



SVMTR / ASTRM

Schweizerische Vereinigung der Radiologiefachpersonen
Association suisse des techniciens en radiologie médicale
Associazione svizzera dei tecnici di radiologia medica



Education news

Karolina Dobrowolska

President SVMTR

Department Manager of Radiotherapy, Radiology & Nuclear medicine Hirslanden Zurich
Witellikerstrasse 40, 8032 Zürich
karolina.dobrowolska@hirslanden.ch

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Agenda

Where we are coming from

- Review
- Education land scape Switzerland
- Education today

➤ What to expect

➤ Our future

- Competence development & building

➤ Further procedure

- Launch of working group
 - Comparison of HF vs. FH competencies - sharpen
 - Solution for internships in nuclear medicine / radio-oncology

Review : Where we are coming from



Review: Where we are coming from

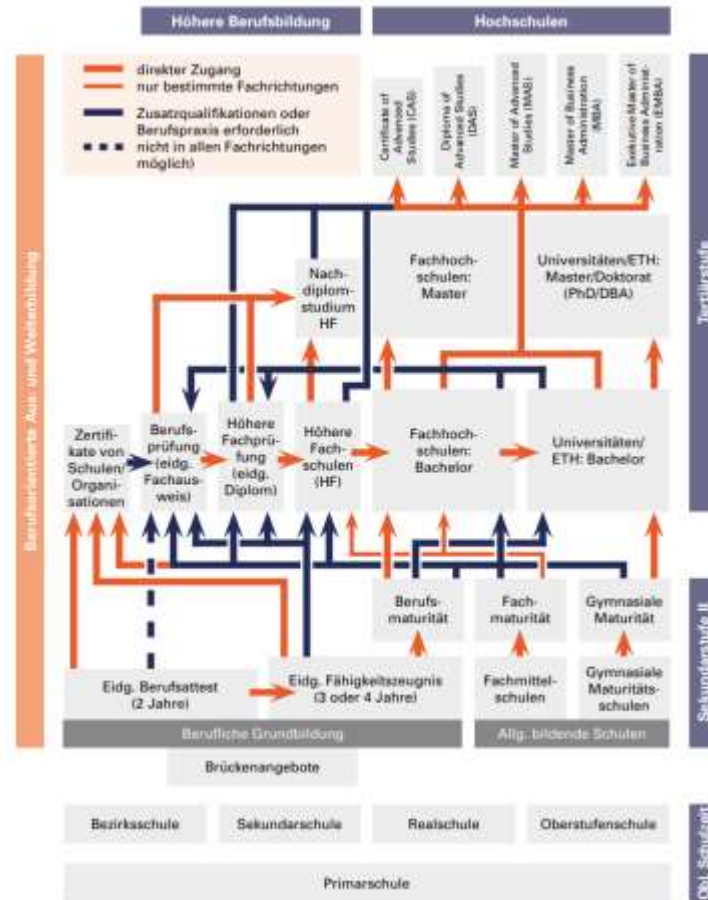
- 2000 - today: The SVMTR has been advocating for a complementary degree programme to the HF study providers at the Bachelor's level.
- This strategy is included in the SVMTR's strategy paper and is reviewed annually and approved by the delegates
- 2018 – 2022: Exchange of Information with ZHAW
- 2018 – 2022: Exchange of Information with BFH
- 09.06.2022: **Meeting BFH:** Urs Brügger / Eugen Mischler, **SVMTR:** Karolina Dobrowolska / Isabelle Gremion, **Careum Bildungszentrum:** Arletta Collé, **BZGBS:** Alexis Grand-Guillaume-Perrenoud
Medi Bern: Peter Berger / Gisela Salm, **SSS MT:** Manuela del Torso
- 31.08.2022: Leaders' Meeting Diagnostics, Radiotherapy, Nuclear Medicine

Take home points: Leaders' Meeting Diagnostics, Radiotherapy, Nuclear Medicine 31.08.22, Olten

