

Library Current Awareness Bulletin Radiology – August 2020

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Articles can be accessed from the links provided. An OpenAthens account may be required to access some of the articles. To create your free account please go to
<https://openathens.nice.org.uk/>



News

[My personal experience as a black radiographer in the NHS](#)

The Society of Radiographers

August 2020

[Dawn Chaplin describes her journey from qualifying as a diagnostic radiographer in 1998 to becoming a consultant radiographer and the racism she has encountered during her career.]

[RCR responds to NHS People Plan for 2020/21](#)

The Royal College of Radiologists

July 2020

[“The RCR welcomes the objectives and practical next steps of the People Plan for 2020/21, but has stressed that in order to realise the aims of the NHS England Long Term Plan, the NHS needs more imaging and cancer care staff, as well as more central funding for better equipment, infrastructure and IT.”]

[RCR responds to NHSE diagnostic waiting times figures for June](#)

The Royal College of Radiologists

August 2020

[“The Royal College of Radiologists (RCR) applauds hospital imaging teams working hard to tackle the backlog of scan referrals, but has warned that radiology teams will find it almost impossible to meet NHSE targets for imaging without more sustained investment.”]

[Sonographer experiences of working during the pandemic](#)

The Society of Radiographers

August 2020

[Two obstetric sonographers describe their experiences working during the pandemic when there has been reduced face-to-face contact with women during their pregnancy.]

[Use of portable ultrasound equipment for at home pregnancy scanning](#)

The Society of Radiographers

August 2020

[“In response to a trend for people to carry out ultrasound scans at home, the SCoR and BMUS (British Medical Ultrasound Society) have issued a position statement highlighting that ‘ultrasound equipment should only be used by properly trained professionals.’”]

Guidance/Shared Learning

[IR\(ME\)R: Implications for clinical practice in diagnostic imaging, interventional radiology and diagnostic nuclear medicine](#)

The Royal College of Radiologists

June 2020

[“This guidance seeks to explain how the requirements of the regulations should be interpreted and used in practice. It explains the principles and requirements of IR(ME)R, providing clinical scenarios to enable practical interpretation of the regulations.”]

[The implementation of Site Rite 8 and Sherlock 3CG Tip Confirmation System for PICC placement in the radiology based vascular access service](#)

Gateshead Health NHS Foundation Trust

August 2020

[From the shared learning database. Includes reasons for implementing the project, details of how the project was implemented and key findings and learning points.]

[UK consensus guidelines for the delivery of unexpected news in obstetric ultrasound: The ASCKS framework](#)

Johnson, J. et al

Ultrasound, online first

August 2020

[A group comprising interdisciplinary healthcare professionals, policy experts, representatives from third-sector organisations, lay experts and academic researchers (n = 28) developed consensus guidelines outlining the behaviours and phrases which should be used during scans where unexpected findings are identified.]

COVID-19: Impact on Radiology Services

[A primer for pediatric radiologists on infection control in an era of COVID-19](#)

Miranda-Shaeubinger, M. et al

Pediatric Radiology, vol. 50(9) pp. 1191-1204

August 2020

[The authors review current infection control practices across the multiple paediatric institutions represented on the Society for Pediatric Radiology (SPR) Quality and Safety committee. They discuss the routes of infectious transmission and appropriate transmission-based precautions, and explore strategies to optimise personal protective equipment (PPE) supplies.]

[Bringing radiology to patient's home using mobile equipment: A weapon to fight COVID-19 pandemic](#)

Zanardo, M. et al

Clinical Imaging, vol. 68 pp. 99-101

June 2020

[The authors consider how the use of mobile x-ray equipment could represent a safe approach to reducing hospital admission of patients with suspected or confirmed COVID-19 infection.]

[Diagnostic and interventional radiology case volume and education in the age of pandemics: impact analysis and potential future directions](#)

Gabr, A.M. et al

Academic Radiology

July 2020

[Diagnostic Radiology (DR) studies and Interventional Radiology (IR) procedures at a single tertiary-care teaching institution between 2015 and 2020 were reviewed to assess changes in caseload and case variety during the COVID-19 pandemic. Changes to educational activities were also assessed. Prediction models for IR case volume are reviewed.]

[Factors influencing anxiety of health care workers in the radiology department with high exposure risk to COVID-19](#)

Huang, L. et al

Medical Science Monitor: international medical journal of experimental and clinical research, vol. 26

July 2020

[The Self-Rating Anxiety Scale and Connor-Davidson Resilience Scale were used to determine anxiety levels and the resilience of health care workers with high exposure risk in the radiology departments of 32 public hospitals in Sichuan Province, China.]

[Impact of the Coronavirus Disease 2019 \(COVID-19\) pandemic on imaging case volumes](#)

Naidich, J. et al

Journal of the American College of Radiology, vol. 17(7) pp. 865-872

July 2020

[The purpose of this study was to quantify the imaging volumes during the COVID-19 pandemic across patient service locations and imaging modality types. Imaging case volumes in a large health care system were retrospectively studied and the data set was split to compare pre-COVID-19 (weeks 1-9) and post-COVID-19 (weeks 10-16) periods.]

[Management of patients with suspected or confirmed COVID-19 in the radiology department](#)

Zanardo, M. et al

Radiography, vol. 26(3) pp. 264-268

August 2020

[This technical note is based on the authors' first-hand experience from Italy and also draws on COVID-19 publications and reports. It considers radiology service requirements, patient case definitions, protection levels for healthcare staff and CT imaging technique.]

