



7th INTERNATIONAL HOSMARTAI MEETING

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University Medical Centre Maribor and University of Maribor The Faculty of Electrical Engineering and Computer Science have jointly organised the 7th and penultimate consortium meeting of the HosmartAI international project. The meeting was held on Wednesday 29th of November and on Thursday 30th of November.

The HosmartAI project began in 2021 and will last by the middle of 2024. The HosmartAI consists of international partners from 13 countries: Belgium, Czech Republic, France, Greece, Ireland, Italy, Latvia, Germany, Netherlands, Slovenia, Spain, Switzerland and Great Britain. Six hospitals and health centres (UKCMB, IRCCS, SERMAS, CHUL, AHEPA; INTRAS) are included.

On the first day of the meeting there was an opening speech by the lead coordinator. This was followed by a presentation of the workflow of all eight pilot working groups dealing with the implementation of artificial intelligence in the field of health care and medicine.

Pilot 1 (Greece) is developing a clinician-friendly interpretable computer-aided diagnosis system (ICADx) to support and optimise clinical decision making in multi-speciality healthcare environment. Pilot 2 (Belgium) is optimizing the use of radiotherapy.

Pilot 3 (Italy) is improving the treatment with the use of innovative technologies and robotics in rehabilitation process. Pilot 4 (Spain) is focusing on the robotics systems for minimally invasive operations. Pilot 5 is our hospitals pilot. Here at the University Medical Centre Maribor's Department of Thoracic Surgery and our University Department of Abdominal and General Surgery we are testing a robotic nurse and how it is accepted by the patients. The Slovenian robotic nurse Frida has a twin nurse assistant named Pepper, which helps in a Spanish retirement home. Pilot 7 (Brussels) is working on the smart cathlab assistant. Pilot 8 (Brussels) is focusing on prognosis of cancer and their response to treatment combining multiomics data.

On the first day of the meeting a press conference has also been held. The speakers at the press release were the CEO of University Medical Centre Maribor **Prof. Vojko Flis, MD, PhD** and the Medical Director of University Medical Centre Maribor **Prof. Nataša Marčun Varda, MD, PhD, Advisor**. After the opening speeches the robot Frida took on the spotlight. Frida has been in the public eye for some time now and has received a lot of media attention. The robot Frida spoke about the research study and together with our Healthcare Manager Igor Robert

Roj, who for the presentation took on the role of a patient, carried out a simulation of arm movement exercises.

After the end of the first day, we organized an informal Maribor walking tour for our international visitors.

On the second day of the conference there was a presentation of tasks related to project dissemination. The partners presented the events and success of the HosmartAI project at the MEDICA medical technology fair in Düsseldorf (Germany). The conference ended with a discussion on the further steps and the announcement of the last HosmartAI international meeting, which will take place in May 2024 in Venice.

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