- What do we want today, tomorrow in the future?
- The majority of chief radiographers are aware that future of our profession is only possible with FH-Level education
- Too little political support – standing
- Our profession recognition is dependent on Bachelor education
- For example being anchored in the cantonal swiss medical law

Education land scape Switzerland

Grafik: Bildungslandschaft Schweiz



Education today

In German-speaking Switzerland/Ticino :

- HF degree
- Level MP5 (Ordinance of the EDI on education and training and permitted activities in radiation protection)

In French-speaking Switzerland :

- FH degree
- Level MP6
- Continuing education 2nd and 3rd cycle (since 2017 Msc)
- Advanced practice



Education today

Comparison points	HF Level	FH - Level	Target state/vision
Modell	Action role model IPRE: Competences are derived from the work processes and are defined.	Competency role model: Oriented towards the competences required for professional practice and independently defines the desired work steps to the result. No predefined work process.	Digital/interprofessional competence role model

What to expect



What to expect - discussions points:

- Do not endanger the HF education and establish a development perspective **with 3 levels.**
- Develop a passerelle that opens up new horizons - do not bypass the bachelor's degree programme
- Have prospects that we need today and in the future
- Career opportunities come into a different focus
- Sustainably bind MTR to the profession



What to expect

SVMTR:

- Tireless commitment
- All organisational tasks in connection with the new positioning
- We fight for your interests
- Political lobbying

What is your task:

- Talk to us
- Tell us what you need in radiotherapy
- Support us
- Network with our colleagues from the clinic
- Develop a strong standing at your workplace

Walking the path together



The challenges

- Skills shortage - skill-grade mix
- Health care in transition
- Role of Radiotherapy, radiology and nuclear medicine in the health care system
- Development of the profession - new competences and responsibilities for radiotherapy professionals



