BY FLORIAN DEMUTH

ESR concept paper on value-based radiology

ESR Value-Based Imaging Working Group (VBI WG), led by its chair and current ESR 1st Vice-President Prof. Lorenzo Derchi, the paper sets out the society's position on value-based trends in healthcare in general, and radiology in particular.

The VBI WG was established in August 2016 and tasked by the ESR's Board of Directors with leading the ESR's response to trends within healthcare that increasingly emphasise value-based aspects in relation to quality of care, patient safety and reimbursement systems. Within radiology, the issue of volume-based vs. value-based practice has been debated for a number of years and, with this paper, the ESR is making an important contribution to this discussion.

The ESR sees value-based radiology as an emerging paradigm that complements and enhances its existing approach to quality and safety, while focusing on what actually matters most to professionals, patients and payers. The central

demonstrate this impact?

paper on value-based radiology on are: What has the greatest impact? healthcare professionals' perfor-August 30, 2017. Prepared by the and How do we develop metrics to mance. What has been lacking so far is the inclusion of the diagnos- gist's diagnosis as an outcome, the Radiology (ACR), the Canadian Value-based healthcare concepts tic process, which constitutes the paper goes on to illustrate radiolfocus on 'outcomes' as the corner- integral first part of any care cycle. stone for evaluating healthcare The ESR argues that the diagno-

> **Professional Issues and Economics** in Radiology (PIER) Sessions

Friday, March 2, 16:00–17:30, Room M 2 PIER 3 Value-based radiology

Moderators: P. Mildenberger; Mainz/DE

- G. McGinty; New York, NY/US
- » Basic concepts of value-based radiology: U.S. perspective J.A. Brink; Boston, MA/US
- » Basic concepts of value-based radiology: European perspective
- » New metrics are required for value-based radiology G. McGinty; New York, NY/US
- » Panel discussion: A European-U.S. debate on the value
- of 'value-based radiology'
- J.A. Brink; Boston, MA/US
- L. Donoso; Barcelona/ES
- G. McGinty; New York, NY/US L.E. Derchi: Genoa/IT
- E.J. Adam; London/UK

The ESR published a concept questions of value-based radiology processes, cost-effectiveness and sis should be recognised as the

Having established a radioloogy's multifaceted value, and to introduce a number of metrics that can be developed based on ogy (IS3R) are in discussions to

radiology is just starting and the within the wider value-based ESR hopes that radiologists in healthcare concept. Europe will actively engage in this debate to keep our profession at the forefront of healthcare in the

21st century. The ESR, the Radiological Society of North America (RSNA), the American College of Association of Radiologists (CAR), and the International Society for Strategic Studies in Radioldraft a joint paper which will The discussion on value-based position value-based radiology

ECR TODAY | FRIDAY, MARCH 2, 2018

Coffee & Talk Session

Saturday, March 3, 14:00–15:00, Coffee & Talk C 9 From volume-based to value-based radiology

- » Chairperson's introduction
- L.E. Derchi; Genoa/IT
- » What is 'value' in radiology and how can it be measured? A. Brady; Cork/IE
- » What really matters to patients
- » What is value from an industry perspective?
- N. Denjoy; Brussels/BE
- » Open forum discussion

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BY BARRY KELLY, JANE ADAM, ADRIAN BRADY

The European Society of Radiology's clinical audit tool

Audit simply means comparing an element of clinical practice against an agreed upon standard. In radiological practice this might mean what we do, how we do it, what equipment we use, or how we interact with our patients, our colleagues and our environment. Therefore, the question we answer by conducting audit is: are we safe?

ening, and Easy (ALPINE).

Audit uses specific methodology in which a given performance is and educational perspectives. It as patient safety, internal processes compared with a preselected stand- cooperates with institutions includ- and general radiation protection ard. If the standard is not achieved, the reasons for this are explored, change is implemented and a re-au- Radiation Competent Authorities clinical audit tool clearly different dit is carried out to ensure improve- (HERCA) to ensure that clinical from and more valuable than many ment. This methodology is often audit is applied properly to improve other certification initiatives in described as the audit cycle.

(BSS) Directive (Council Directive perspective regarding audit. 2013/59/EURATOM) must be transposed into national law by February European radiology practice in several areas, including documented that clinical audit will be mandatory (article 58 (e)).

lished Guidelines for Clinical Audit could be considered the basis for 'EuroSafe Imaging Call for Action'. internal clinical audit. Although there will be variation in how the to increase awareness of clinical requirements for clinical audit will audit among radiologists and to ity with a significant annual output offer safe, well-documented care. of departmental audit data.

