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국문 강언세목: 첨단기술 및 AI 를 통한 보건의료 혁신

영문 강연제목: Digital Innovation in Hospital

Abstract(영문):

The rapid advancement of artificial intelligence (AI), digital therapeutics (DTx), and real-world data (RWD) has transformed the landscape of modern healthcare. This presentation introduces practical applications of these technologies in clinical settings, focusing on examples from Severance Hospital.

The Severance Data Platform enhances the accessibility, connectivity, and exhaustiveness of medical big data; the VeNDI (Vendor-Neutral Deployment Infrastructure) provides a standardized environment for validating and integrating medical AI solutions; and the DTx Platform enables safe, interoperable data connections between hospitals, developers, and regulatory agencies. Furthermore, the Y-KNOT Project, a Korean-language large language model (LLM) for healthcare, demonstrates how on-premise generative AI can assist clinicians by automatically drafting structured medical records while preserving data sovereignty and workflow efficiency.

Together, these initiatives establish a hospital-centered ecosystem that ensures the safe use of medical data, standardized validation of AI solutions, and practical clinical integration of digital technologies. The core message is that true healthcare innovation lies not only in technological breakthroughs but also in building sustainable infrastructures that allow such innovations to be verified, disseminated, and trusted in real-world medical environments.

Brief Biosketch (간단한 이력, 연구/대외활동 소개,국문/영문)

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