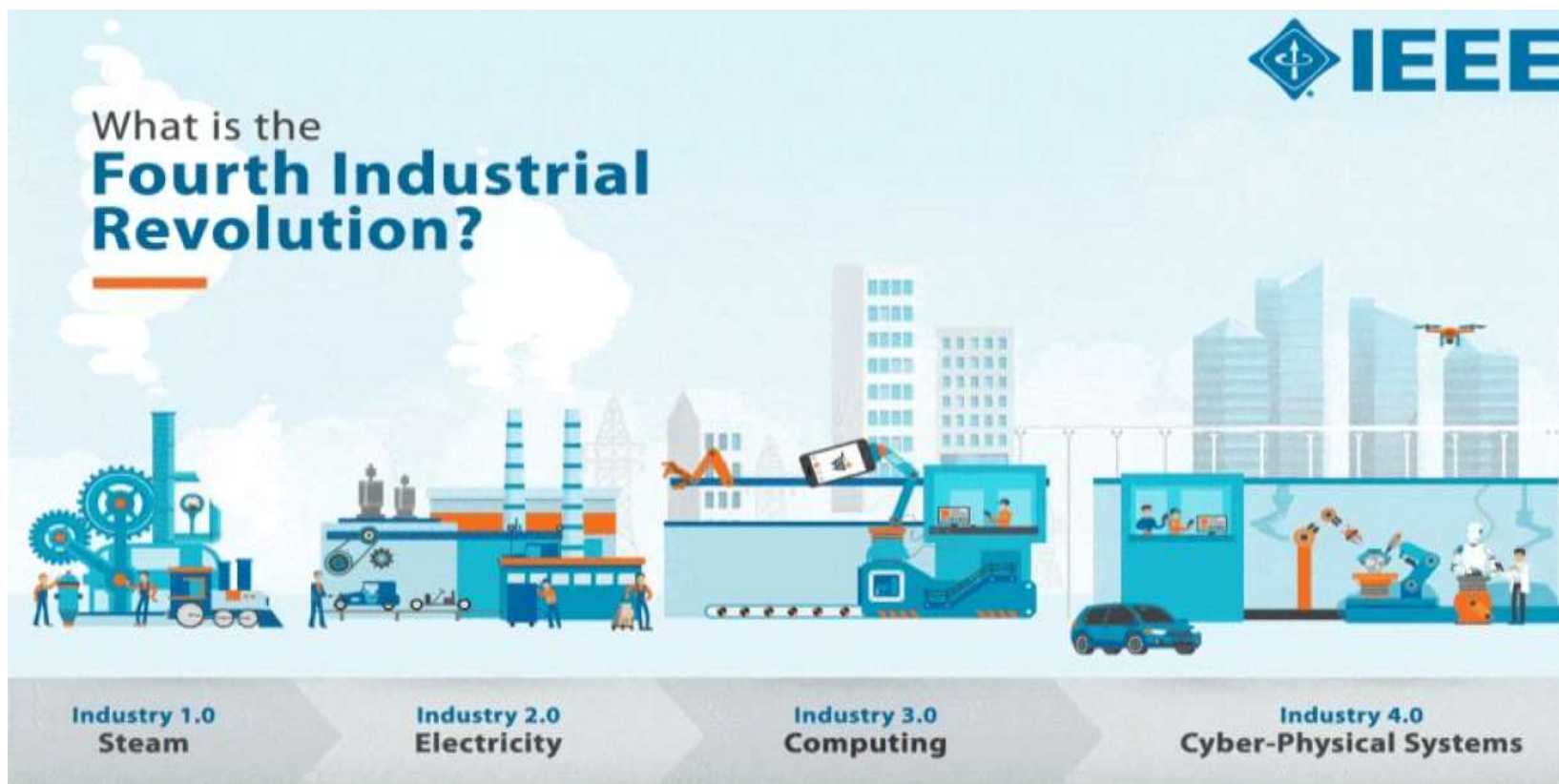
Market Analysis

- The respondents assume that just under 3 additional posts per institution will be necessary in the next five years
- 15% of the institutions have radiological or radiotherapeutic examinations performed in part by MPAs, medical students and TOAs.
- In the next 5 years, 226 additional radiology graduates will be needed per year in order for the institutions to meet the demand (currently about 150 are trained per year).
- 71.8% are of the opinion that measures are needed to combat the shortage of personnel.

Our future



Role of radiology in the healthcare system



Source: IEEE.org, 2020

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Next Steps

Launch of working group:

