

DIGITAL SKILLS ROLE IN RADIATION THERAPIST'S PROFILE

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EUROPEAN FEDERATION OF
RADIOGRAPHER SOCIETIES



IPO PORTO



Associação Portuguesa
de Radioterapeutas



SOCIETA
TAR-RADIOGRAFI MEDICI



European Master
Medical Technology and Healthcare Business



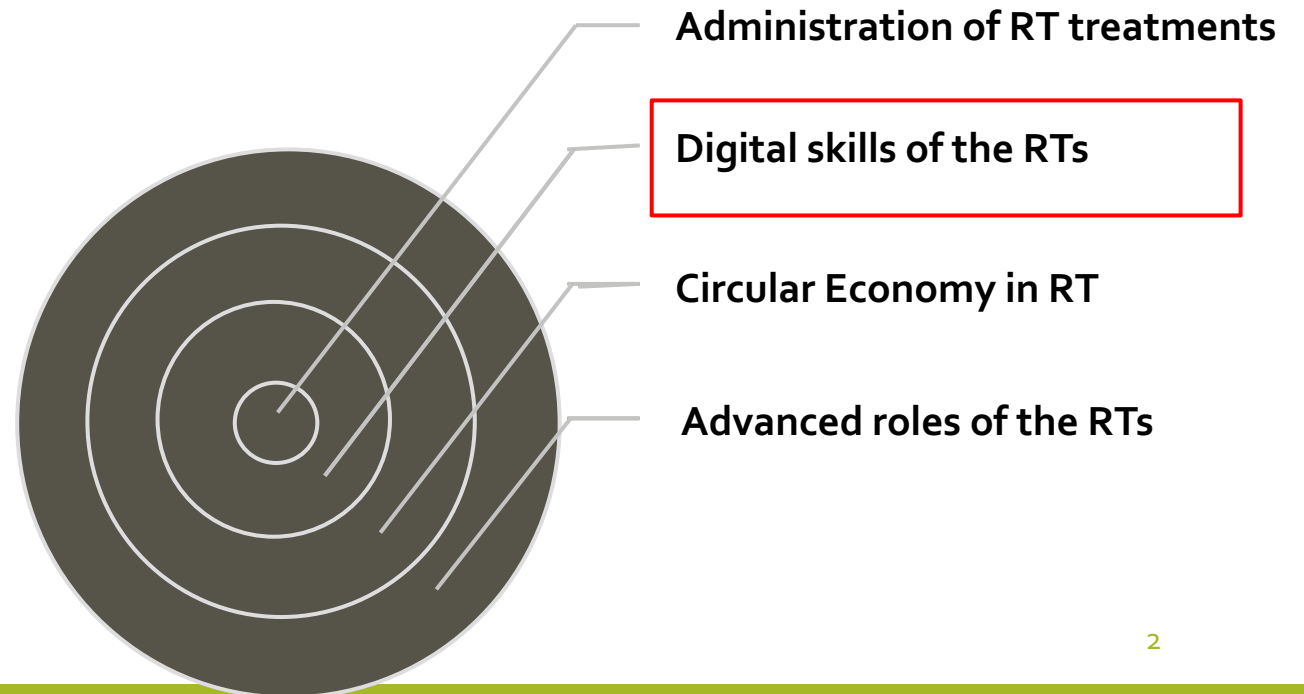
ESCOLA
SUPERIOR
DE SAÚDE

SAFE EUROPE

Safe And Free Exchange of EU RadiOgraphy Professionals across Europe



- Assess the market needs
- ◐ Identify the educational gaps
- Implement educational actions to close the founded gaps



Digital Skills Role in Radiation Therapist's Profile

-Master thesis-

- **Aim:**
 - Review digital skills and possible gaps in the profile of Radiation Therapists
- **Methodology**
 - Bibliographic research PubMed/Medline, Science Direct
 - Perceptual analysis of a survey applied to radiation therapists
 - Radiation Therapy Market analysis – Identification of Future Trends

Digitization of the Economy

-Fourth Industrial Revolution-



Market
Globalization



Demographic
change



Digitization of
the economy



Labor Market

Digital Economy

economy that is extensively based
on digital computing technologies

Consequences?

Biotechnology

Development in
genetics

Artificial
intelligence

3D printing

Robotics

Nanotechnology

World Economic Forum

Digitization of the Economy

-Fourth Industrial Revolution-

Consequences

Polarization of the labor market



High-skilled individuals (cognitive skills and technical knowledge)



Medium-skilled and low-skilled or non-skilled workers

Job Losses

40% to 60% EU jobs at risk due to digitization-induced automation

Emergence of new occupations and creating new jobs

213,578 jobs in Western Europe World Economic Forum (2013)

Transformations in existing jobs

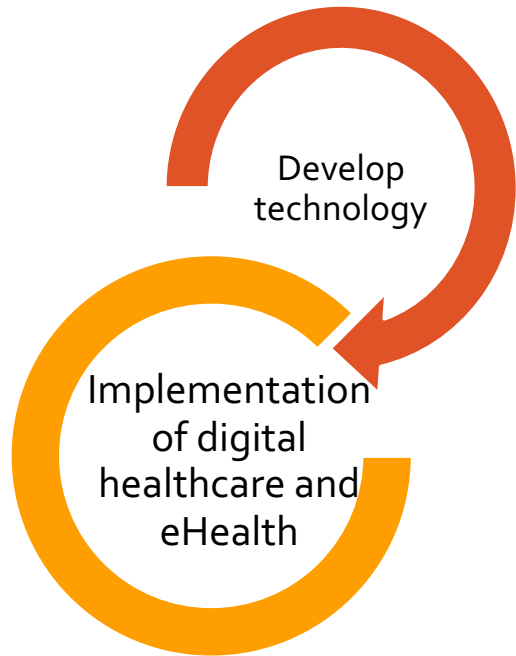
Increased demand of digital skills

Working conditions

Digitization of the Healthcare

-Digital skills in healthcare professionals-

EU Commission



European Connected Health Alliance

eHealth Action Plan 2012-2020 (eHAP)

