



THE BRITISH INSTITUTE OF RADIOLOGY

The British Institute of Radiology (BIR) is the international membership organisation for everyone working in imaging, radiation oncology and the underlying sciences.

We have approximately 3,000 individual and 36 company members together with thousands of professionals who use BIR services or voluntarily share their expertise by authoring, reviewing and editing our publications, speaking and taking part in events, and participating in management and branch committees or working parties.

Our aims are to:

- Support the work of our members and their colleagues to achieve professional excellence
- Provide continuing professional development for our multidisciplinary community
- Publish cutting edge research for our authors and readers across the world
- Influence and connect with the wider professional sector.

We are a not-for-profit organisation and are governed by and for our members.

Working together to improve **medicine, health** and **patient care** through the science and practice of imaging and radiation oncology.

The front cover shows an X-ray of Alan Shepard's Apollo 14 spacesuit. X-ray enabled NASA to check for small sharp objects embedded in pressure suits that could puncture the suit later on.

Photo by Roland H. Cunningham and Mark Avino, Smithsonian National Air and Space Museum.



CHARTER

With origins dating back to 1897, the BIR is the world's longest standing radiological society. It was granted a Royal Charter in 1958 and became a registered charity in 1963.

PATRON

Her Majesty the Queen.

GOVERNANCE

The Council is the governing body of the Institute. It normally comprises 12 trustees, six of whom—the President, Vice Presidents, Honorary Treasurer and Honorary Secretary—also perform officer roles.

Trustees are normally appointed for three years. Members of Council at 31 March 2019 were:

President

Dr Jane Phillips-Hughes

Vice Presidents

Professor Maryann Hardy
Dr Nicholas Scream
Dr Alexandra Stewart

Honorary Treasurer

Mr Andrew Craig

Honorary Secretary

Dr Sridhar Redla

Trustees

Mr Leighton Chipperfield
Mr Jonathan Cole
Ms Sharon Drake
Mr Peter Harrison
Ms Alwena Hall
Ms Helen Hughes

Mr Andy Rogers, Ms Rebecca Rafiyah-Findlay and
Mr Nick Woznitza retired on 30 September 2018.

New trustees who joined on 1 October 2018
were Ms Alwena Hall and Ms Helen Hughes.

MANAGEMENT TEAM

Chief Executive

Mr Simon Thompson

Head of Education

Dr Sarah Adibi

Head of Publishing and Digital Learning

Miss Sophia Anderton

Head of Communications and Partnerships

Ms Carole Cross

Head of Membership and Systems

Ms Jane Moynihan

Head of Finance and Operations

Mrs Magdalena Howlett

PRINCIPAL ADVISORS

Auditors

Sayer Vincent,
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Bankers

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1 Churchill Place,
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E14 5HP

Investment Managers

Smith & Williamson,
25 Moorgate,
London,
EC2R 6AY

Solicitors

Blake Morgan,
Seacourt Tower,
West Way,
Oxford,
OX2 0FB

Registered office

48–50 St John Street,
London,
EC1M 4DG

INTRODUCTION

2019 has been marked by celebrations of some of mankind's great achievements.

It is the 100th anniversary of the birth of Godfrey Hounsfield, the Nobel Prize winning engineer whose work on CT (set out in his celebrated 1973 *BJR* paper) transformed imaging. That came shortly after the lunar landing in 1969, which reached its 50th anniversary this year.

Both of these developments required an obsessive focus on two things that BIR members spend a lot of time thinking about: innovation and safety. Some of our most powerful minds are concentrated on how we can achieve greater results with minimum risk to the human beings involved.

Over the past year the BIR has maintained its focus on these carefully balanced themes.



We have celebrated innovation through the development of our artificial intelligence (AI) meeting into an annual event, with a bigger two-day event in the calendar for 2020.

We have also begun some exciting international collaborations exploring AI with sister societies around the world, and these will come to full fruition in the coming year.

We have innovated ourselves, with the launch of our new open access journal *BJR|Open* and the launch of our Special Interest Group (SIG) focused on leadership and management. We have begun work on a series of online video based learning courses and an online platform that will enable BIR members to share materials and resources.

Safety is always at the heart of what the BIR does and this year we have built on our involvement in promoting and helping to develop safety standards by supporting 'MRI Safety Week' (in July 2018) and launching a new initiative 'Radiation Safety Week' (in March 2019). These will both now be features of the imaging and oncology calendar and the materials produced by our SIGs have been distributed by partner societies around the world, with work now underway on local translation. Our annual IRMER meeting continues to be one of our most successful events.

Thank you for your interest in the BIR, and I hope you will find this report informative. We have a continually developing programme of events, and there are some exciting innovations still to come over the next year, so please check our website: www.bir.org.uk.

Chief Executive

PRESIDENT'S REPORT

It is a pleasure to present my first annual report as President of the BIR.

