

QuADRANT

Status of clinical audit in the EU 27 + 4 Overview of good practices

Adrian Brady

Cork, Ireland

QuADRANT Project Co-Leader

ESR 1st. Vice President





Main Survey Q. 2.5

- 2.5 We would be grateful if details could be provided on the following (please include any relevant links):
- Any clinical audit/guidance directives recently published by your national society/other professional bodies/societies, or by relevant national auditing, accreditation/certification, or governmental agencies.
- Any national clinical audits recently presented or published, with emphasis on reaudit and any changes implemented as a result of audit findings.
- Please also include any further comments you would like to add.

Good practice

 Main survey responses obtained from all 27 EU members + Iceland, Norway, Switzerland & UK

Belgium

- First (WP2) workshop
 - B-QUAADRIL handbook for radiology (Nils Reynders-Frederix)
 - Since Sept. 2019, clinical audits mandatory for all depts. using X-rays
 - Self assessment
 - Internal clinical audit (auditors from other depts. within hospital)
 - External clinical audit (auditors from other institutions)
 - Nuclear medicine (M. Vandercapelle)
 - B-QUANUM manual
 - Self-assessment & internal audit going well
 - External audits not yet started
 - Radiotherapy (A. Vaandering)
 - B-QUATRO
 - All 25 depts, now on rolling audit cycle, audits by trained pool of auditors
 - BELMIP = multidisciplinary & multi-professional collaboration.

Belgium

> Radiother Oncol. 2020 Mar;144:218-223. doi: 10.1016/j.radonc.2020.01.012. Epub 2020 Feb 7.

Feasibility and impact of national peer reviewed clinical audits in radiotherapy departments

Aude Vaandering ¹, Yolande Lievens ², Pierre Scalliet ³, Belgian College for Physicians in Radiation Oncology



Croatia

Insight into imaging of children in Croatia - first results

Congress: EuroSafe Imaging 2020

Poster Number: ESI-07747

- Imaging of children often in adult facilities
- Greater attention needed to
 - Child-friendly environment
 - Justification
 - Appropriate protocols
 - Paediatric DRLs

Estonia



Finland

Review of legislative basis and history of clinical audit in radiotherapy, diagnostic radiology & nuclear medicine units

- All radiological practices externally audited at least once every 5 years
 - Different priorities each cycle
 - Each dept. now audited several times
- Stakeholders established organization in 2001 to develop & provide necessary audit services
- Financial support from Ministry of Social Affairs & Health and Association of Finnish Local and Regional Authorities
- National Steering Committee
- Audits 0.5 4 days (typically 1-2)
- Total cost for single audit day (2 auditors) approx. €2500
- Criteria derived from legislative requirements & existing recommendations for good clinical practice
- Average 4 7 recommendations to improve practice issued per healthcare unit



Volume 9 - Issue 4, 2009 - Cover Story: Clinical Audit in the European Union

Implementing External Clinical Audits in Radiological Practices: The Experience in Finland

Author

Prof. Seppo

Soimakallio

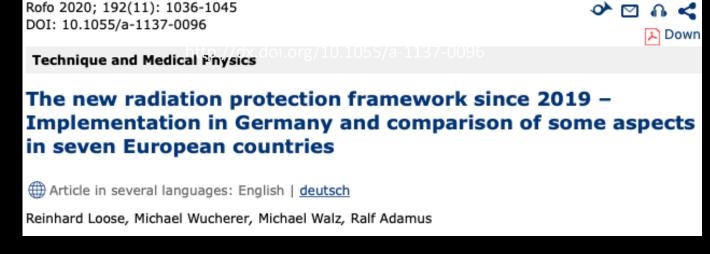


Kliinisen auditoinnin asiantuntijaryhmä Finnish advisory committee for clinical audit

Germany

Review of legislative changes arising from implementation of EU-BSS into German law Review of changes in radiation protection requirements and dose limits





