이름: 안창호 / Chang Ho Ahn
직위: 부서장 / VP of Medical Affairs
소속: 루닛 / Lunit

국문 강연제목: 정밀 종양학에서 AI 의 역할
영문 강연제목: AI in Precision Oncology

Abstract
Cancer is the most demanding disease of all. Precision oncology is aiming a tailored medicine that fits each individual patient, not like one-size-fits-all medicine. Lunit's goal is achieving precision oncology with various medical data. In this presentation, I will mainly discuss about applying artificial intelligence (AI) in digital pathology. Pathological images contain rich information of the patient's tumor biology. However, the interpretation of these images requires significant human effort, and quantifying small elements in whole slide images is not practical. A) can be used to interpret pathological images and extract valuable information. This AI-driven approach can potentially lead to the discovery of new biomarkers for predicting treatment responses or patient prognosis. We built AI models that understands H&E pathology images and IHC pathology images. Each model interprets patients' images and makes quantitative biomarker that is related to treatment decisions. Our models have been validated in retrospective studies and prospective trials are now on-going.

Brief Biosketch
Board-certified endocrinologist previously worked as a clinical professor at Seoul National University Hospital and Seoul National University Bundang Hospital. MD and PhD degrees from Seoul National University. Currently, VP of Medical affairs department of oncology group in Lunit having central roles in the development of AI model, clinical research, and product strategies.