



MARMARA UNIVERSITY
DIGITAL HEALTH & AI APPLICATIONS IN CARDIOLOGY
PRECEPTORSHIP PROGRAM: HEART FAILURE MANAGEMENT 2023-2024

1. Marmara University Hypertension and Atherosclerosis Research Center
2. Marmara University School of Medicine
3. Marmara University Engineering Faculty

DRAFT PROGRAM

DAY 1 HiPAM

- 09.00-09.30 Welcome and scope of the program, Ali Serdar Fak, MEA AZ, Hospital Chief, Dean
- 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 Data Science for Clinical Applications, Cabir Vural
- 13.45-14.30 Data Science for Clinical Applications, Cabir Vural
- 14.30-14.45 **Coffee Break**
- 14.45-15.30 Data Science for Clinical Applications, 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, Current Guidelines, Dr. Murat Sünbül
- 10.10-10.40 Challenges in the 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, protocol and practical issues, Şevket Gündüz, Ali Serdar Fak
- 14.10-14.50 Interactive Discussion, Şevket Gündüz, Ali Serdar Fak

DAY 3 HOSPITAL

- 09:30-10:00 Ecocardiography lab. visit: Echocardiography in chronic heart failure, Murat Sünbül
- 10:00-11:00 Pacemaker outpatient clinic: Follow-up of heart failure patients with ICD, ICD-CRT, Murat Sünbül
- 11:00-12:00 Projection and Closure, Coffee, Murat Sünbül, Ali Serdar Fak