Number	Title	First Author	Conference	Poster Session	Poster Setup Time	Poster Remove Time	Poser Group Name
S-3	Statistical shape model of vascular structures with abdominal aortic aneurysm	Dupont Claire	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-4	Pelvic parameters measurement with sterEOS: a preliminary reliability study	Dorniol Morgane	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-7	Extended field-of-view of the knee bone surface using ultrasound	Nasan Maged	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-8	Towards a patient-specific simulation of the balloon angioplasty treatment technique	Al-Helou Bernard	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-9	Nervous System Exploration Using Tractography To Enhance Pelvic Surgery	Muller Cécile	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-10	Transvaginal Uterine Biopsy: Robot Comanipulation	Tajeddine Nassim	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-12	Surface imaging for patient positioning in radiotherapy	Nazir Souha	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-16	Orientability evaluation of concentric tube robots deployed in natural orifices	Peyron Quentin	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-18	Computer Assisted Early Diabetic Retinopathy Detection from Retinal Fundus Image using Transfer Learning Model	Kumar Basant	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-20	Simulation for preoperative planning, balloon inflation for tibial plateau fracture reduction	Aubert Kévin	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-21	Computer Assisted Detection of Good View Frame from USG Video for ONSD Measurement	Kumar Basant	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-22	Patient’s specific computer simulations to assist coronary artery bypass surgery	Drochon Agnes	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-24	CFD based study of blood stagnation caused by LVAD inflow cannula angulation	Ben Abid Amal	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-25	Transesophogeal HIFU cardiac fibrilation therapy guidance by two perpendicular US images	Dahman Batoul	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-27	Potential of global vision system for learning laparoscopy surgical skills	Vijayan Sinara	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-28	Segmenting Surgical Tasks using Temporal Convolutional Neural Network	Millan Mégane	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-31	An Experimental Protocol on Attentional Abilities in Classic and Robot-Assisted Laparoscopy	Ferrier-Barbut Eleonore	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-34	Mixed Reality Experiment for Hemodialysis Treatment	Lohou Christophe	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-36	Image-based registration for lung nodule localization during VATS	Alvarez Pablo	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-38	Additive Manufacturing of a Microbiota Sampling Capsule Based on a Bistable Mechanism	Ben Salem Mouna	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-39	Towards a novel man-machine interface to speed up training on robot-assisted surgery	Gil Gustavo	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-42	Percutaneous osteoplasty	Garnon Julien	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-46	Development of a finite element model of prostate validated by a realistic prostate phantom	Dieng Mohamed	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-47	FEM-based confidence assessment of non-rigid registration	Baksic Paul	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-48	Tumor heterogeneity estimation from DW-MRI and histology data by linking macro- and micro-information in a quantitative way	Yin Yi	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-50	Improved prostate cancer radiotherapy planning with decreased dose in a rectal sub-region highly predictive for toxicity	Acosta Oscar	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
S-53	Experimental test bench for the hemodynamic study of coronary arteries: bifurcation, stent, aneurysm	Lagache Manuel	Surgetica	Monday 17th – 16h	Monday 17th – 10h	Tuesday 18th – 12h	Surgetica
001	Image quality of low tube voltage on 2nd generation dual-source CT angiography for partial nephrectomy 3D simulation: a phantom study	K. Ohashi	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
002	Non-contrast to contrasted abdominal CT volume regression using fully convolutional network	M. Oda	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
003	Anatomical keypoints localization in 3D CT scans using regression CNN	F. Lalys	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
004	Deep learning-based dual-energy computed tomography imaging	Y. Chen	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
005	70 kVp CT angiography for preoperative assessment of robot assisted partial nephrectomy (RAPN): comparison with 120 kVp imaging	W. Tani	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
006	Image noise characteristic of deep learning-based reconstruction image in precision detector computed tomography	A. Urikura	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
007	Artifacts reduction for analyzing postmortem CT images by using deep learning	S. Chai	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
008	Analysis of colon curvatures in CT colonography images in different patient positions	G. Fichtinger	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
009	Reference misalignment detection and correction for atrial fibrillation catheter ablation	A. J. Stewart	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
010	Clinical Information Analyzer system to support surgery toward realization of AI surgery	K. Kusuda	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
011	Bone suppression for chest X-ray image using a convolutional neural filter	N. Matsubara	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