It has been a busy and productive year as the BIR continues to develop and evolve, making significant progress in several key areas.

Firstly, membership is growing. This is naturally of prime importance in order for any organisation to thrive. This year has seen 12% growth in fee paying members, with significantly improved retention and in addition we now have 36 corporate members.

Publishing continues to be a central pillar of the BIR, and it is exciting to be able to report that our new journal *BJR|Open* has been launched, *BJR* is now available in 1,422 institutions world-wide and article downloads across our publishing portfolio have risen markedly this year.

The Education team has been very busy putting on numerous successful events and organising a very popular series of webinars.

Delegate satisfaction at events over the past year has been very high with 96.7% of delegates rating them good or excellent.

The meeting on the hot topic of artificial intelligence was so successful it will return with an international faculty for 2020. In addition the BIR Annual Congress in November 2018 was a sell-out, attracting the biggest audience yet.

Early indications are that the 2019 Annual Congress will be bigger and better than ever.

An exciting new venture is underway with the development of an e-learning portfolio. A series of on-line educational videos is being produced. Work is already well underway on the first module, which is on the topic of radiation safety, and this is due to be launched early next year.

I am also very pleased with how well BIR branch and Special Interest Group (SIG) engagement has grown this year, with a very positive meeting of all branch and SIG chairs in May, led by our Honorary Secretary Dr Sri Redla.

In January a new Leadership & Management SIG was launched, and a management stream is planned at this year's Annual Congress. In addition, this year the BIR has developed a new Sharing Platform primarily for those with a management role, in order that resources such as business plans and templates can be shared.



July 2018 saw the introduction of a very popular initiative: MRI Safety week – with advisory leaflets on a different MRI topic released each day for five days. This was followed by a Radiation Safety week in February. Many thanks to the Magnetic Resonance and Radiation Safety SIGs for their excellent work on these important topics.

Meanwhile our World Partner Network which enables us to share information and exchange ideas with our 17 partners, is developing well, enabling news of the BIR and updates on our publications and activities to spread globally.

So, all in all a very busy and a positive year, with much to continue to build upon. My thanks of course go to all of the hardworking BIR staff and to the numerous BIR members from all of the various disciplines who give freely of their time, energy and expertise to support this important multidisciplinary organisation.

J. Phillips-Hughes

BIR President

PUBLISHING

The British
Institute of
Radiology

The multidisciplinary
membership of

Professor Kevin Prise, Editor-in-Chief (scientific) *BJR*
at the *BJR|Open* launch at UKIO 2018

radiation oncology

NEW OPEN ACCESS JOURNAL



Our new gold open access journal *BJR|Open* opened for submissions in 2018 and is becoming well known for publishing original research, review articles, practice and policy papers and opinion pieces on topics spanning the fields of radiology and all related sciences.

The journal is attracting excellent submissions from multi-disciplinary authors from around the world. *BJR|Open* mirrors the broad scope of sister journals *BJR* and *BJR|Case reports*, but what sets this new journal apart is that it offers a wholly open access option to the research community served by the BIR. For authors supported by coAlition S funding bodies, who from 2021 will be required to publish in a fully open access journal, *BJR|Open* is fully compliant. A member of the Committee on Publication Ethics (COPE) *BJR|Open* adheres to COPE guidelines and recommendations to ensure best ethical practice.

Co-Editors-in-Chief Professor Katja Pinker, Professor of Radiology at Memorial Sloan Kettering Cancer Center, New York, USA and Professor Habib Zaidi, Chief Physicist and Head of the PET Instrumentation and Neuroimaging Laboratory at Geneva University Hospital, Geneva, Switzerland, are at the helm of an international Editorial Board. *BJR|Open* operates a rigorous double-blind peer review process that is overseen by its expert Editorial Board and by the end of March 2019 had accepted 22 articles for publication.

Articles submitted for publication incur an Article Processing Charge (APC), with BIR members benefiting from a discounted rate. It is free to submit, with charges only applicable if accepted.

BJR|Open



"...a fantastic home for high quality research, offering authors the opportunity to disseminate their work widely amongst the radiology community."

Professor Habib Zaidi, co-Editor-in-Chief *BJR|Open*

Milestone for *BJR* | *Case reports*

The BIR's international journal dedicated to case reports, case reviews and technical notes, *BJR* | *Case reports*, achieved a vital milestone this year when it was selected for indexing in both **PubMed** and **PubMed Central**. From October 2018 all content was available on both indexing sites.

This is a fantastic achievement and a clear indicator that the content we publish in *BJR* | *Case reports* is of high quality, relevance and importance to the imaging community.

All published content has been retrospectively uploaded and all new content will automatically feature on both sites.



"Hearing our journal had been selected for indexing in PubMed was very good news. This important milestone will most certainly enhance the strength, status and reputation of BJR | Case reports and encourage more colleagues to submit their most interesting cases. I would like to thank our expert editors and reviewers for their hard work."

