
HMX Short Course - AI in Medicine

Medical Image Interpretation

Learn about advances in interpretation of medical images using deep learning systems that can aid in clinical screening and diagnosis.

Recent advances in AI have transformed the use of deep learning for interpreting medical images, such that computers can now effectively “learn from pixels”, along with other sources of clinical data, to achieve levels of diagnostic accuracy that rival (and sometimes exceed) those of human experts.

Understanding these recent advances and the key developments that have enabled them will provide you with a strong basis for understanding future developments in this field. This short course offers a unique way for professionals to learn from leading experts about the key concepts and evolving impact of AI in medical image interpretation.

Topics Covered Include

- Exploring Diverse Medical Imaging Modalities
- Retinal and Skin Photography
- Automating Lung Disease Detection from Chest X-Rays
- Results of Deep Learning for Chest X-Rays
- Predicting Cardiovascular Risk from Retinal Images
- Navigating Challenges in Retinal Image Analysis with Deep Learning
- Predicting Major Adverse Cardiovascular Events
- Enhancing Dermatologic Diagnosis with Deep Learning
- Unpacking the Potential and Challenges of Deep Learning in Dermatologic Analysis
- Results of Deep Learning in Dermatologic Diagnosis
- In Practice: Evolving Applications of AI in Medical Imaging

HMX Short Courses feature targeted lessons on the latest medical science information and advancements to keep learners up to date.