

오재훈

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학력

- 2004, 한양대학교, 의학학사
- 2009, 한양대학교 대학원, 의학석사 (의공학)
- 2014, 한양대학교 대학원, 면역학박사 (의공학)

경력

- 한양대학교병원 응급의학과 전공의
- 한양대학교 병원 임상강사
- 현재, 한양대학교 의과대학 응급의학교실 교수
- 한양대학교 병원 권역응급의료센터 심폐소생술 교육 센터장
- 한양대학교 의료데이터 머신러닝 연구소/한양재난융합기술센터 운영
- 한양대학교 병원 응급의학과장, 신속대응센터장
- 한양대학교 의과대학 의학교육시뮬레이션 센터장
- 한양대학병원 기관윤리심의위원회(IRB) 전문위원

연구분야

소생의학, 의학데이터 머신러닝

주요저서

- 응급의학
- 노인응급의학
- KTAS 한국형 응급환자 분류도구 : 제공자 교육 매뉴얼

학회활동

- 서울소방학교 강사
- 미국심장협회 BLS/ACLS instructor
- 대한심폐소생협회 KBLS/KALS instructor, 기획위원
- KTAS (한국형 응급환자 분류도구) 교육위원
- 대한 응급의학회지 CEEM 간행위원
- 대한응급의학회 정회원
- 대한중환자의학회 정회원
- 대한소아응급의학회 정회원

수상경력

- 대한응급의학회 우수구연상, 2008
- 대한의용생체공학회 우수구연상, 2010
- 서울시장상 표창장 2015, 2022
- 소생의학 연구자상, 2023^[1]

주요논문

- A retrospective study using computed tomography to compare sufficient chest compression depth for cardiopulmonary resuscitation in obese patients (교신저자) / JOURNAL OF THE AMERICAN HEART ASSOCIATION
- Comparison of two-thumb encircling and two-finger technique during infant cardiopulmonary resuscitation with single rescuer in simulation studies: A systematic review and meta-analysis. (교신저자) / MEDICINE
- Comparison of Heart Proportions Compressed by Chest Compressions Between Geriatric and Nongeriatric Patients Using Mathematical Methods and Chest Computed Tomography: A Retrospective Study (교신저자) / Annals of Geriatric Medicine and Research
- Comparison of optimal point on the sternum for chest compression between obese and normal weight individuals with respect to body mass index, using computer tomography: A retrospective study (교신저자) / RESUSCITATION
- Smartwatch feedback device for high-quality chest compressions by a single rescuer during infant cardiac arrest: a randomized, controlled simulation study. (교신저자) / EUROPEAN JOURNAL OF EMERGENCY MEDICINE
- Comparing the protective performances of 3 types of N95 filtering facepiece respirators during chest compressions: A randomized simulation study (교신저자) / MEDICINE
- Effectiveness of feedback with a smartwatch for high-quality chest compressions during adult cardiac arrest: A randomized controlled simulation study (교신저자) / PLOS ONE
- Evaluation of Smartphone Applications for Cardiopulmonary Resuscitation Training in

South Korea (교신저자) / BIOMED RESEARCH INTERNATIONAL

- Analysis of the Performance for Bystanders' Cardiopulmonary Resuscitation in Geriatric and Out-of-Hospital Cardiac Arrested Patients (교신저자) / Annals of Geriatric Medicine and Research
- Training a Chest Compression of 6-7 cm Depth for High Quality Cardiopulmonary Resuscitation in Hospital Setting: A Randomised Controlled Trial (제1저자) / YONSEI MEDICAL JOURNAL
- Effectiveness of chest compression feedback during cardiopulmonary resuscitation in lateral tilted and semirecumbent positions: a randomised controlled simulation study (교신저자) / ANAESTHESIA
- Proper target depth of an accelerometer-based feedback device during CPR performed on a hospital bed: a randomized simulation study (제1저자) / AMERICAN JOURNAL OF EMERGENCY MEDICINE
- Chest compression with kneeling posture in hospital cardiopulmonary resuscitation: A randomised crossover simulation study (제1저자) / EMERGENCY MEDICINE AUSTRALASIA
- A Bibliometric Analysis of Articles Published in the Journal of the Korean Geriatrics Society (교신저자) / Annals of Geriatric Medicine and Research
- A novel method to decrease mattress compression during CPR using a mattress compression cover and a vacuum pump (제1저자) / RESUSCITATION
- Analysis of Anxiety or Depression and Long-term Mortality Among Survivors of Out-of-Hospital Cardiac Arrest. JAMA Netw Open. 2023 (교신저자)
- Long-term prognosis and causes of death among survivors after out-of-hospital cardiac arrest: A population-based longitudinal study. RESUSCITATION 2022 (교신저자)
- Detection of acute thoracic aortic dissection based on plain chest radiography and a residual neural network (Resnet). Sci Rep. 2022 (교신저자)
- The effect of BMI on COVID-19 outcomes among older patients in South Korea: a nationwide retrospective cohort study. Ann Med. 2021 (교신저자)
- Deep learning algorithms for detecting and visualising intussusception on plain abdominal radiography in children: a retrospective multicenter study. Sci Rep. 2020 (교신저자)
- A retrospective study using computed tomography to compare sufficient chest compression depth for cardiopulmonary resuscitation in obese patients. JOURNAL OF THE AMERICAN HEART ASSOCIATION 2019 (교신저자)

각주

1. [↑](#) <뉴스H> 2023.11.23 [오재훈 교수, 심정지 환자 회복 연구로 '소생의학 연구자상' 수상](#)