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## **REPORT OF THE ESMPE COURSE, 'ARTIFICIAL INTELLIGENCE IN MEDICAL PHYSICS'**

From October 5th to 7th took place the course 'Artificial Intelligence in Medical Physics'. This course was promoted by the European School for Medical Physics Experts (ESMPE), in collaboration with the Czech Association of Medical Physicists (CAMP), and was held in Prague.

The school was focused on advanced Medical Physics aspects of Artificial Intelligence and aimed at presenting practical methodology, state-of-the-art and future developments of AI. This school was intended for Medical Physicists or associated professions who wish to expand their knowledge in Artificial intelligence and, in order to be able to participate, the students were supposed to complete a remote self training part. The topics covered in the face to face event were: AI for dose and protocol optimization, AI for workflow optimization and automation, Advanced Quality Assurance for AI medical devices, regulatory aspects and session with industry.

All of the lectures were given by highly qualified professionals and also were quite interesting. Artificial Intelligence is becoming more and more available in the clinic and Medical Physicists have to know how to deal with this new technology. For example, some important decisions will be made by AI, but health practitioners will be responsible for these decisions. Another important topic covered were the regulatory aspects. As AI is quite new and is growing very fast, new rules and regulations are required. For example, AI needs a lot of data and new regulation must be established in order to protect the privacy of this data. AI is going to change how we work in the clinic, but we need to be prepared for it in many ways. In addition, the first day of the course took place a social dinner. This is a common event in this type of course, and it gives the ability to interact with colleagues from other countries and discuss some of the topics covered in the lectures. It is also very useful for networking.

To sum up, the courses organized by ESMPE are always quite interesting because the topics covered are always key for the Medical Physics Expert. Besides, the lectures are given by outstanding experts in the field and the courses are held in an international environment.