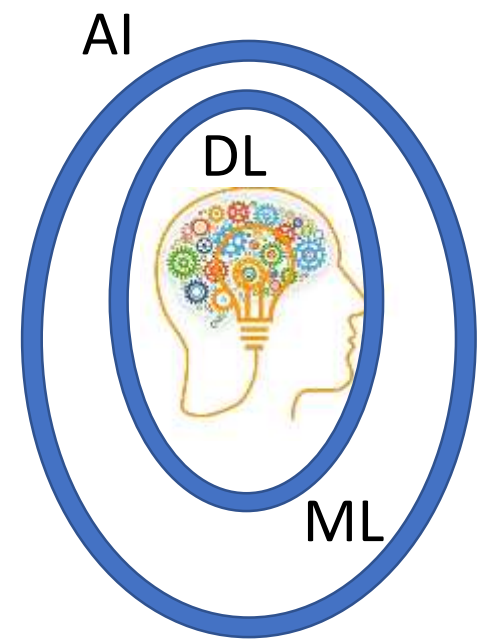
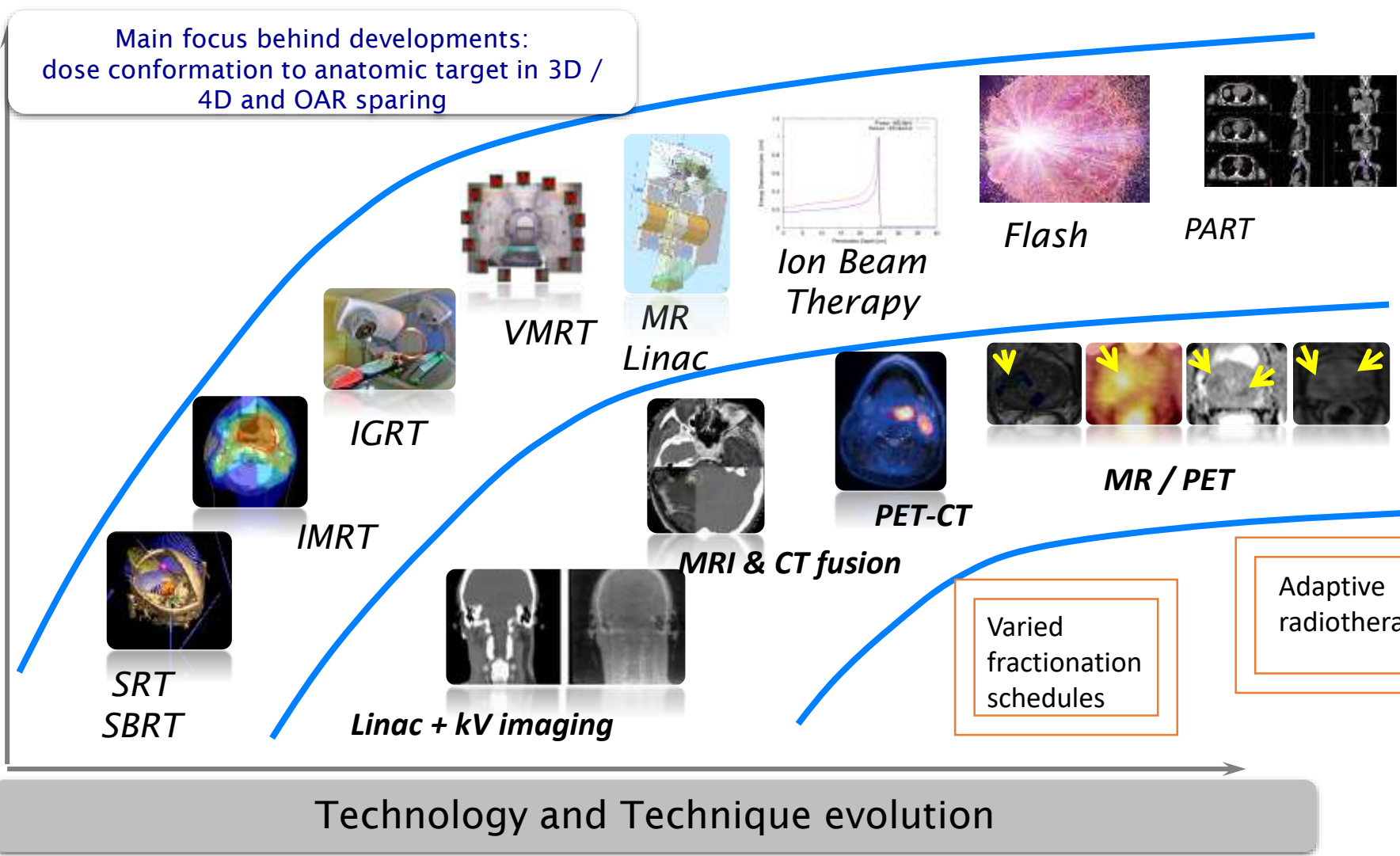
- Kick-off meeting 18.10.2022, afternoon, Olten
- Comparison of HF vs. FH competencies HF / FH
- Solution for internships in radio-oncology / nuclear medicine

