial Intelligence research and one application was received. A second call will be put out in the April 2022 CoRIPS round.

15.   SET WORK PLAN

15.1   There was a discussion on the workplan for 2021-2022.

The group mentioned awards, the website and case studies and felt that short, medium and long-term goals should be set. A structure for the plan was also discussed. TOR impressed upon the group that this is their workplan and the work is to be done by volunteers leading areas, she is happy to provide assistance and guidance.

It was agreed that a working document will be created and uploaded to synapse along with a voting system and once the workplan is approved volunteers will be needed. Once the workplan is done it will be sent to TOR, Rachel Harris and Charlotte Beardmore, who will vet it and send on to the Council for approval.

ACTION: ALL

15.2   BE informed the group that the MRHA has a consultation out and open to various groups, and he wondered if we would view and respond as a group.

ACTION: ALL

16.   ADDITIONAL MEETINGS

16.1   Following a discussion on internships it was suggested that a meeting be set up. TOR agreed to set this up.

ACTION: TOR

17.   AOB

17.1   TOR reminded the group that we need a Vice Chair, so if anyone is interested they should please send their expressions of interest to VA know, as it is important for the continuity of the group to have a Vice Chair to support the Chair.

ACTION: ALL

18.   DATES OF FUTURE MEETINGS

18.1   Dates of future meetings were agreed as:
  • Thursday 12th May 2022 (in person)
  • Thursday 11th November 2022 (virtual)

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New Actions

Item No.	Description	Owner	Due Date	Status
4.4	Presentations and paper dissemination so far/group member local work: Following some updates from members of the group it was agreed that good work should be celebrated and everyone was encouraged to send in their successes and achievements to ToR/VA to be added to the synapse webpage. Members of the group	All	End of 2021	Good news article sent to Synergy News. Member bios all on webpage.
5.1	Case Studies Posters and some Phrases: CM asked the group to collate successful case studies of radiographers carrying gout doctoral research, AI in industry or even AI in innovation so that these can be uploaded to Synergy magazine. Really anything to highlight AI.	All		
8.1	AI Research database for prospective supervisors and synergies (UK and IE) CM suggested the creation of a research database on different topics and related prospective PhD supervisors, and matching these two up could facilitate future CoRIPS and doctoral fellowships grants which in turn could promote AI in research in radiography. CM will update further at the next meeting	CM		
10.1	Partnership with Industry (AXREM): A discussion was held around progressing a partnership with industry; working with other EU professional bodies such as the AAMD, the Danish Society, and so on. YMQ will provide TOR with details of Denmark and Switzerland who are keen to with on joint projects.	YMQ		
11.1	Awards for AI Annually: CM with liaise with TOR in regards to offering a place on an AI award.	CM		
12.1	Arrange Company Internships Schemes on AI for Radiographers: Following a discussion on company internship schemes it was agreed that GK would take this idea back to the AXREM special focus groups for AI.	AXREM	Spring 2022	First meeting held & draft document in process.
13.1	SoR Webpage: TOR updated the group on the AI webpage where any news stories, updates etc. can be posted.	All		

	Following a query on twitter and LinkedIn TOR will liaise with Jess Reid (Marketing Manager) and report to the group. Bios and photos were also requested.				
15.1	Set Workplan: There was a discussion around topics for the group workplan and it was suggested that short, medium and long-term goals be set.				Workplan approved by Executive director professional policy.
15.2	BE mentioned to the group that the MHRA has a consultation open and asked the group is they would view and respond.	All			
16.1	Additional Meetings: Following a discussion around internships, TOR agreed to set a meeting up.	TOR	December 2021	Completed	
17.1	AOB: All expressions of interest for Vice Chair should be sent to VA.	All			

Date of Next Meeting:
- Thursday 12th May 2022 (in person) – this was changed to a virtual meeting now 17th May 2022

Future Meetings:
- Thursday 12th May 2022 (in person) changed to 17th May 2022 as a virtual meeting
- Thursday 17th November 2022 (virtual) – will be an in person meeting