Ireland

- 2011 Requirements for Clinical Audit
- 2013 (revised 2017) Practical guide to Clinical Audit



resources to health service provider protected time for clinical audit, data software, and training. "

"The HSE should assign appropriate organisations to enable clinical audit, including a local clinical audit function, analysis support, clinical audit templates,

> https://www.radiology.ie/images/uploads/2012/01/Requirements-for-Clinical-Audit-in-Radiology-Jan-2011.pdf

https://www.phecit.ie/Images/PHECC/Clinical%20Practice%20Guidelines/CPG%2 OApproved%20Orgs/STN019%20Practical%20Guide%20to%20Clinical%20Audit.p

https://www.hse.ie/eng/services/publications/national-review-of-clinical-auditreport-2019.pdf





Requirements for Clinical Audit in Medical

Radiological Practices (Diagnostic Radiology, Radiotherapy and Nuclear Medicine)

Health Service Executive

Faculty of Radiologists



Faculty of Radiologists

A Practical Guide to Clinical Audit





Luxembourg

- First (WP2) workshop A. Karoussou-Schreiner
 - Medial Imaging Technical Group all stakeholders
 - Implementation of new legislation on radiation protection
 - Internal audits once/year
 - External audit information provided to Ministry of Health

Luxembourg

Bouëtté et al. Insights into Imaging (2019) 10:54 https://doi.org/10.1186/s13244-019-0731-9 Insights into Imaging

ORIGINAL ARTICLE

Open Access

National audit on the appropriateness of CT and MRI examinations in Luxembourg



Aurélien Bouëtté^{1*}, Alexandra Karoussou-Schreiner¹, Hubert Ducou Le Pointe², Martijn Grieten³, Eric de Kerviler⁴, Léon Rausin⁵, Jean-Christophe Bouëtté⁶ and Patrick Majerus¹

- All radiology depts. in Luxembourg
- Key findings
 - 39% of CT requests and 21% of MRI requests inappropriate
 - GP requests less appropriate than those from specialists
 - Spinal CT requests lowest level of appropriateness
 - CT request appropriateness higher for children than adults
 - CT appropriateness higher if dept. also had MRI unit

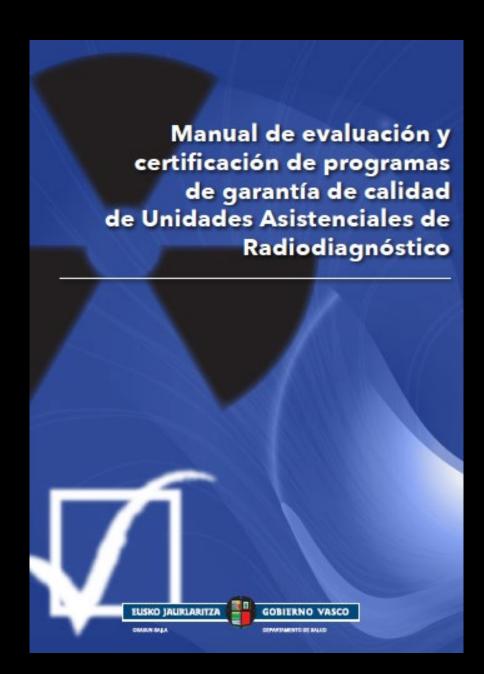
Norway

- First (WP2) workshop I. B. Heikkilä
 - National Radiotherapy QA programme since 2000, incl. clinical audits
 - Funded by national budget
 - Dedicated time made available
 - External peer-review site-visit audits (9 sites, local and national reports)