Register: info@svmtr.ch

Comparison of HF vs. FH competencies HF / FH

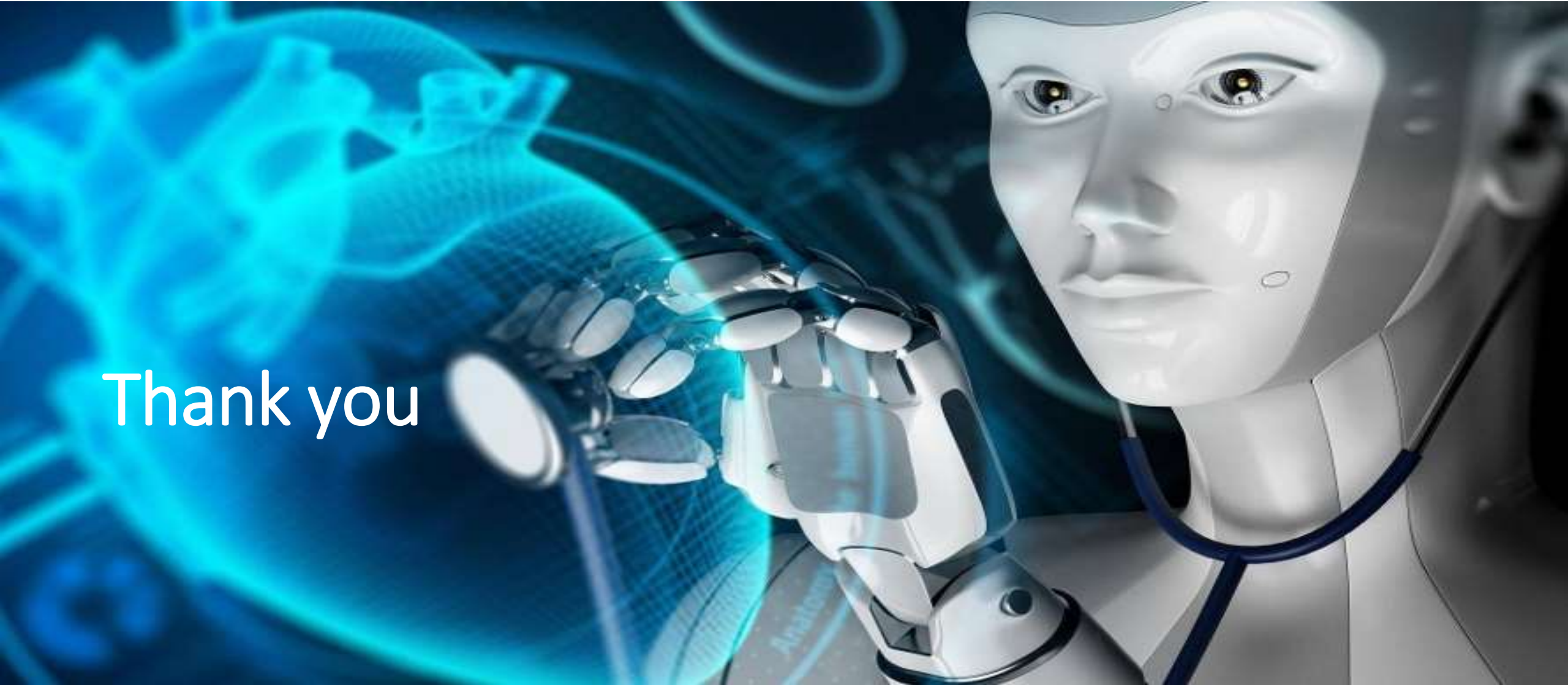
Comparison points	Education Level HF	Education Level FH
Artificial Intelligence and Big Data	Awareness of change (passive role)	Acquire digital culture and knowledge of the basic principles of emerging technologies. Active role and competence development. Role may change (work process remains the same).
Further development	In the case of an existing FH degree programme, the HF graduates have a further education option (CAS, DAS, MAS) in due course. Passerelle to Master possible.	Master, PhD, CAS/DAS/MAS
Patient care	During the examination: patient care, relationship with the patient (selective)	During the treatment pathway: Strengthen the caring role of MTR, monitoring (interprofessional design of the relationship/nursing).

FH Possible TARGET competencies



- Expert in processing and analysis of Big Data and AI in radiotherapy
- Leader remote examination centre
- Research involving AI and data processing (R&D) Responsible for performing simple interventions
- Comprehensive understanding of IT/programming (software)

Based on a slide from Dietmar Georg, Vienna / Thank you M.Coffey for this Slide



Thank you