Professor Giuseppe Guglielmi,
Editor-in-Chief, *BJR* | *Case reports*

Content usage across the journals portfolio grew significantly with a **54% year-on-year increase** in article downloads from March 2018 to March 2019



"It is great to see BIR journals reaching more readers than ever before, confirming their place as must-read journals for the community."

Dr Nick Screaton,
VP Publishing

Rise in availability of journals

Over the last year we have seen a three-fold increase in the number of universities and other institutions who have access to *BJR* and *DMFR*, largely due to a change in our journals' subscriptions sales agent.

Wiley was appointed as our new sales agent following a competitive tender process, with multiple applicants. They began selling *BJR* and *DMFR* subscriptions, as well as archive packages, from 1 January 2019.

BJR and *DMFR* are now available in Wiley's main packages meaning that many more students, clinicians, researchers and authors have access to the journals than ever before.

"The BJR | Open submissions process is easy and the review process prompt and helpful. If required, the BIR staff are happy to provide swift assistance."

David Baldwin, Honorary Professor of Medicine and Consultant Physician, Nottingham City Hospital, UK

I have been extremely pleased with my experience in publishing my research in *BJR*. Throughout the entire process of manuscript submission, review, revision, acceptance, and publication, I have found *BJR* to be efficient, fair, and thoughtful.

PROFESSOR PERRY PICKHARDT
UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH, USA



WORLD PARTNER NETWORK



Left to right: Dr Jane Phillips-Hughes (BIR) and Donna Newman, President of the International Society of Radiographers and Radiographic Technologists

SHARING EDUCATION ACROSS THE GLOBE

Through the 17 societies in the BIR World Partner Network we are connected with over half a million imaging and oncology professionals across the world.



Japan Radiological Society

Top row: Dr Masaaki Hori, Dr Shigeki Aoki, Dr Sadayuki Murayama, Dr Noriyuki Tomiyama, Dr Yutaka Imai, Dr Susumu Karazawa, Dr Yukunori Korogi, Dr Shinji Naganawa

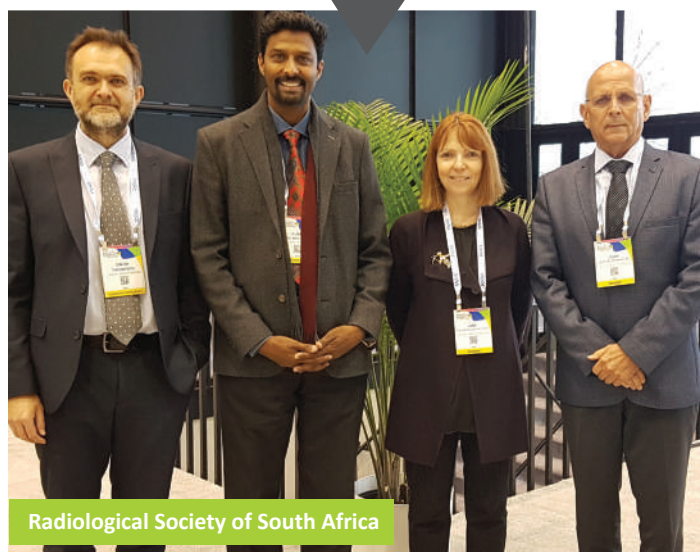
Front row: Professor Hiroshi Honda (JRS), Simon Thompson, Dr Jane Phillips-Hughes, Carole Cross (BIR)

A critical measure of the success of our organisations is going to be our ability to democratise accurate information in medical imaging and digital platforms for disseminating knowledge and learning.

Through the BIR World Partner Network, our members have already enjoyed free access to online journal and scholarly articles as well as webinars. We have found the content relevant and stimulating.

We applaud your efforts and look forward to strengthening our bonds!

Dr Kuben Naidu,
President of the Radiological Society of South Africa



Radiological Society of South Africa

Left to right: Simon Thompson (BIR), Dr Kuben Naidu (Radiological Society of South Africa), Dr Jane Phillips-Hughes (BIR) and Dr Leon van Rensburg (Radiological Society of South Africa)



CHINESE CONGRESS OF RADIOLOGY 2018

We were delighted to be invited by the Chinese Society of Radiology to take part in their Annual Congress in Beijing. This was an opportunity to share knowledge and skills and learn from experts from China and around the world. BIR President Dr Jane Phillips-Hughes gave a talk on 'Pancreatic Islet Cell Transplantation'.

Professor Maryann Hardy, BIR Vice President, Education, gave a talk about radiography education in the UK and Andy Rogers gave a presentation and took part in a discussion on artificial intelligence.