[Preparation of a radiology department in an Italian hospital dedicated to COVID-19 patients](#)

Ierardi, A.M. et al

La Radiologia Medica, vol. 125(9) pp. 894-901

September 2020

[This article describes the new concept of the "Pandemic Radiology Unit" along with the logistics, planning, and practical design issues involved.]

[Reconfiguring the radiology leadership team for crisis management during the COVID-19 pandemic in a large tertiary hospital in Singapore](#)

Tay, K.H. et al

European Radiology

July 2020

[This article describes how a radiology leadership team, at a 1773-bed tertiary hospital in Singapore, was reconfigured into a smaller disease outbreak task force (DOTF) to respond to and coordinate efforts during the COVID-19 pandemic.]

[Variables influencing radiology volume recovery during the next phase of the Coronavirus Disease 2019 \(COVID-19\) Pandemic](#)

Journal of the American College of Radiology, vol. 17(7) pp. 855-864

Madhuripan, N. et al

July 2020

[The authors hypothesise that there are six major variables that will likely predict radiology volumes: (1) severity of disease in the local region, including potential subsequent “waves” of infection; (2) lifting of government social distancing restrictions; (3) patient concern regarding risk of leaving home and entering imaging facilities; (4) management of pent-up demand for imaging delayed during the acute phase of the pandemic, including institutional capacity; (5) impact of the economic downturn on health insurance and ability to pay for imaging; and (6) radiology practice profile reflecting amount of elective imaging performed, including type of patients seen by the radiology practice such as emergency, inpatient, outpatient mix and subspecialty types.]

Diagnostic Radiology

[COVID-19 in the radiology department: what radiographers need to know](#)

Stogiannos, N. et al

Radiography, vol. 26(3) pp. 254-263

August 2020

[This narrative review provides an overview of current literature related to the diagnosis, management, and follow-up of suspected and confirmed Covid-19 cases.]

[Performance of radiologists in differentiating COVID-19 from non-COVID-19 viral pneumonia at chest CT](#)

Bai, H.X. et al

Radiology, vol. 296(2)

August 2020

[The aim of this study was to assess the performance of radiologists in the United States and China in differentiating COVID-19 from viral pneumonia at chest CT. Three radiologists from China reviewed 219 chest CT scans from seven Chinese hospitals and 205 chest CT scans from Rhode Island Hospital (US) to differentiate COVID-19 from viral pneumonia. A sample of 58 age-matched patients was randomly selected and evaluated by four radiologists from the United States in a similar fashion. Different CT features were recorded and compared between the two groups.]

[Restricting daily chest radiography in the intensive care unit: implementing evidence-based medicine to decrease utilization](#)

Scott, J. et al

Journal of the American College of Radiology

July 2020

[This article describes how a multidisciplinary team, comprising representatives from radiology, surgery, internal medicine, and nursing, sought to decrease the utilisation of routine chest radiography in adult intensive care units. The time-driven activity-based costing processes used to demonstrate cost savings are explained.]

Education and Training

[Maintenance of certification for radiologists: an overview of European countries](#)

Kwee, R.M. and Kwee, T.C.

Insights into Imaging, vol. 11(1)

July 2020

[This study aimed to determine the maintenance of certification requirements for radiologists in different European countries. Twenty-two of 36 responding countries (59%) reported mandatory requirements to maintain a radiologist's license to practise. The median license period was 5 years (range 1–7). The median required number of CME points per year was 40 (range 8–58, interquartile range 30). Eight countries reported additional requirements, including practising clinical radiology, attending quality meeting/clinical audit, and attending additional courses (such as radiation safety training and advanced medical training course). 15 of 37 responding countries (41%) did not report mandatory requirements.]

Interventional Radiology

Could interventional radiological therapies offer a safer alternative as we emerge from COVID-19 pandemic?

Roy-Choudhury, S.H. and Warawdekar, G.

Journal of Clinical Interventional Radiology

July 2020

[In this brief communication, the authors outline the current opinion on surgical risks and guidelines and suggest areas where interventional therapies may offer an advantage to the multidisciplinary team and patient.]

Response of UK interventional radiologists to the COVID-19 pandemic – survey findings

Rostampour, S. et al

CVIR Endovascular, vol.3(1)

June 2020

[Members of BSIR were surveyed to obtain a snapshot of the experiences of UK interventional radiologists in response to COVID-19. A survey was distributed to BSIR members by email on 18th April 2020 and a total of 228 responses were received. Two thirds of respondents work in a Tertiary unit and 33% deliver IR in a District Hospital. 84% have a day-case facility. After the COVID-19 crisis, 81% of respondents were able to maintain a 24–7 on-call service. 59% of respondents had been required change their day to day practice to allow the on-call service to continue. 55% of respondents were involved in providing a central line service. Of those questioned, 91% continued to offer endovascular services, 98% genitourinary and 92% hepatobiliary services, although a degree of service reduction was described. 38% have provided IR trainees with additional training material.]

Transitioning the IR clinic to telehealth: A single-center experience during the COVID-19 pandemic

Bulman, J.C. et al

Journal of Vascular and Interventional Radiology, vol. 31(8)

August 2020

[“Telehealth has not previously been widely implemented as a result of regulatory and reimbursement concerns; however, in the current national emergency of the COVID-19 pandemic, the Centers for Medicare and Medicaid Services has relaxed many of its rules, allowing increased adoption of telehealth services, improving the safety and access of outpatient health care. A complete understanding of the regulatory requirements, technologic options, and billing processes of telehealth is required to initiate a successful clinic. A model is presented here based on a single institution’s experience with implementing telehealth in the outpatient interventional radiology clinic.”]

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