Overview of Oncologic Imaging in Europe

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• ~ 20% of cancer management wrong because of the wrong diagnosis
• Imaging improves standard of care - radiologists members of MDTs
• Healthcare in Europe – the challenge of tremendous diversity
• Structured fellowship in oncologic imaging does not exist in Europe
• ESR activities in field of oncologic imaging, at European Congress of Radiology, in education, radiation protection, referral guidelines/appropriateness of imaging, research
28 European Union member countries

44 European countries
Availability of CT scanners and MRI units in Europe
Source: OECD, Health Statistics, Eurostat Database

Access to imaging

Renewal of Equipment

Education in Oncologic Imaging -

ESR initiatives

* data provided by the Ministry of Health (Croatia), 2017
Accessibility (waiting time for treatment).

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<th>Indicator</th>
<th>Italy</th>
<th>Latvia</th>
<th>Luxembourg</th>
<th>Malta</th>
<th>Montenegro</th>
<th>Netherlands</th>
<th>Norway</th>
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<tbody>
<tr>
<td>2.1 Family doctor same day access</td>
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<td>2.2 Direct access to specialist</td>
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<td>2.3 Major elective surgery&lt;90 days</td>
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<td>2.4 Cancer therapy &lt; 21 days</td>
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<td>2.5 CT scan &lt; 7 days</td>
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<td>2.6 A&amp;E waiting times</td>
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| Subdiscipline weighted score          | 138   | 113    | 175        | 200   | 113        | 200         | 100    | 150    | 150      | 188    | 183    | 125      | 113   | 100    | 225        | 100            |
European Society of Radiology
75,512 individual members
From 157 countries

European subspecialty and allied sciences member societies

One of them: **European Society of Oncologic Imaging (ESOI)**

- ES of neuroradiology
- ES of abdominal and GI radiology
- ES of urogenital radiology
- ES of breast imaging
- ES of head and neck imaging
- ES of skeletal radiology
- ES of hybrid imaging

Cardiovascular and Interventional Radiology Society
ESMRMB
Oncologic Imaging Activities of the ESR

- ESR European Training Curriculum
- European School of Radiology
- Oncologic Imaging at annual European Congress of Radiology
- ESR and the European CanCer Organisation
- European Society of Oncologic Imaging
- Cooperation with patient advisory groups
ONLINE EDUCATION
e-LEARNING PLATFORM

Website: learn.myESR.org

260 + e-learning modules
ESR European Training Curriculum

- Bi-annually revised and updated for the occasion of ECR
  - Level I-II for training years 1-5
  - Level III for subspecialisation

- Level I-II and Level III revised versions are due for online publication at ECR 2018

- Level II and Level III both have a dedicated section to Oncologic Imaging
  - Level II section B-II-11
  - Level III section B-III-10

Find the curricula online at:
https://www.myesr.org/education/training-curricula
ESOR has multiple activities related to Oncologic Imaging planned for 2018

- GALEN Advanced Course on Oncologic Imaging of the Abdomen, Sept. 13-14, Athens/Greece
- ASKLEPIOS Course on Introduction to Hybrid Imaging in Oncology, Aug. 30-31, Vienna/Austria
- Visiting Professorship Programme Armenia, Abdominal Oncologic Imaging, June 29, Yerevan/Armenia
- AIMS Seminar on Chest and Abdominal Oncologic Imaging, April 11, Mexico City and April 13, Guadalajara/Mexico
Oncologic Imaging at ECR – European Congress of Radiology

32 sessions with 133 presentations

E118 - Lung cancer in the era of molecular oncology and immune therapy (4 presentations)
Wednesday, February 28, 08:30 - 10:00 | Room: M 4 | LEVEL 2
Topics: Chest, Oncologic Imaging, Molecular Imaging | Moderator: H. Frosch (Vienna/AT)
ESR and the European CanCer Organisation - ECCO

• ESR has been a member since 2016
• ESR Society Day took place at ECCO 2017 –
• The ESR candidate was elected into the ECCO Board 2018-2019 – Regina Beets-Tan
• Working closely with ECCO and their member societies on papers for Research and Quality Cancer Care
  – 2017: Melanoma and Oesophageal and Gastric cancer
  – 2018: Breast and Prostate cancer
The fastest growing society for Oncologic Imaging focused on establishing Oncologic Imaging as an area of special interest

Regular meetings, plus very successful webinars with several thousand participants

Distribution of knowledge and research information with the aim to advance and improve all radiological aspects of patients with cancer

ESOI is an institutional member society of the ESR and has representatives in the ESR bodies
• EuroSafe Imaging is the European Society of Radiology’s flagship initiative to promote quality and safety in medical imaging

• The mission of EuroSafe Imaging is to support and strengthen medical radiation protection across Europe

• Call for action includes: diagnostic reference levels, equipment update, education projects, training, clinical audit, clinical decision support, patients (patient advisory group)
ESR iGuide Background

• December 2013: ESR-led study on referral guidelines in Europe
  • Awareness of guidelines is limited (70% of respondents)
  • Guidelines are hardly used in practice
  • CDS is a recommended solution to improve this situation

• Increasing demands on medical imaging, (financial) pressures, waiting times...

• Pilots in 9 countries

• Euratom Basic Standards and Safety Directive mandates guideline availability in EU countries
  • New BSS directive applies since February 6, 2018
CDS and oncologic imaging

ACR Select “Oncology Matrix”

• 180 oncology indications with unscored exams
  • Scenarios for: screening, suspected/known cancer, staging, monitoring, recurrence

• Recommendations can be localised to national regulations or institutional requirements

Patient access to imaging

• Cancer care pathways (often nationally defined in Europe) need to be taken into account
  • CDS must fit into the defined pathway

• CDS ensures optimised utilisation of imaging resources

• Patient access is ensured based on clinical need and appropriateness

• CDS can be a tool to manage waiting times
  • Reducing waiting times by eliminating unnecessary/duplicate exams
National Academy of Sciences
Improving Cancer Diagnosis and Care: Patient Access to Oncologic Imaging and Pathology Expertise and Technologies

February 12–13, 2018
Washington DC, USA

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