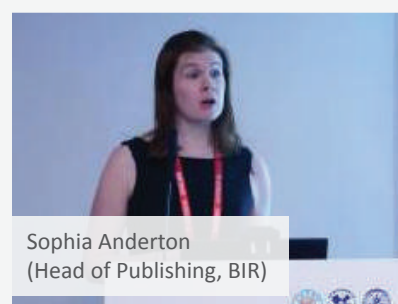
Sophia Anderton, Head of Publishing at the BIR gave a presentation on medical and scientific publishing.



Professor Jin Zhengyu
(President, Chinese Society of
Radiology) with Dr Jane Phillips-
Hughes (President, BIR)



Dr Jane Phillips-Hughes



Sophia Anderton
(Head of Publishing, BIR)



Professor Maryann Hardy
(Vice President Education, BIR)

EDUCATION



"A well-organised course delivered at a good pace and excellent case selection with explanations and delivery of teaching."

'HANDS-ON' EDUCATIONAL WORKSHOPS

Our interactive BIR/DMCRR 'Hands-On' educational workshops have gained a reputation for practical high-level clinical content and every event has been full to capacity.

Clinical course directors are Professor Sujal Desai, Professor of Practice (Thoracic Imaging), NHLI, Imperial College London; Consultant Radiologist, Royal Brompton and Harefield NHS Foundation Trust and Professor Simon Padley, Professor of Practice (Diagnostic and Interventional Radiology), NHLI, Imperial College London; Consultant Radiologist and Clinical Director, Royal Brompton and Harefield NHS Foundation Trust, London. In February 2019, the 'Hands-On' HRCT course was delivered for the first time in Scotland.

Taking HRCT to Europe

We were invited to showcase our HRCT workshop at the European Society of Thoracic Imaging annual conference in Geneva. The BIR was asked to deliver two 'Hands-On' HRCT in diffuse lung diseases workshops in collaboration with DMCRR where Professor Simon Padley and Professor Sujal Desai delivered the workshop supported by Dr Arjun Nair.



'Hands-On' HRCT and Portfolio programme

In 2018, our 'Hands-On' HRCT course was converted into a HRCT portfolio programme so that participants could extend their knowledge and skills to a new level by using a blended learning approach. This included:

- A face-to face 'Hands-On' workshop
- A webinar delivered by the Clinical Course Directors
- Relevant journal articles and overall self-reflection of the above components

Education on your device

This year we produced nine live webinars on a wide range of topics from MR safety to artificial intelligence. All our live webinars are free and open to members and non-members.

There were more than 1,500 registrations to participate in live webinars, with an average of 200 people taking part in each live presentation.

Members can watch the recorded version at their leisure on-demand and frequently more than 1,000 people tune in to each recorded presentation.



"Useful, up-to-date, relevant information. I need to be able to address patients' concerns and it is very helpful for me to be able to access clear, concise information."

This year three BIR Corporate Members participated in the development and delivery of popular webinars:

- Implementation of an automated and integrated QA platform (in association with IEL Ltd)
- The state of the evidence for gadolinium retention in the brain (in association with Guerbet)
- Dose management software in a multi hospital site environment: Outcomes achieved and IRMER compliance (in association with GE)

Online learning library

Our growing online learning library now has more than 145 on-demand webinars and videos, the majority of which are exclusively available to members.

Self-reflection certificates are available which provide a useful tool and record for continuous professional development.

International Day of Radiology 8 November 2018

The International Day of Radiology (IDoR) celebrates radiology and radiation oncology. In 2018, the theme for the International Day of Radiology was cardiac imaging and to mark this we produced a webinar

by Dr Swamy Gedela on *Cardiac MRI—revolutionising the investigation and management of heart disease.*



Dr Swamy Gedela, Consultant Cardio-thoracic Radiologist Cardiac MRI (CMR) Director Essex Cardio-Thoracic Centre

Artificial intelligence: Where we are now

There was a mood of optimism at this rich and informative one-day meeting on artificial intelligence which concluded with a lively debate about privacy of data, regulation, workforce training and the role of clinical trials. Held in collaboration with the Royal College of Radiologists, the programme included clinicians and researchers as well as proffered paper oral presenters.



"Fantastic, innovative and thought provoking. One of the most fascinating conferences I have been to, and hugely relevant for the future of radiology."



EDUCATION



Taking part in the lively question time session

BIR ANNUAL CONGRESS 2018

The BIR Annual Congress has gained a reputation as a comprehensive and informative experience and is attractive to all professions in radiology and radiation oncology.

This year we increased the number of streams to offer a wider range of topics including MSK and trauma imaging, oncology, radiation safety, gastrointestinal, urological and trauma imaging, artificial intelligence, advanced clinical practice and leadership management.



There were nearly **50% more attendees** than last year and a wide range of companies took part in the busy exhibition



MEMBERSHIP

This year the BIR's membership reached its highest ever level with a wide range of professionals joining to take advantage of education, journals and events.

Our membership is drawn from all the professions in imaging and radiation oncology and at all levels from students to experienced consultants.