012	Dynamic contrast-enhanced CT diagnosis of primary liver cancers using transfer learning of pre-trained convolutional neural network	A. Yamada	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
013	Online calibration of a mobile C-arm using inertial sensors A feasibility study in order to achieveCBCT	I. Lemammer	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
014	Improving realism in patient-specific abdominal Ultrasound simulation using CycleGANs	S. Vitale	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
015	Deep Learning-based Digital Subtraction Angiography Image Generation	Y. Chen	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
016	Downsampled Cerebral CT Perfusion Image Restoration with CNN	H. Zhu	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
017	Markerless pose estimation of a endoscope-compatible fiberprobe for optical biopsy : a feasibility study	O. Zenteno	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
018	Mesh Optimization and Centerline Extraction of Vasculature for Endovascular Intervention Simulation	W. Si	CAR / CARS	Thursday 20th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 1
019	3D Deep Learning approach to predict breast tumor response to chemotherapy using two DCE-MRI volumes	M. El Adoui	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
020	Development of automated estimation of disproportionately enlarged subarachnoid space in head CT	N. Takahashi	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
021	Fast and automatic liver segmentation for interventional oncology procedures of liver cancer	A. Landreau	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
022	Primary technical efficacy of stereotactic microwave ablation compared to non-navigated conventional MWA for ablation of liver malignancies	L. Luerken	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
023	Segmentation of glandular area in clinical mammograms using deep learning aimed at volumetric breast density measurement	M. Yamamuro	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
024	Feasibility of 2D-3D intensity-based rigid registration for liver radioembolization guidance	H. Hammami	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
025	Dose distribution analysis of hybrid intensity-modulated radiation therapy for locally advanced lungcancer	Y. Okamoto	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
026	Model-based Registration of Deaeration Deformation for in vivo Animal Lungs	K. Kobayashi	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
027	Ultrasonic image-guided robotic system for nerve block anesthesia	S. Chen	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
028	Effects of super resolution processing using deep learning technique for SPECT images	Y. Okura	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
029	First approach to analyse the body fluid status automatically	K. Skerl	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
030	Development of Automatic Assessment Method for Meniscus in Ultrasonography	H. Watanabe	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
031	Computerised volumetric breast density measurements based on anatomical knowledge on digitalmammograms	Y. Asai	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
032	3D fully convolutional network-based head structure segmentation on multi-modal images fromsparse annotation	K. Mori	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
033	Intravoxel incoherent motion perfusion magnetic resonance imaging of water molecules in the ratcortex after common carotid artery occlusion at 11.7T	S. Fujiwara	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
034	Semi-automated small intestine segmentation by fully convolutional networks and Hessian analysis	K. Mori	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
035	Can thin-slice diffusion weighted imaging promise reliable measurement of apparent diffusioncoefficient? : phantom study	T. Yoshida	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
036	Preliminary Study on Extraction of Blood Vessels from Fluoroscopic Images Using DeepConvolutional Neural Network	R. Kimura	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
037	Automated Segmentation of Prostate Gland with Superpixel based and Active Contour based Methodology using Diffusion-Weighted MR Imaging	A. Mehndiratta	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
038	Detection of Spinal Ultrasound Landmarks Using Convolutional Neural Networks	M. Asselin	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
039	Segmentation of uterus and uterine fibroids in MR images using convolutional neural networks for HIFU surgery planning	G. Yang	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
040	Segmentation of aorta dissection CT images using convolution neural networks	G. Yang	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
041	Measurement of pressure value in mammographic breast compression	H. Nishide	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
042	Segmentation of Hepatic arterial Cone-beam CT Angiography: Comparison of vessels enhancement methods	S. Toure	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
043	Towards Developing a New Diffeomorphism Strategy for Non Rigid Medical Image Registration	S. Dakua	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
044	Design and Clinical Test of a Passive Ultrasound Probe Holder Mechanism for UltrasonographyGuided Arterial Puncturing	B.-J. Yi	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
045	Regional-surface-based registration for image-guided neurosurgery: Effects of scan modes onregistration accuracy	Y. Dong	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
046	Analysis and Optimization of the Robot Setup for Robotic-Ultrasound-Guided Radiation Therapy	M. Schlüter	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
047	A novel RBF-based predictive tool for facial distraction surgery in growing children with syndromiccraniosynostosis	F. Angullia	CAR / CARS	Friday 21th – 10h	Wednesday 19th – 7h	Friday 21th – 17h15	CARS 2