Internal clinical audit should be departments were invited to particin conjunction with **external clin**ipate in the pilot. Each participating Subcommittee believe that this audit ical audit (which may be required department was asked to complete tool will encourage a culture of reguby national legislation) whereby an five key audits that were consid- lar self-audit and self-improvement. external auditing body or auditors ered key by the Audit and Stand- Audit in general, and the pilot visit departments every five years. ards Subcommittee. Prof. Peter project in particular, will be dis-Regardless of the national variation Mildenberger from the University cussed in greater detail in the Cofwithin the new legal framework, Medical Center Mainz in Germany, fee & Talk Room on the 1st level internal clinical audit will help depart- a pilot participant, highlighted the today at 12:00, and at the ESR Audit

myESR.org

Practical, Inexpensive, Non-threat- monitor their own practice and to be tool in general. well prepared for any external audit.

The ESR has both professional on clinically relevant topics such ing the European Commission aspects is of particular interest and and the Heads of the European significance. This makes the ESR quality of patient care in Europe, healthcare," Mildenberger said. The EU Basic Safety Standards and is in line with the regulators'

iability, the ESR Audit and Stand- mer and autumn of 2017. ards Subcommittee together with

This project was designed, firstly,

Audit should be Achievable, Local, ments to comply with legislation, to relevance of topics and the audit Session in Room M 1 on Saturday, "For us as radiologists, the focus

invited to comment on the template Radiologists' experience of clinitself in particular and the ease of ical audit across Europe, however, the process in general. This pilot 2018. This has major implications for is variable. In response to this var- study took place during the sum-

justification processes for radiation EuroSafe Imaging undertook a that the process was considered exposure and dose optimisation. In pilot project in 2017. Concentrating non-time consuming and straightaddition, it requires that 'clinical on the key areas of radiation pro- forward and that the templates audits are carried out in accordance tection and patient safety, 17 key themselves were lucid and easy to with national procedures', meaning audit topics were described and use. Dr. Laura Oleaga from the Hossuggested versions of completed pital Clínic Barcelona, Spain, who templates were produced for each participated in the pilot put it in a The European Commission pub-topic. The ESR Audit and Standards nutshell: "The audit tool proposed Subcommittee and EuroSafe Imag- by the ESR is easily completed. It in 2009, and these were summarised ing are promoting the audit initia- can be utilised to enhance the status in a statement from the ESR in 2011. tive, which also supports the imple- of your department and can help These guidelines and the statement mentation of action no 2 of the to measure the practice's standards and improve patient's care and outcome. It serves as a quality maintenance policy of the department."

Subsequently it has been agreed be implemented across Europe, an help them make it part of their routhat the 17 templates and topics will be internal assessment within units tine departmental work. In addi- made available to all radiology departor departments that uses standard tion, participation in the project ments in European Union member audit methodology is recommended can help demonstrate to external states, along with the explanatory as a systematic and continuing activ- bodies that radiology departments booklet (Esperanto) which takes the reader step-by-step through the pro-Five-star EuroSafe Imaging cess of completing any clinical audit.

We in the ESR Audit and Standards

interest in audit and standards in radiology, and is former chair of both the Royal College of Radiologists Audit and Standards committees, and the ESR Quality, Safety and Standards Committee. Dr. Adrian Brady is a Consultant Radiologist in The Mercy

a former Dean of the Faculty of Radiologists, Royal College of Surgeons in Ireland, and Chair of the ESR Quality, Safety & Standards Committee Dr. Barry Kelly is the Chairman of the ESR Audit and Standards Subcommittee. He is a cross-

sectional radiologist with a special interest in trauma imaging and imaging of the ICU patient.

Coffee & Talk Session

Friday, March 2, 12:00–12:45, Coffee & Talk C 6 ESR audit pilot project

- » Chairperson's introduction
- E.J. Adam; London/UK
- » ESR audit pack B.E. Kelly; Belfast/UK
- » Pilot project among EuroSafe Imaging Stars
- L. Bonomo; Rome/IT
- » Open forum discussion

ESR Audit and Standards Session

Saturday, March 3, 16:00–17:30, Room M 1 Audit across Europe: directive and perspective

- » Chairpersons' introduction
- A. Brady; Cork/IE
- D.C. Howlett; Eastbourne/UK
- » The Esperanto Audit Project: results from the pilot project and roll out
- » Engaging in the pilot: The EuroSafe Imaging Star perspective
- » Quality improvement and change management: audit in industry S. Lee; Guildford/UK
- » HERCA and audit: inspection vs clinical audit. What's the difference?
- S. Ebdon-Jackson; Didcot/UK » Panel discussion: Does audit make the patient journey safer?
- These sessions are part of the EuroSafe Imaging campaign

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