Slovakia

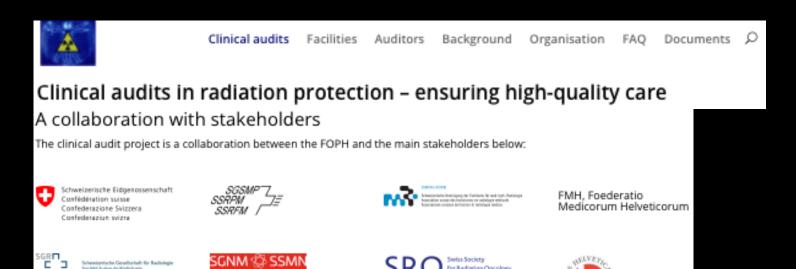
- First (WP2) workshop M Horvathova and D Nikodemova
 - 2018 audit of screening mammography units defined standards and identified centres meeting them, to qualify for mammography screening network
 - Based on this, Ministry of Health has established permanent working group to tke responsibility for national clinical audit

Spain



Switzerland

- First (WP2) workshop Carine Galli Marxer
 - Process began 2008
 - Third-party audit every 5 years
 - Self evaluation once per year
 - Mandatory audits scheduled to begin 2020/01, postponed by 1 year due to COVID



www.clinicalaudits.ch

UK

- First (WP2) workshop R. Greenhalgh & D. Keenan
 - Healthcare Quality Improvement Partnership (HQIP) = independent national organization that manages a national clinical audit programme
 - Manages > 30 national audits for NHS England
 - Local hospitals receive benchmarked reports of compliance and performance
 - National Quality Improvement and Clinical Audit Network (NQICAN)
 - 15 regional clinical audit networks in England
 - Practical guidance & assistance in implementing national audits
 - RCR Clinical Radiology Audit & Quality Improvement Committee (CRAQIC) dedicated to development and support of national clinical audit of radiological practices & procedures
 - Provides open-access audit templates & examples Auditlive
 - Supports local audit through local audit leads & online resources
 - Supports national audits with other Colleges & Societies
 - Aim for up to 4 national audits/year
 - Osteoporotic fragility fractures on CT (collaboration with Royal Osteoporosis Society) new guidelines published, for re-audit
 - Imaging provision in severely injured patients
 - Radiology practice in cancer multidisciplinary teams (MDTs)
 - Annual Audit Forum local & national audits presented
 - Network of >200 Clinical Audit leads in all UK departments

UK

Best practice in clinical audit

- Healthcare Quality Improvement Partnership (HQIP) UK (2020) Best Practice in Clinical Audit
- National Institute for Clinical Excellence, NICE, UK.2021. Audit and Service Improvement, Into Practice.
- The Royal College of Radiologists, UK. Auditlive. Templates



https://www.hqip.org.uk/resource/best-practice-in-clinical-audit/ https://www.nice.org.uk/about/what-we-do/into-practice/audit-and-service-improvement http://www.rcr.ac.uk/clinicalradiology/audit-and-qi/auditlive



UK



Contents lists available at ScienceDirect

Clinical Radiology

journal homepage: www.clinicalradiologyonline.net



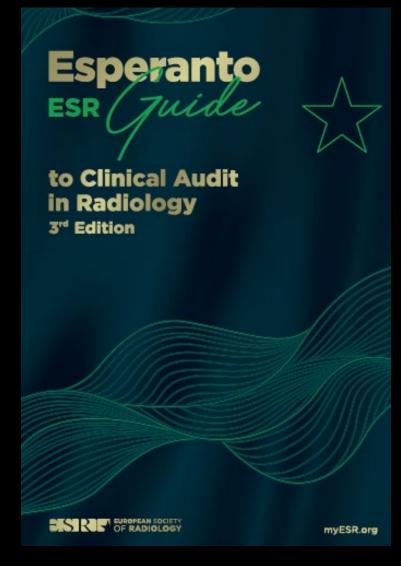
The accuracy of interpretation of emergency abdominal CT in adult patients who present with non-traumatic abdominal pain: results of a UK national audit



D.C. Howlett^a, K. Drinkwater^{b,*}, C. Frost^c, A. Higginson^d, C. Ball^d, G. Maskell^e

