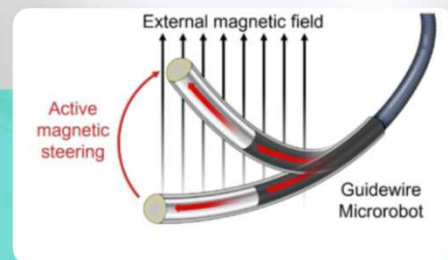


INNOVATIVE MICROROBOTS FOR IMPROVED PATIENT CARE

IM_PATHFINDER _NAVI

A NEXT GENERATION MICROROBOT SYSTEM
FOR PRECISE INTERVENTIONAL PROCEDURES



E-mail

sales@imsystem.kr

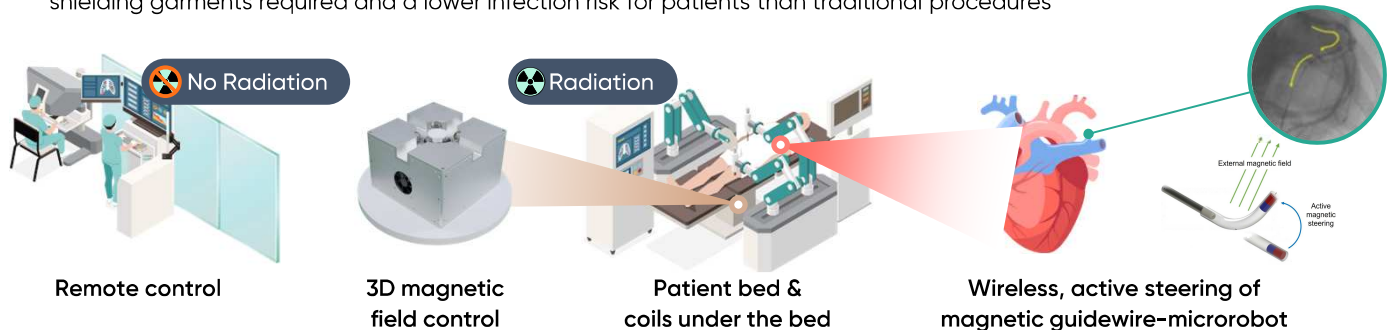
Homepage

<https://imsystem.kr>

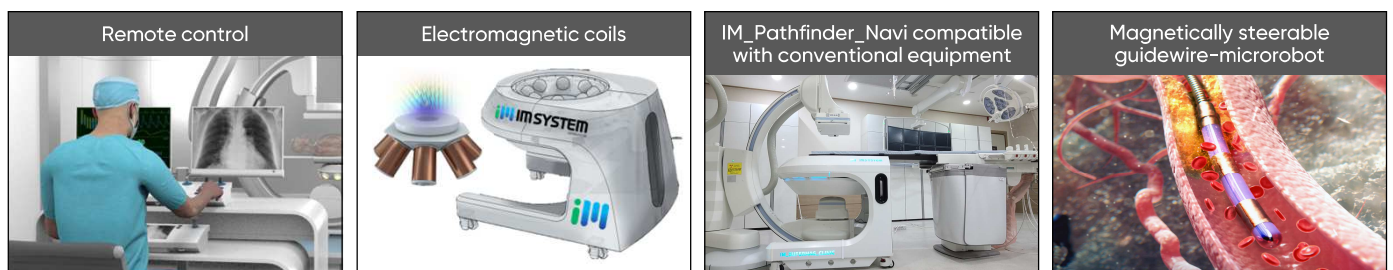
 **IMSYSTEM**
임시스템

IM_PATHFINDER_NAVI

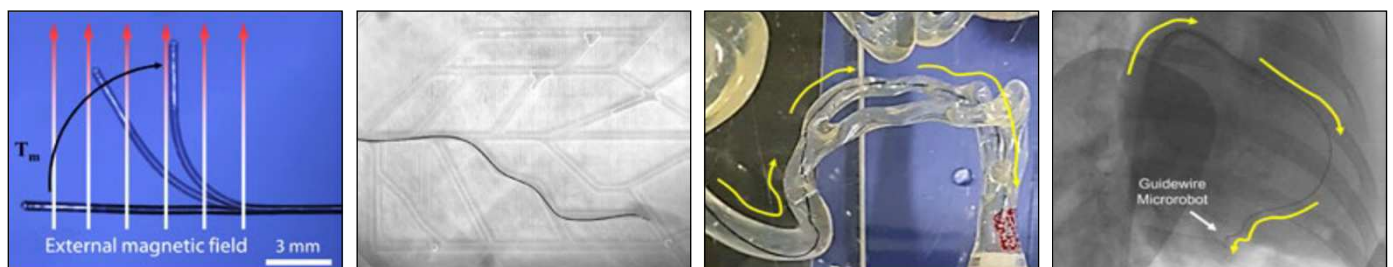
- An advanced medical microrobot system comprising a magnetic guidewire-microrobot and a remotely controllable magnetic actuation system compatible with patient bed for various interventional procedures
- Faster, safer and more precise control (steering & navigation) of guidewires inside complex vascular networks for quicker delivery and implementation of endovascular devices (e.g., stents)
- A less time-consuming treatment, higher operation success rates, less radiation exposure for medical crew, no heavy radiation shielding garments required and a lower infection risk for patients than traditional procedures



Details of the Overall System



Active Steering of the Guidewire-Microrobot under a 3D Magnetic Field



Applications



- Future development of biomedical microrobot systems will cover wider range of treatment for various diseases

Our Partners



Research Publications (from our collaborators, incl. DGIST)