048	Sucker design improvement of stiffness-adjustable grasping pads for laparoscopic surgeries	Y. Nakajima	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
049	Improved laparoscopic access guidance for Verres needle procedures by means of proximallyattached audio evaluation	A. Illanes	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
050	Bleeding and Hemostasis Region Extraction using a Support Vector Machine for AutomaticHemostasis Surgery with Abdominal Cavity Irrigation	Y. Matsunaga	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
051	Global patient tracking with trifocal reconstruction in computer-assisted ENT-surgery	G. Diakov	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
052	Endoscopic vs. volumetric OCT imaging of the mastoid bone structure for pose estimation inminimally invasive cochlear implant surgery	M.-H. Laves	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
053	Integration of intra-operative brain functional positions into the standard brain using SPM	K. Ohshima	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
054	An automatic unmarked guidewire navigation: application to a remote-controlled vascularinterventional robot system	L. Gu	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
055	Improvement of Intraoperative plantar pressure measuring system considering physiological loadcondition	I. Sakuma	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
056	3D printed model-based simulation of laparoscopic surgery for cancer of the descending colon withan abdominal aortic aneurysm: A new surgical technique	D. Hojo	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
057	Impact of a motorised articulated laparoscopic needle holder with ergonomic handle on the gesturesmoothness: a pilot study	A. Dufaug	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
058	A Generic Cable-Driven Manipulator for Targeted Transrectal MR-guided Prostate Biopsy:Preliminary Design and Intervention Planning	N. Navkar	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
059	Development of Mechanical 3D Ultrasound Scanning Devices for Image-guided Interventions	A. Fenster	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
060	A robotic surgical arm dockable on an endoscope to prevent organ injury during insertion	D. H. Lee	ISCAS	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 1
061	Design of 4-DOFs master device and preliminary test for flexible endoscopic robot surgery	J. Ahn	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
062	Design, Characterization and Optimization of a Soft Fluidic Actuator for Minimally Invasive Surgery	G. Decroly	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
063	Design of a parametric knee implant model based on Active Shape Model output data forindividualized knee implants	P. Sembdner	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
064	Augmented reality guidance for zygomatic implant navigation system based on fully-tracked strategy	X. Chen	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
065	Cerebral white matter abnormalities can affect cognitive improvement after carotid endarterectomyin carotid artery steno-occlusive patients	J. Yoshida	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
066	Development of brain surgery assistance system that integrate forceps with continuous tumorresection function and tumor cell isolation device	T. Nagame	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
067	Augmented reality-assisted ventricular puncture with marker-based scene registration	C. Kunz	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
068	Volume rendering depth mapping for fast vessel identification during intracranial deep electrodeplanning	A. Higueras-Esteban	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
069	Accuracy Evaluation of a Drill Guidance System for Orthopaedic Surgery	I. Georgilas	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
070	Three-Dimensional Displacement after a Medializing Calcaneal Osteotomy in relation to the HindfootAlignment and Osteotomy Angle	A. Burssens	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
071	Robust 3D kinematic measurement of femoral component using machine learning	T. Yamazaki	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
072	Towards a markerless Computer Assisted Orthopaedic Surgery system	S. Sta	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
073	A targeting system for distal locking of intramedullary nails based on electromagnetic navigation	X. Chen	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
074	Zebra striping and Moiré mapping assessment for hemifacial deformity	Y. Takeichi	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
075	Printing of contour-adapted bone scaffolds based on calcium phosphate cements	S. Holtzhausen	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
076	Three-dimensional laparoscopic vision improves forceps motion more in the depth direction than inthe horizontal direction	Y. Yamazaki	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
077	New objective skill assessment system for the laparoscopic intestinal anastomosis model andevaluation of validity	M. Uemura	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
078	Clinical Usability Testing of TTTS Fetal Surgery Planning and Simulation Framework	J. Torrents-Barrena	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
079	Introducing surgical landscape guidance for intelligent assistance in minimally-invasive surgery	J. C. Rosenthal	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
080	Acoustic emission integration for ultrasound guidance: a feasibility study for needle based clinicalprocedures	A. Illanes	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
081	Band markers for three-dimensional pose tracking of catheters using single-view fluoroscopy	D. Lee	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
082	Evaluation of an augmented reality guidance system for laparoscopic liver ablations	K. Cleary	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