CAMEI-project

Joint Action Health Workforce Planning and Forecasting

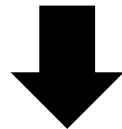
Digitization in Radiation Oncology

-Digital skills and Radiation Therapists-

Modern Radiation Therapy

Continuous development of

- New skills (namely digital skills)
- New competencies



Constant progression and complexity of the technology and techniques

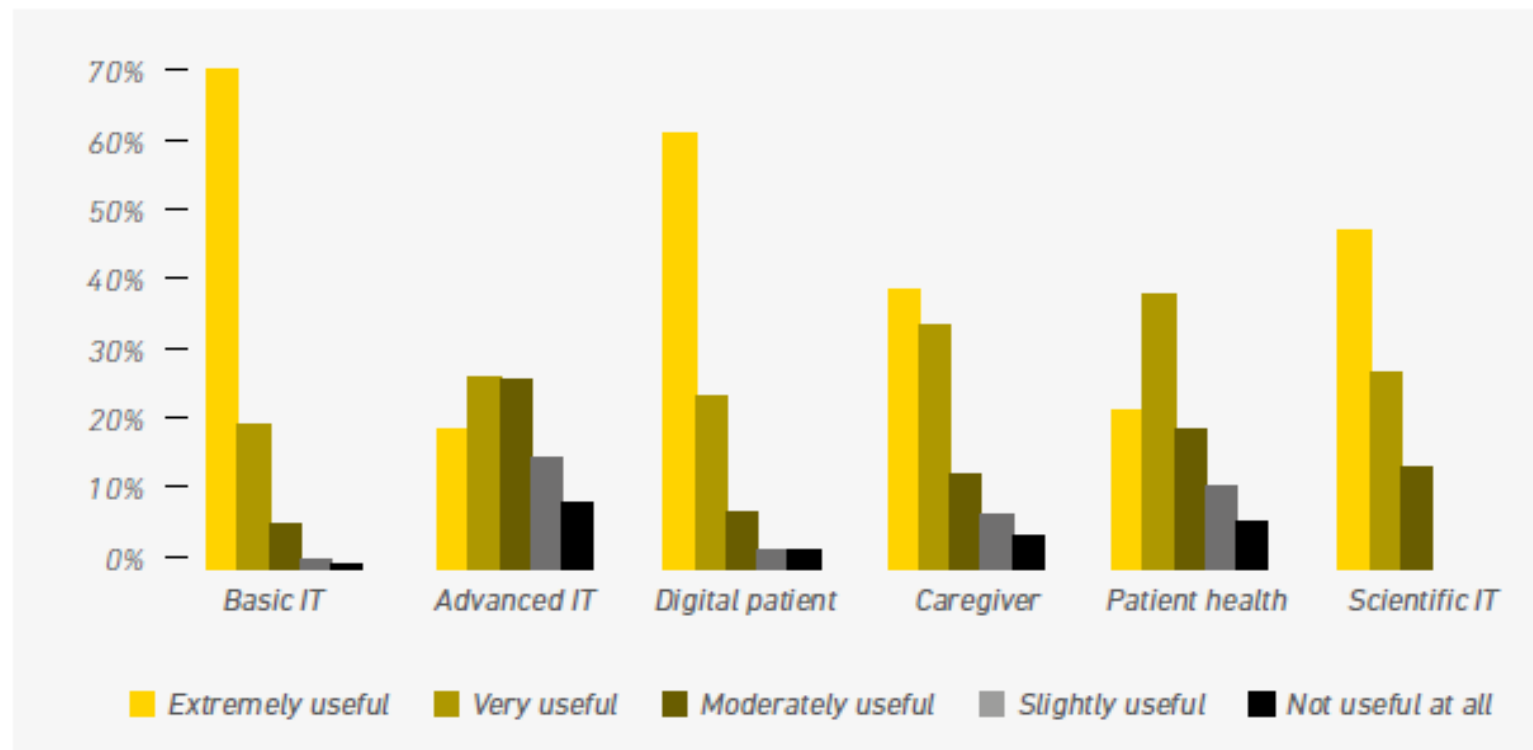
No literature exploring digital skills (role) in the radiation therapist profile



Digitization of the Healthcare

-Digital skills in healthcare professionals-

RELEVANCE OF DIGITAL SKILLS FOR CURRENT AND FUTURE PRACTICE




**DIGITAL SKILLS
FOR HEALTH
PROFESSIONALS**

EUROPEAN HEALTH PARLIAMENT 2016
COMMITTEE ON DIGITAL SKILLS FOR HEALTH PROFESSIONALS

Digitization Era

What about the Future?

Disregard it?

Embrace it?

What are the consequences?

Will the profession as we know it become obsolete?

Will it represent a danger for the patients and healthcare professional involved?

Where is the limit?

How make it happen in a smooth and successful way?

Thank you for your Attention