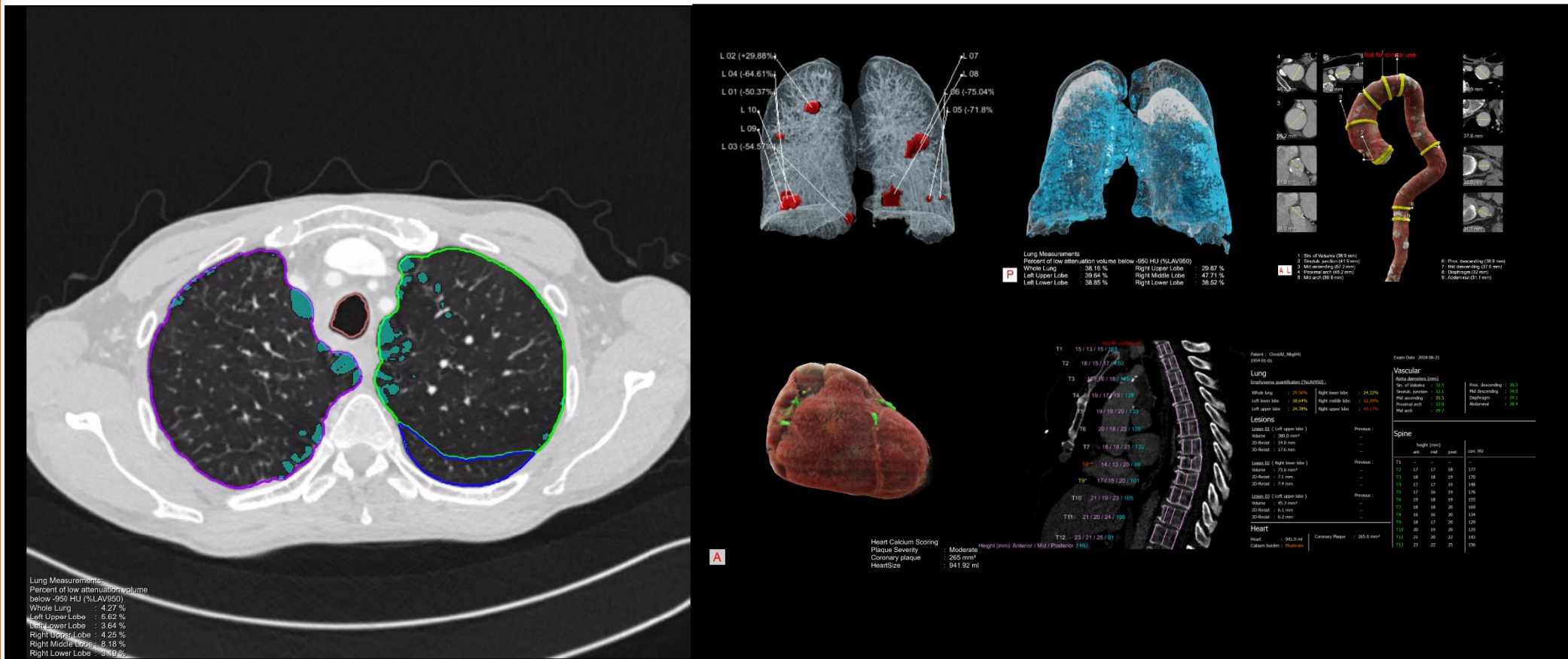European Coordination Committee of the Radiological, Electromedical and Healthcare IT Industry

COCIR Annual General Assembly

COCIR Priorities on Effective Implementation of AI in Healthcare

Marcus Zimmermann-Rittereiser, Siemens Healthineers
COCIR: Chair of AI in Health Task Force and Digital Health

No Vision - but Reality

COCIR – 7 Priorities on effective implementation

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- Demistify Artificial Intelligence (e.g. ML already defined in 1959)
- AI in Healthcare is not Auton. Driving
- AI in Heahlthcare can benefit all stakeholder:
  - patients (accurate diagnosis /treatment)
  - physicians (supporting decision making)
  - payer (keeping costs under control)

- Access to High Quality Data fuels innovation and AI applications on scale
- Access should be enabled fair, transparent and non-discriminatory
- Public sector initiatives should made their data avialable to all stakeholders

- Use-cases will demonstrate benefits to major healthcare stakeholder

Diagram labels: AI Priorities (center), Go to Market, Building Awareness, Access to Data, Use-Cases, Regulatory Framework, Legal Framework, Ethical Framework

COCIR – 7 Priorities on effective implementation

- AI applications need to be deeply embedded into the workflow
- Preferrably will be deployed as SaaS on cloud Infrastructure
- Subscription Fee Model – Robust Order to Cash/Billing process

- 7 Requirements from „Ethical Guidelines for Trustworty AI (April 8th, 2019)
- Initiates pilot phase and offers guidance on each requirement's practical implementation – seeking feedback

- Distinction between Autonomous and **non autonomous AI**
- Liabilty, IP, Data Privacy being the most promoinent questions to be considered

- AI considered as a SW-source code = SaMD → existing MDR applies vs. Continous Learning Systems – New Reg.

AI Priorities:
- Go to Market
- Building Awareness
- Access to Data
- Use-Cases
- Regulatory Framework
- Legal Framework
- Ethical Framework

COCIR – Recommendations

Artificial Intelligence in Healthcare has great potential - we should create the best possible conditions to enable further growth and expansion bringing benefits to patients, physicians, healthcare providers

- Access to data needs to be promoted in a fair, transparent and non-discriminatory way

- Standards and definitions need to be endorsed on EU-level. Sector-specific standards should only be developed where strictly necessary

- Legal frameworks need to provide clarity and certainty for all AI applications.

- "Ethical Guidelines for Trustworthy AI" should encourage voluntary commitment and allow for self-regulating processes on an industry sector level

ARTIFICIAL INTELLIGENCE
IN HEALTHCARE   APRIL 2019

COCIR, the European Coordination Committee of the Radiological, Electromedical and Healthcare IT Industry