



이름: 이강현/ Lee, Kang Hyun

직위: 교수/ Professor

소속: 연세대학교 원주의과대학/ Yonsei University Wonju
College of Medicine

기타소속:

강연제목: 통합 Portable X-ray 의료영상 기반 인공지능 진단시스템 개발

Development of an Integrated Portable X-ray Image-based AI Diagnosis System

Abstract:

Portable X-ray imaging equipment is an essential medical device for diagnosing emergency patients or critically ill patients who have difficulty moving. With the recent development of IT technology, new technologies are being developed to miniaturize portable X-ray devices and provide high-quality images with low dose radiation. Additionally, with the development of artificial intelligence and machine learning technology, an artificial intelligence-based reading system that reads captured images using artificial intelligence is also being developed. With the development of digital wireless technology, high-resolution image capture, and artificial intelligence, there is a need for the development of an integrated portable X-ray device incorporating an automatic image interpretation system in the medical field.

This presentation aims to present the development process of an integrated portable X-ray device incorporating an automatic image interpretation system. The used portable an artificial intelligence program was developed to diagnose femur and foot fractures.

Brief Biosketch

현) 연세대학교 원주의과대학 응급의학과 교수

현) 연세대학교 자동차의과학연구소 소장

현) 대한재난의학회 회장/ 현) 한국 자동차안전학회 회장

전) 연세대학교 원주의과대학 학장(19 대, 20 대)

Professor, Department of Emergency Medicine, Yonsei University Wonju College of Medicine

Director, Automotive Medical Science Research Institute, Yonsei University

President, The Korean Society of Disaster Medicine