



대한컴퓨터가상수술학회 제 13차 하계학술대회
The 13th KSSIS Symposium
Pre-Symposium Workshop
Empirical vs. Digital Simulation Surgery

2019년 7월 13일(토), 조선대학교 치과대학 대강당(1층)
 2019년 7월 12일(금), 나주 중흥 골드스파&리조트

학술프로그램

Friday, July 12		
Time	Program	Speakers
	Pre-Symposium Workshop*	
18:00-20:00	Accurate Segmentation of Complex Object using Deep Learning Technology	이상윤 Sangyoun Lee (Electrical & Electronic Engineering, Yonsei University)
	Clinical Application of 3D Simulation and 3D Printing Technology for Rhinoplasty	최종우 Jong-Woo Choi (Plastic & Reconstructive Surgery, Seoul Asan Medical Center)
	Maxillofacial Reconstruction Update - Application of Digital Simulation	안강민 Kang-Min Ahn (Oral & Maxillofacial Surgery, Seoul Asan Medical Center)

*BOARD MEMBERS ONLY

Saturday, July 13		
Time	Program	Speakers
09:30-10:00	Registration	
09:55-10:00	Opening Remark (이상윤 부회장 Vice-President Sangyoun Lee)	Moderator: 최종우 (Scientific Chair Jong-Woo Choi)
Session I: Nano Robot & AR, VR Technology for the Medicine		Chair: 이상윤 Sangyoun Lee (Yonsei University)
10:00-10:25	뇌질환 표적 치료를 위한 나노로봇 제어기술 Control Techniques of Nano Robots for Targeted Therapy of Brain Diseases	윤정원 Jungwon Yoon (School of Integrated Technology, Gwangju Institute of Science and Technology)
10:25-10:50	정신건강을 위한 생체신호기반 가상/증강현실 플랫폼 설계에 관한 연구 A Study on the Design of VR/AR Platform based on Bio-signal for Mental Health	장민혁 Min-Hyuk Chang (IT Convergence Components Research Center, Korea Electronics Technology Institute)
10:50-11:15	경형외과 수술을 위한 증강 및 가상현실 AR and VR Guide for Orthopedic Surgery	홍재성 Jaesung Hong (Robotics Engineering Daegu Gyeongbuk Institute of Science and Technology)
11:15-12:50	Lunch & Exhibition	
Session II: Empirical vs. Simulational planning with 3D printing, VR and HD Haptic Technology		Chair: 윤인식 In Sik Yun (Yonsei University)
12:50-13:15	비절개눈매교정의 술전 계획과 수술 - 경험적 방법 Planning & Operation in Non-incisional Subclinical Ptosis Correction - Empirical Method	이상혁 Sang Hyuk Lee (SM Beauty Plastic Surgery)
13:15-13:40	시뮬레이션 및 3D 프린팅을 이용한 성형외과 영역에서의 임상적 접근 Clinical Approach in Plastic Surgery Field using Simulation and 3D Printing Technology	백우열 Wooyeol Baek (Plastic & Reconstructive Surgery, Yonsei University)
13:40-14:05	치매 예방 VR 시스템 필요성 및 활용방안 VR System Need for Dementia Prevention and Utilization Plan	최봉두 BongDu Choi (CEO, Human IT Solution Co., Ltd.)
14:05-14:30	힘 반영 의료 시뮬레이터를 위한 HD 햅틱 피드백 HD Haptic Feedback for Force-reflecting Medical Simulators	장대성 Daesung Jang (CEO, HVR LTD.)
14:30-15:00	Break & Exhibition	
Session III: Empirical vs. Simulational planning with AR/ VR and 3D digital technology		Chair: 문성용 Seong Yong Moon (Chosun University)
15:00-15:25	악안면 재건 - 경험적 방법 Maxillofacial Reconstruction - Empirical Methods	안강민 Kang-Min Ahn (Oral & Maxillofacial Surgery, Seoul Asan Medical Center)
15:25-15:50	구강악안면외과에서 가상현실과 증강현실의 활용 VR/AR Application in Oral and Maxillofacial Surgery	문성용 Seong Yong Moon (Oral & Maxillofacial Surgery, Chosun University)
15:50-16:15	환자 맞춤형 양악수술을 위한 디지털 얼굴 디자인 Digital Facial Design for Patient-fitted Orthognathic Surgery	양병은 Byoung-Eun Yang (Oral & Maxillofacial Surgery, Hallym Univ. College of Medicine)
16:15-16:40	악교정선수술 환자에서 삼차원영상 데이터의 임상적 적용 Clinical Application of 3D CT Data in a Surgery-First Approach Patients	국민석 Min-Suk Kook (Oral & Maxillofacial Surgery, Chonnam National University)
16:40-16:45	Closing Remark (김용욱 회장 President Yong Oock Kim)	