We have streamlined the joining process, making both joining and renewing a much simpler procedure. And now members can pay monthly by direct debit which helps to spread the cost.

More members are joining in groups, through their company or NHS Trust department.

Groups of five or more enjoy a discounted membership fee and often attend events as a team or share online resources together.



**Membership
has grown by
22% since 2016**



BRANCHES



Members of the BIR North of England Branch

BRANCH EDUCATIONAL EVENTS

Events organised by BIR branches took place in locations around the UK:

Scotland (Glasgow and Edinburgh)

- Neuroradiology: What the general radiologist and senior registrars need to know
- MSK: What the general radiologist and senior registrars need to know

South West (Taunton)

- Trauma imaging

East of England (Cambridge)

- Learning from errors

North Branch (Newcastle)

- Legal and modality aspects of forensic radiology

Wessex (Southampton)

- Oncology imaging

Branch	Chaired by
East of England	Dr Nicholas Screaton, Consultant Cardiothoracic Radiologist, Papworth Hospital, Cambridge
Midlands	Dr Salil Karkhanis, Consultant Radiologist, New Queen Elizabeth Hospital, Birmingham
North of England	Dr Alaa Jaly, Consultant Radiologist, Manchester
Northern Ireland	Ms Denise Crone, Education and Lead Radiographer, Belfast Health and Social Care Trust
Scotland	Dr Khalid Ali, Consultant Musculoskeletal Radiologist Queen Elizabeth University Hospital, Glasgow
South West	Professor Sanjay Gandhi, Consultant Radiologist Frenchay Hospital, Bristol
Wales	Dr Gareth Tudor (temp Chair), Consultant Radiologist, Princess of Wales Hospital, Bridgend
Wessex	Dr Ausami Abbas, Consultant Radiologist, University Hospital Southampton NHS Trust Foundation Trust



Every year our SIG and branch chairs gather to share the highlights of the year and to look at ways to collaborate together

SPECIAL INTEREST GROUPS

Special Interest Groups (SIGs) organise educational events, help determine policy, participate in external committees and working parties, write position papers, and contribute to the BIR's publishing operation.

All members can opt in to the open SIG to register their interest. Or, they can get more involved by joining the management group to organise events and influence good practice.

This year we launched a new SIG on Leadership and Management, Chaired by Dr Elizabeth Loney.

"The new SIG will be a place for everyone interested in leadership and management in imaging and oncology, no matter what their background. It will be inclusive, innovative and insightful. I believe it can become the 'go to' place for information, networking and peer support in its field.

The annual meeting will be a key date in your calendar where you can meet like-minded people and take a moment to consider your personal leadership journey and those you lead. I envisage a peer support network where users can contact one another for advice and mentorship. Leadership can be lonely, we all need someone to talk to and bounce ideas off. I hope that the new SIG will provide a forum for sharing experiences, troubles and success stories."

Dr Elizabeth Loney



SIG	Chaired by
Clinical Imaging	Dr Kannan Rajesparan, Consultant Musculoskeletal Radiologist, University College London Hospital
Clinical Intelligence and Informatics	Dr Vijay Jayaram, Consultant Radiologist, Princess Alexandra Hospital, Harlow
NEW Leadership and Management	Dr Elizabeth Loney, Consultant Radiologist at County Durham Darlington NHS and is Clinical Lead with Cumbria and the North East Imaging Group
Magnetic Resonance	Dr Martin Graves Consultant Clinical Scientist, Head of MR Physics and Radiology IT, Cambridge University Hospitals NHS Trust
Nuclear Medicine and Molecular Imaging	Dr Shaunak Navalkisoor, Consultant Physician in Nuclear Medicine, Royal Free Hospital, London
Oncology and Radiotherapy	Ms Nicola Blackler, Head of Treatment Planning, Derriford Hospital, Plymouth
Radiation Safety	Mr Peter Hiles, Head of Radiation Physics, Glan Clwyd Hospital, North Wales
Young Professionals and Trainees	Dr Jim Zhong, Specialist Registrar in Radiology, Leeds University Hospitals

#NHS70

70
YEARS
OF THE NHS
1948 - 2018

"In 1970, patient outlines were taken using a strip of lead or a flexicurve and planning was done using tracing paper and coloured pencils or biros."

Karen Goldstone MBE, Radiotherapy Physicist

REFLECTIONS ON RADIOLOGY, IMAGING AND RADIOTHERAPY

To mark the 70th anniversary of the NHS, our retired radiographer, radiologist, physicist and oncologist members were invited to share their reflections of the workplace as the NHS developed after 1949.

Not only have there been enormous advances in technology and equipment, there have also been major changes in policies and procedures and members provided us with some wonderful thought provoking stories which also raised a smile or two. You can read the full version of these anecdotes and more on the BIR blog: blog.bir.org.uk/2018/07



"Once when walking past the scanner I saw a porter in a brown overall walking round the machine. Being concerned about security, I spoke to Jamie Ambrose. 'Don't worry about him,' he said, 'That's only Godfrey' [Hounsfield]."