- 4931 patients
- Major discrepancies
 - Trainees 4.6%
 - On-site Consultants 3.1%
 - Consultant addendum2.9%
 - Off-site reporters 8.7%
 (12.7% in surgical patients)

European society of radiology (ESR)



	CONTENTS	
1)	Esperanto - Purpose and Scope	3
2)	Clinical Audit and Clinical Governance – an Introduction	3
3)	Clinical Audit - the ESR and the European Legal Perspective	_4
4)	What is Clinical Audit?	5
5)	Clinical Audit - Importance and Scope	6
6)	The Audit Cycle - Methodology	6
7)	Clinical Audit vs Research	7
8)	Undertaking a Clinical Audit	8
9)	Internal vs. External Clinical Audit, Regulatory Audit and the Relationship with Inspection	9
10)	QuADRANT - A European Initiative With An Emphasis On Clinical Audit	_11
11)	The ESR Clinical Audit Tool	.12
12)	Summary	_13
13)	References	_13
14)	Acknowledgements	.14
15)	Appendices	.14
	Appendices	
	Appendix 1, Draft Blank Template	
	Appendix 2, Clinical Audit Topics (Relating to Clinical Practice, to Clinical Audit in Support of BSSD Compliance and also Incorporating Service Provision)	
	Appendix 3, Regulatory Audit Topics (Relating to Regulation of Medical Exposures Using Ionising Radiation)	

European society of radiology (ESR)

Frija et al. Insights Imaging (2021) 12:3 https://doi.org/10.1186/s13244-020-00949-5

Insights into Imaging

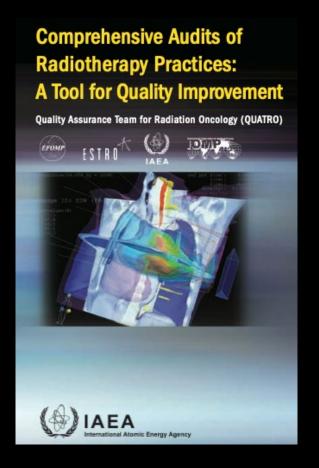
STATEMENT Open Access

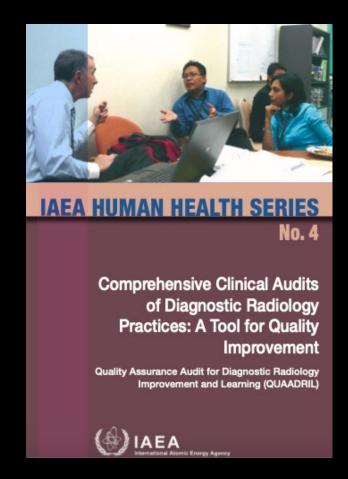
ESR EuroSafe Imaging and its role in promoting radiation protection – 6 years of success

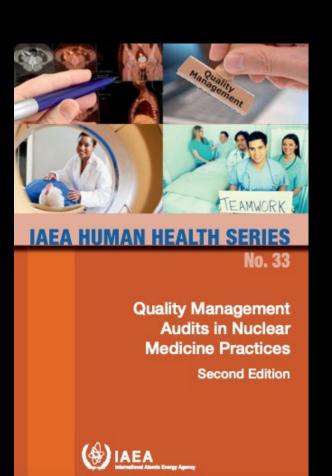


Guy Frija^{1*}, Christoph Hoeschen², Claudio Granata³, Eliseo Vano⁴, Graciano Paulo⁵, John Damilakis⁶, Lluis Donoso⁷, Lorenzo Bonomo⁸, Reinhard Lorenzo Bonomo⁸ ackson¹⁰ on behalf of the European Society of Radiology¹¹

IAEA







2007 2010 2015

WHO

ew trio.be

POLICY SUMMARY 3

2010

Using audit and feedback to health professionals to improve the quality and safety of health care

Signe Agnes Flottorp, Gro Jamtvedt, Bernhard Gibis, Martin McKee

