**DIGITAL HEALTH & AI APPLICATIONS IN CARDIOLOGY**

**CENTRE OF EXCELLENCE PROGRAM: HEART FAILURE MANAGEMENT, MAY 2024**

**MARMARA UNIVERSITY HYPERTENSION & ATHEROSCLEROSIS RESEARCH CENTER**

**DAY 1 HiPAM**

09.00-09.30 Welcome and scope of the program, Ali Serdar Fak

09.30-10.15 Digital Health Ecosystem, Dr. Ali Serdar Fak

10.15-10.30 Coffee Break

10.30-11.15 Digital Ethics and Ethical Challenges of Digitalisation in Healthcare, Dr. Orhan Önder

11.15-12.00 AI Ethics in Healthcare, Dr. Orhan Önder

12.00-13.00 Lunch

13.00-13.45 Basic Concepts in Data Science for Clinical Applications, Cabir Vural

13.45-14.30 Artificial Intelligence in Cardiovascular Imaging: Case Discussion, Cabir Vural

14.30-14.45 Coffee Break

14.45-15.30 Artificial Intelligence in Clinical Decision Making: Case Discussion, Cabir Vural

15.30-16.00 Interactive Discussion, Orhan Önder, Cabir Vural, Ali Serdar Fak

**DAY 2 HiPAM**

09.30-10.10 Chronic Heart Failure, How to Implement Current Guidelines, Dr. Murat Sünbül

10.10-10.40 Challenges in follow-up of patients with chronic heart Failure, Murat Sünbül

10.40-10.50 Coffee Break

10.50-11.30 Cardiologic Applications of Digital Health, Ali Serdar Fak

11.30-12.10 Artificial intelligence in diagnosis and monitoring of heart failure, Ali Serdar Fak

12.10.-13.30 Lunch

13.30-14.10 ProHeart AI study, background and on-going experience,

Şevket Gündüz, Ali Serdar Fak

14.10-14.50 Interactive Experience on Wearables: Two different wearable devices will be tested by the participants. Şevket Gündüz, Ali Serdar Fak

**DAY 3 HOSPiTAL**

10:00-10:45 Echocardiography lab. visit: Case Discussion in chronic heart failure, Murat Sünbül

11:00-11:30 Pacemaker outpatient clinic:

Practical issues in follow-up of heart failure patients with ICD, ICD-CRT, Murat Sünbül

11:30-12:15 Projection and Closure, Coffee, Murat Sünbül, Ali Serdar Fak