Dr Jim Stevenson, Consultant Radiologist

"In 1983 the world's first whole-body MRI scanner had been relegated to research use and I had my head scanned on it. The 64 x 64 pixel image at least proved I had a brain! I was unfortunate to have been scanned just after a pregnant goat had been in it and the smell was indescribable."

Dr Richard Keal, Radiologist



"Dr B's theatre sessions were an eye-opener. Apart from a certain squeamishness at witnessing surgery for the first time, I found

his implantation technique quite scary since, although a full range of surgical implements and manipulators were at his disposal, he had a habit of giving all the radium needles a push with his fingers."

Professor Roger Dale, Radiobiologist

SAFETY AWARENESS

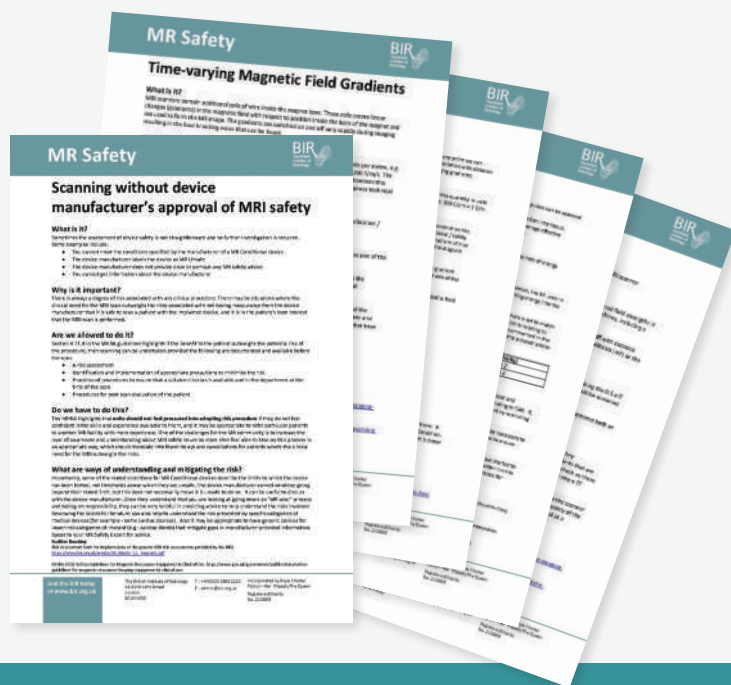
Patient and staff safety is a crucial area of focus for the BIR.

MR Safety Week 23–27 July 2018

To promote best practice and excellence in safety in Magnetic Resonance Imaging, the BIR MR Special Interest Group produced a series of advice sheets throughout this awareness-raising week.

Each day, members received an email with a new advice sheet giving top tips on assessing MR conditions for implanted devices. Topics included SAR and B1+RMS, Static Magnetic Field, Maximum Spatial Gradient, Time-varying Magnetic Field Gradients, Scanning without device manufacturer's approval of MRI safety.

You can download the MR Safety advice sheets at bir.org.uk/mrsafety



MR Safety Week marks the anniversary of the tragic 2001 MRI accident that resulted in the preventable death of Michael Colombini, aged 6, who died when a portable steel oxygen cylinder was brought into the MRI room during his MR scan.

Radiation Safety

Building on the success of the July MR Safety week, the BIR Radiation Safety Special Interest Group developed a series of Radiation Safety advice sheets which were launched at ECR in March 2019.



You can download the radiation safety advice sheets at bir.org.uk/rssafety

Peter Hiles, Chair of the BIR Radiation Safety Special Interest Group at ECR, March 2019



'Little Linac' Project

We are proud to support the Institute of Physics and Engineering in Medicine's 'Little Linac' project which reduced stress and anxiety for children undergoing radiotherapy for cancer in the UK by giving them a free kit of play bricks to make a model linac. The scheme has provided over 100 kits to 16 radiotherapy departments across the UK and nearly 2,000 kits worldwide.

Future of Imaging

We were pleased to be involved in the production of the Future of Imaging publication, with an introduction by our President, launched to celebrate the exponential growth in the world of imaging and the impact this will have on both service providers and patients.



CORPORATE MEMBERS

Corporate members participate in all aspects of the BIR community's life including Special Interest Groups, Council and the various committees.



"As a company we really value our relationship with the BIR because we all have a vested interest in making radiotherapy better jointly through clinical excellence and technological advances and personally I really enjoy my role on the Oncology and Radiotherapy SIG as it gives me the opportunity to contribute to the radiotherapy community, interact with its multidisciplinary professionals and act as liaison with the industry sector."



