



This project is co-funded by the European Union
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PRESENTER FULL NAME: UFUK BURAK KARCIOĞLU

ORGANIZATION: ISTANBUL METİN SABANCI KEMİK HASTALIKLARI EAH

**WORKSHOP NAME: Baltalimanı Workshop: Building Patient-Specific
Virtual Human Twins**

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Description of the Organisation Istanbul Baltalimani Bone Diseases Training and Research



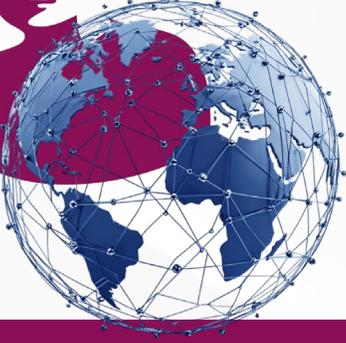
Nestled on Istanbul's Bosphorus shores, this historic gem housed in a 19th-century palace stands as Turkey's sole public orthopedic powerhouse, pioneering bone and joint care since 1944.

A dynamic academy forging future orthopedic leaders: 60 residents, 36 surgeons, 3 hand experts. Annual training in advanced techniques, evidence-based care, and subspecialties

Strategic partnerships in knowledge exchange (surgical seminars, case consultations), education (resident swaps, joint conferences), and research (clinical studies, data analysis, co-publications). Uniting minds to elevate global healthcare



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Teams' Expertise

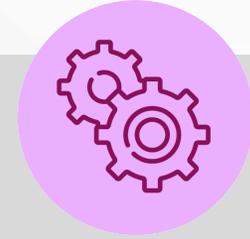
At Istanbul Metin Sabancı Baltalimanı Bone Diseases Training and Research Hospital, our powerhouse team drives excellence in musculoskeletal care.



Specialized Mastery



- **Arthroplasty** — Advanced joint replacements & revisions
- **Spinal Surgery** — Complex spine deformities, scoliosis, disc pathologies
- **Arthroscopy** — Minimally invasive sports & joint solutions



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Your Research Fields

Embracing AI & Digital Twins



Musculoskeletal science



Hand Surgery



Trauma & Deformity



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Your On-going Projects



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Project Idea



Project Idea: ORTHO-MOBILITY+: Strengthening Cross-Border Orthopedic Care through Digital Pathways and Staff Exchange

Growing cross-border patient mobility in orthopedic surgery requires harmonized clinical pathways, digital integration, and sustainable care models. However, differences in perioperative management, rehabilitation standards, and patient safety frameworks create fragmentation across institutions.

We propose a staff exchange network to co-create a digital and sustainable orthopedic care model for cross-border patients. By connecting high-volume public hospitals with academic and digital partners, we will harmonize perioperative protocols, strengthen tele-rehabilitation, and integrate AI-based risk management tools. The project will generate a scalable European framework for safe and efficient orthopedic mobility.



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PROJECT IDEA

This project aims to establish a structured staff exchange network between public orthopedic hospitals, academic institutions, and digital health partners to:

- Co-develop a **Digital Orthopedic Care Pathway Model**
- Enhance **post-operative tele-rehabilitation capacity**
- Improve **patient safety and infection control protocols**
- Integrate **AI-supported risk assessment tools**
- Develop a **sustainable operating room management framework**

Through short-term secondments of clinicians, nurses, health managers, and researchers, the consortium will enable bidirectional knowledge transfer and produce scalable tools adaptable across EU and associated countries.





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Consortium - profile of known partners

No	Partner Name	Type	Country	Role in the Project
01				
02				
03				
04				
05				



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Consortium – required partners

No

Expertise

Type

Country

Role in the project

01

02

03

04



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PRESENTER CONTACT
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COUNTRY: Turkey