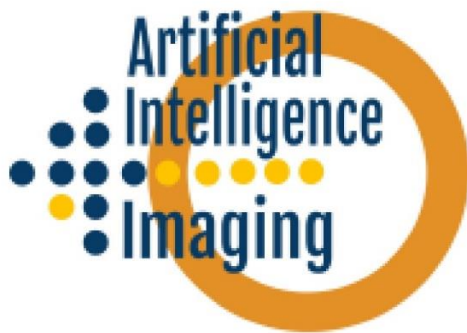




CONFERENCES

Artificial Intelligence for Imaging

28 June-1 July 2023, Maastricht, The Netherlands



Endorsed by ESTRO

Are you tired of seeing vast amounts of medical imaging and patient-related data go to waste? Do you want to stay ahead of the game in the fast-growing field of artificial intelligence (AI) in medicine? Are you interested in what synthetic data is and what it can do for you? Then look no further than the four-day hands-on AI 4 Imaging course!

With the explosion of big data in medicine, hospitals are overflowing with potentially valuable data just waiting to be mined. But with so much information at our fingertips, it can be overwhelming to know where to start. That's why it's crucial to have a clear understanding of which data are useful and when, and to have insight into the models derived from that data. With the near future belonging to augmented intelligence, it's more important than ever to embrace this exciting new technology and to be part of the human-machine teams that are outperforming those who refuse to adapt.

However, with so much potential comes the need for caution. Privacy-sensitive patient data must be carefully sorted, labelled, and protected. That's where modern algorithms come in, taking over the hard work of pre-screening and ranking images based on the likelihood of the presence of a certain trait or disease. With AI, precision medicine is becoming a reality, offering more personalised and cost-effective treatment choices than have been available before.

The trend in medical imaging is towards large-scale analysis for clinical applications such as disease/anomaly detection, workflow optimisation, segmentation and theragnostics. Radiomics and deep learning offer non-invasive ways to reveal key components of disease phenotypes for multiple lesions at multiple time points over the monitoring period. With synthetic data generation, the problem of data-hungry AI can be solved, enabling the creation and evaluation of models without the sharing of patient-sensitive health information.

With the rapid growth in popularity of this scientific discipline, it's important to follow key principles to realise its full potential. Hence the development of the AI 4 Imaging course. During the four-day hands-on course, you'll learn the fundamentals of big data analysis, the advantages and pitfalls of synthetic data generation, and how to evaluate the literature critically and review published articles. You'll also gain the tools to implement a simple AI algorithm to answer a clinical question and to plan and evaluate an imaging-based clinical trial. With the opportunity to test these methods on your data, you'll leave the course with a solid foundation in the field of AI in medicine.

Yet it's not just about the learning. You'll also have the chance to network with leading names in the field, exchange ideas and expand the exciting quantitative imaging scientific community. So don't miss out on this opportunity to stay ahead of the curve and be part of the future of medicine. Sign up for the AI 4 Imaging course today at <https://www.ai4imaging.org>.