Phil Neale, Senior Account Manager, IEL Ltd



WHAT OUR MEMBERS SAY



"I joined the BIR over 10 years ago when I was part of the newly formed Young Professional and Trainees Group (YPAT).

As a Consultant, the BIR has provided me access to like-minded peers. As a member of the Clinical Intelligence SIG I have contributed to

important guidance and consultation to help steer the BIR's strategic planning for the future of technology in healthcare. This group has enabled me to engage and collaborate with healthcare specialists across the country for implementation of value-based technology into clinical practice. I have also had the opportunity to organise courses on specialist topics that have contributed to shared learning and professional growth."

Dr Amrita Kumar,
Consultant Radiologist & Breast Specialist,
Frimley Health NHS Trust



"I would highly recommend getting involved in a SIG as the meetings have served as an excellent forum to meet other young trainees from across the UK, who have now all become good friends.

The YPAT SIG is different from groups and committees

at other societies as we have members from all fields, including radiographers, trainee radiologists, physicists, as well as oncologists. It has been an excellent opportunity to get involved with planning and running events as well as meeting senior radiologists in the field."

Dr Sara Zafar, Radiology Trainee
Vice Chair of the YPAT SIG and radiology trainee,
Chelsea and Westminster Hospital



"On the MR SIG we have radiographers, radiologists and representatives from industry and it's the wide range of experience, expertise and ideas that the members bring that makes the SIG a dynamic, productive and sometimes even a fun group.

Apart from free access to BJR and discounts for events, BIR membership offers those all important opportunities to widen your knowledge and horizons and is an excellent way to develop those all important 'soft skills'; communicating, organising, influencing, and networking—you never know who might be on that next interview panel!"

Dr Martin Graves,
Head of MR Physics,
Cambridge University Hospitals



"As a BIR member, I can take advantage of the huge variety of CPD and learning opportunities on offer, whether it be reading journals, listening to podcasts, watching webinars or attending conferences.

I think it is beneficial for radiographers to have the freedom of choice in the format/timing of their education, so it is convenient and fits in with their busy lives."

Rachel Watt,
Lead MRI Superintendent Radiographer
Aberdeen Royal Infirmary

AWARDS & PRIZES

Award	Description	Recipient	What they won it for
Sir Godfrey Hounsfield Memorial Lecture	Established in memory of Sir Godfrey Hounsfield and his pioneering work in computed tomography. The lecture is given at the BIR's annual congress and £1,000 is awarded.	Professor André Dekker	Lecture entitled: "Big Data for better cancer care"
Mayneord Memorial Lecture (sponsored by Canon Medical)	Founded in memory of Professor W V Mayneord CBE FRS, past president and honorary member of the BIR. The lecture is given at UKIO and £1,000 is awarded.	Professor Perry Pickhardt	Lecture entitled: "The natural history of colorectal neoplasia"
Research Award (sponsored by Siemens Healthineers)	In memory of Sir James Mackenzie Davidson, this pump priming award of £1,000 provides initial financial support for research in the fields of radiology, radiotherapy, oncology, radiography or medical physics.	Dr Andrew Nanapragasam	SIGMuND–Stereotactic Image Guided Muscle NeuroDiagnostics: to develop a clinically applicable means of identifying muscle fibres affected by Motor Neurone Disease, to enable the delivery of targeted therapies.
Make it Better Service Award (sponsored by IEL)	Awarded for a development in a radiology or radiotherapy service to make it more effective, or improve patient experience.	Dr Chrissy Zelenyanski & Team (the Jarvis/Surrey and North East Hampshire Breast Screening Service)	For developing a process to support women with learning disabilities to improve screening attendance.



Left to right: Jane Jeffries (Lead Clinical Nurse Specialist, InHealth), Jackie Macklin (Equity and Inclusion Consultant, InHealth), Katie Hougham (Lead Nurse, Surrey and Borders Partnership NHS Foundation Trust), Chrissy Zelenyanski (Head of Screening & Prevention, InHealth) and Phil Neale (Senior Account Manager, IEL Ltd)



Left to right: Andy Rogers (BIR President 2016–18), Professor Perry J Pickhardt and Mark Hitchman (Managing Director, Canon Medical).

Dr Jane Phillips-Hughes with Professor Andre Dekker



Award	Description	Recipient	What they won it for
Barclay Medal	Founded in 1952 in memory of Dr Alfred Ernest Barclay, a medal and £500 is awarded annually to an individual, whether or not a member of the Institute, whose contribution to <i>BJR</i> has been a piece of original research of special merit (medical or scientific), contributing to the science.	Ralph TH Leijenaar, Marta Bogowicz & team	Development and validation of a radiomic signature to predict HPV status from standard CT imaging: a multicenter study.
Early Career Investigator Award (Jusha)	This award of £250 plus a certificate is aimed at encouraging early career workers in the general areas of diagnostic imaging, radiotherapy and related topics to carry out and publish research.	Corinna Storz, Sophia D Heber & team	The role of visceral and subcutaneous adipose tissue measurements and their ratio by magnetic resonance imaging in subjects with prediabetes, diabetes and healthy controls from a general population without cardiovascular disease.
Dr Prafulla Kumar Ganguli Award	Generously funded from a legacy left to the BIR by Dr Ganguli, the award of £250 is made to a <i>BJR</i> <i>Case reports</i> author of the best original case report published in <i>BJR</i> <i>Case reports</i> during the previous calendar year.	Aung Win Tin, John Hardman and Geoffrey Naisby	Two cases of mimics of bone metastasis in breast cancer.