083	Workflow assessment as a preclinical development tool: surgical process models of threetechniques for minimally invasive cochlear implantation	S. Müller	ISCAS	Friday 21th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	ISCAS 2
084	Proposal for self-evolving CAD system that uses CNN	K. Abe	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
085	Quantification of the diagnosis of depression through application of image recognition technology	Y. Maki	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
086	Heterogeneity of longitudinal brain imaging phenotypes in Alzheimer's disease based onunsupervised clustering of blood marker profiles	G. Martí Juan	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
087	Subtype classification of triple negative breast cancers by using radiomic feature and miRNA	N. Wada	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
088	Automated differential diagnosis of benign and malignant breast lesions on the mammograms	A. Kolchev	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
089	Femur fracture classification from X-ray images with Few-shot learning: A preliminary study	C. Lee	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
090	Towards Automatic Lesion Classification in the Upper Aerodigestive Tract Using OCT and Deep Transfer Learning Methods	M. Schlüter	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
091	Detection of Lung Nodules and Suprahyoid Head and Neck Lesions in High-Resolution CT Scans	E. Kapoor	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
092	Discrimination of the invasive of lung adenocarcinoma in computed tomography image using homology method	K. Nakane	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
093	Deep generative model-based unsupervised detection of inappropriate images in a chest X-ray dataset	T. Nakao	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
094	Improvement of classification performance of pulmonary nodules in CT images using multiple deepconvolutional generative adversarial networks	Y. Onishi	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
095	Computer Aided Diagnosis of Cirrhosis and Hepatocellular Carcinoma using Multi-Phase Abdomen CT	A. Mehndiratta	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
096	Improved Method of An Automated Detection of Gastric Cancer using FCN and Feature Based FalsePositive Reduction	K. Enomoto	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
097	Automated malignancy analysis of microscopic lung images using a deep convolutional neuralnetwork and generative adversarial networks	A. Teramoto	CAD-AI	Thursday 20th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	CADAI
098	Optimization of the BMD measurement procedure in photo-stimulable phosphor (PSP) digitalintraoral imaging systems	A. Katsumata	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
099	Computer-aided Patient-specific Plate Design Software for Cranial Reconstruction Surgery	S. Park	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
100	Web-based platform of planning and visualization for orthognathic surgery	S. Y. Woo	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
101	Image quality of cone beam CT under different exposure parameters	Z. Zhang	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
102	High-quality 3D modeling and its VR animation of skull and jaw using an algorithm of structure frommotion	Y. Hayakawa	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
103	Automatic Three-Dimensional Cephalometric Annotation System Using Three-Dimensional Convolutional Neural Networks	S. H. Kang	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
104	Clinical accuracy of computer guided osteotomy stents in titanium screws drilling in mandibular fractures	H. Abou Elwafa	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
105	Non-invasive computer-assisted dental implant surgery based on optical tracking and 3D printing	J. Pascau	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
106	Modified Point- and Surface-based Registration and their Accuracy Evaluation Methods for ComputerAssisted Maxillofacial Surgical System	S. J. Lee	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
107	Periodontitis detection and classification in panoramic radiographs using Deep Convolutional NeuralNetwork (DCNN)	T. H. Yong	CMI	Wednesday 19th – 14h45 (interactive session)	Tuesday 18th – 7h30	Friday 21th – 17h15	CMI
II-1	Towards Intraoperative Use of Ambient Mass Spectrometry Imaging for Cardiac Tissue	R. Ellis	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
II-2	Learning Needle Tip Localization from Digital Subtraction in 2D Ultrasound	C. Mwikirize	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
II-3	Catheter Localization in 3D Ultrasound Using Voxel-of-Interest-based ConvNets for Cardiac Intervention	H. Yang	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
II-4	Uncertainty-aware Performance Assessment of Optical Imaging Modalities with Invertible Neural Networks	T. Adler	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
II-5	Implicit Domain Adaptation with Conditional Generative Adversarial Networks for Depth Prediction in Endoscopy	A. Rau	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
II-6	Estimation of Tissue Oxygen Saturation based on Image to Image Translation	Q. Li	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
SS-1	Flexible and Comprehensive Patient-Specific Mitral Valve Silicone Models with Chordae Tendinae Made From 3D-Printable Molds	S. Engelhardt	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
SS-2	Towards an Automatic Preoperative Pipeline for Image-Guided Temporal Bone Surgery	J. Fauser	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
SS-3	Dynamic, Patient-Specific Mitral Valve Modelling for Percutaneous Valve Repair Planning	O. Ginty	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
