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

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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 re-audit 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

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

https://epos.myesr.org/poster/esr/eurosafeimaging2020/ESI-07747
Estonia

Kliinilised auditid
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

Germany

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

Rofo 2020; 192(11): 1036-1045
DOI: 10.1055/a-1137-0096

Technique and Medical Physics

The new radiation protection framework since 2019 – Implementation in Germany and comparison of some aspects in seven European countries

Article in several languages: English | deutsch
Reinhard Loose, Michael Wucherer, Michael Walz, Ralf Adamus
Ireland

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

“The HSE should assign appropriate resources to health service provider organisations to enable clinical audit, including a local clinical audit function, protected time for clinical audit, data analysis support, clinical audit templates, software, and training.”

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

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 take responsibility for national clinical audit
Manual de evaluación y certificación de programas de garantía de calidad de Unidades Asistenciales de Radiodiagnóstico
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
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

- Healthcare Quality Improvement Partnership (HQIP) UK (2020) Best Practice in Clinical Audit
- The Royal College of Radiologists, UK. Auditlive. - Templates

https://www.nice.org.uk/about/what-we-do/into-practice/audit-and-service-improvement
http://www.rcr.ac.uk/clinicalradiology/audit-and-qai/auditlive
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, K. Drinkwater, C. Frost, A. Higginson, C. Ball, G. Maskell
European society of radiology (ESR)
ESR EuroSafe Imaging and its role in promoting radiation protection – 6 years of success

Guy Frija1*, Christoph Hoeschen2, Claudio Granata3, Eliseo Vano4, Graciano Paulo5, John Damilakis6, Lluis Donoso7, Lorenzo Bonomo8, Reinhard Loebe9, Steve Federspil Jackson10 on behalf of the European Society of Radiology11
Using audit and feedback to health professionals to improve the quality and safety of health care

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