FINANCE

The Institute recorded a net surplus of £33k for the 12 months to 31 March 2019 in comparison to a net deficit of £175k for the 12 months to 31 March 2018.

At an operating level, the Institute recorded a deficit of £112k in comparison to a deficit of £170k in the previous year.

Income for the 12 months to 31 March 2019 was £1.75 million compared to £1.71 million in the 12 months to 31 March 2018. The principal sources of revenue are publishing (£947k), education (£415k), membership (£221k), and dividend income from the investment portfolio (£162k).

Expenditure for the year was £1.86 million for the 12 months to 31 March 2019 compared to £1.88 million for the 12 months to 31 March 2018. The principal areas of expenditure were publishing (£823k), education (£673k) and membership (£337k).

There was an improvement in core operations, resulting in a reduction in the operating deficit. The value of the investment portfolio benefitted from an increase resulting in an overall surplus. This contrasts with the previous year, where the value of the investment portfolio dropped slightly, resulting in an overall deficit.

The Institute net current liabilities include some payables but in majority it consists of income received in advance for next year's activities. This means that the Institute doesn't owe money but it owes delivery of services (journals, membership and events) for the coming months.

The Institute continued to focus on fulfilling its core objectives: providing higher quality education and information to greater numbers of people, whilst at the same time moving closer towards an operating surplus to ensure the Institute is financially sustainable.

Key developments included the launch of the Institute's second open access publication, *BJR|Open*, and the recruitment of a new publishing sales and marketing partner, Wiley, to replace BMJ Group. This was the result of an invitation to tender followed by competitive bids by a number of publishers.

The Institute's flagship educational event, BIR Annual Congress, grew significantly with a 47% increase in delegate numbers and 160% surplus growth. Education revenues rose by 10%, due mainly to better price discipline which brought delegate income up by 14%.

Work began on the BIR Sharing Platform, a new initiative which will enable members to share materials and resources with one another online.

A new Special Interest Group was launched focusing on leadership and management within imaging and oncology. Among other things, this group will oversee a new stream at the BIR Congress and the launch of a major one day leadership event.

The strong improvement in retention achieved in the previous year was maintained, with an overall individual retention rate of 71%, and the number of eligible members paying by Direct Debit grew to 78% in February 2019 compared with 26% the previous February, when online Direct Debit was introduced. This is likely to result in further improvements in retention over the coming year.

The BIR World Partner Network launched in the previous year has progressed well, and a number of international member societies have agreed to collaborate on a special publication, *The Global Future of Imaging*.

Statement of Financial Activities

Year Ended 31 March 2019	2019 £'000	2018 £'000
INCOMING RESOURCES		
Publishing	947	928
Education	415	379
Membership	222	232
Voluntary income	0	0
Other Income	167	171
Total Incoming Resources	1,751	1,710
RESOURCES EXPENDED		
Publishing	817	783
Education	668	751
Membership	334	292
Costs of raising voluntary income	0	0
Governance costs	14	18
Other	6	8
Investment management fees	24	28
Total Resources Expended	1,863	1,880
Net outgoing resources for the year	(112)	(170)
Unrealised gain (loss) on investments	145	(5)
Net movement in funds	33	(175)
Funds brought forward	5,144	5,319
Funds carried forward	5,177	5,144
Balance Sheet as at 31 March 2019	2019 £'000	2018 £'000
Tangible Fixed Assets	129	188
Investments at Market Value	5,248	5,132
Total Fixed Assets	5,377	5,320
Current Assets	1,027	739
Current Liabilities	(1,226)	(915)
Net Assets	5,178	5,144



Trustee's Statement

These summarised accounts contain information from the statement of financial activities and the balance sheet for the year ended 31 March 2019, but are not the full statutory reports and accounts.




The auditors, Sayer Vincent, have issued an unmodified report on the full financial statements and on the consistency of the trustees' annual report with those financial statements, which were approved by the Council on 1 July 2019 and have been submitted to the Charity Commission.

The summarised accounts may not contain sufficient information to allow for a full understanding of the financial affairs of the Institute. For further information, the full statutory report and accounts can be downloaded from the Institute's website at bir.org.uk.

J. Phillips-Hughes

BIR President
Signed on behalf of the trustees



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