SS-4	Automatic Biplane Left Ventricular Ejection Fraction Estimation with Mobile Point-of-care Ultrasound Using Multi-task Learning and Adversarial Training	M. Jafari	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
SS-5	Prediction of Laparoscopic Procedure Duration Using Unlabeled, Multimodal Sensor Data	S. Bodenstedt	IPCAI	Tuesday 18th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI1
TN-1	Limits of Electromagnetic Tracking for High Precision Interventions	D. Kügler	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
TN-2	Flexible Needle and Patient Tracking using Fractional Scanning for Reduced Dose in Interventional CT Procedures	G. Medan	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
TN-3	Deformable Multi-Modal Registration for Navigation in Beating-Heart Cardiac Surgery	J. Peoples	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
TN-4	Immersive Virtual Reality Environment for Medicine	L. Groves	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
TN-5	Learning Soft-Tissue Behavior of Organs for Surgical Navigation with Convolutional Neural Networks	M. Pfeiffer	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
TN-6	On the Feasibility of 3D/4D Ultrasound Transperineal Image-Guidance for Robotic Radical Prostatectomy	P. Mathur	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
AU-1	Interactive Flying Frustums (IFFs): Spatially-Aware Surgical Data Visualization	J. Fotouhi	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
AU-2	Pedicle Screw Navigation using Surface Registration on the Microsoft HoloLens	F. Liebmann	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
AU-3	Automatic tissue classification in textured models: A novel approach to intraoperative integration of structured light scanning	B. Chan	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
AU-4	A Novel Gaze-supported Multimodel Human Computer Interaction for Ultrasound Machines	H. Zhu	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
AU-5	Deep Neural Maps for Unsupervised Visualization of High Grade Cancer in Prostate Biopsies	A. Sedghi	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
AU-6	A "Pick-Up" Stereoscopic Camera with Visual-Motor Aligned Control for the da Vinci Surgical System: A Preliminary Study	A. Avinash	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
SDS-1	Weakly Supervised Method for Spatio-Temporal Tool Tracking in Laparoscopic Videos	C. Nwoye	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
SDS-2	Teacher/Student Approach for Semi-Supervised Surgical Phase Recognition	T. Yu	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
SDS-3	Objective Assessment of Intraoperative Technical Skill in Capsulorhexis with Temporal Neural Networks	T.S. Kim	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
SDS-4	Visual Domain Adaptation with Self-Training for Face Detection in the Operating Room	T. Issenhuth	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
SDS-5	Active Learning using Deep Bayesian Networks for Surgical Workflow Analysis	S. Bodenstedt	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
SDS-6	Video-based Surgical Skill Assessment using Deep Neural Networks	I. Funke	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
RV-1	Design Optimization of A Contact-Aided Continuum Robot for Endobronchial Interventions Based on Anatomical Constraints	L. Ros Freixedes	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
RV-2	Preliminary Study of An RNN Based Active Interventional Robotic System (AIRS) in Retinal Microsurgery	C. He	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
RV-3	Leveraging RSF and PET Images for Prognosis of Multiple Myeloma at Diagnosis	L. Morvan	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
RV-4	An In-vivo Porcine Dataset and Evaluation Methodologyto Measure Soft-Body Laparoscopic Liver Registration Accuracy with an Extended Algorithm that Handles Collisions	R. Modrzejewski	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
RV-5	Fully Auto Automatic Self-gated 4D-MRI Construction from Free-breathing 2D Acquisitions Applied on Liver Images	L. VazquezRomaguera	IPCAI	Tuesday 18th – 13h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI2
LA-1	Localizing Dexterous Surgical Tools in X-ray for Image-based Navigation	C. Gao	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-2	Evaluation of Head Segmentation Quality for Treatment Planning of Tumor Treating Fields in Brain Tumors	R. Shamir	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-3	Psychophysiological Data and Computer Vision to Assess Cognitive Load and Team Dynamics in Cardiac Surgery	R.D. Dias	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-4	Unity and VTK for VR Medical Image Analysis – an Initial Clinical Evaluation	G. Wheeler	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-5	EM Navigation of a Raman Spectroscopy Needle for Prostate Cancer Confirmation: Preliminary ex-vivo Study in 3D Slicer	R. Shams	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-6	Combining Visual Cues and Interactions for 3D-2D Registration in Liver Laparoscopy	Y.E. Lopez	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-7	Novel Instrument Design for Electromagnetic Navigation Bronchoscopy	H. Jaeger	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-8	OP 4.1: A User-Centered Platform for the Operation Room of the Future	K. März	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-9	EchoBot: An Open-Source Robotic Ultrasound System	A. Østvik	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-10	3D Ultrasound Image Guidance System for Focal Liver Tumor Therapies	D. Gillies	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3
LA-11	Miniature C-arm Simulator Using Wireless Accelerometer Based Tracking	D. Allen	IPCAI	Wednesday 19th – 10h	Tuesday 18th – 7h30	Friday 21th – 17h15	IPCAI3

NOTE: *All IPCAI poster authors have three additional posters sessions, on a voluntary basis (Tuesday 18th – 15h30 ; Wednesday 19th – 12h30 ; Wednesday 19th – 15h30).*

NOTE2: *All IPCAI posters can also be setup on Monday 17th at 10h.*