[JKMP Program]

listow, of Joint acientific mosting between KSMD and ISMD	
History of Joint scientific meeting between KSMP and JSMP	
Chairperson: National Institute of Quantum Science and Technology	ogy Shigekazu Fukuda
Yonsei Cancer Cen	ter Dong Wook Kim
PM-1. Three decades history of the Japan-Korea Joint Meeting on Medical Ph	hysics
Association for Nuclear Technology in Medic	ine Masahiro Endo
PM-2. Me and Korea-Japan Joint Academic Meeting of Medical Physics	
Seoul National University College of Medica	ine Wee-Saing Kang
oint Symposium 1: September 20 (Fri.) 10:15–11:45 (Main)	
Particle Therapy: Future of particle therapy	
Chairperson: Osaka Univers	sity Teiji Nishio
Yonsei Cancer Cen	ter Jin Sung Kim
JS1-1. Development of carbon-ion facility in Japan	
National Institute of Quantum Science and Technolo	ogy Yoshiyuki Iwata
JS1-2. Present and Future of Particle Therapy in Korea	
National Cancer Cen	nter Se Byeong Lee
JS1-3. Particle Therapy in Taiwan: Current Status and Future Prospects	
Chang Gung Univers	sity Tsi-Chian Chao
oint Lecture 1 (Educational Lecture 1): September 20 (Fri.) 13:15–14:15 (Ma	.in)
Future of Monte Carlo simulation	
Chairperson: National Institute of Technology, Toyama Colle	ege Tsukasa Aso
JEL1-1. Geant4 and Medical Applications	
JELI-1. Geant- and Medical Applications	
High Energy Accelerator Research Organizati	ion Koichi Murakami
	ion Koichi Murakami
High Energy Accelerator Research Organizati	
High Energy Accelerator Research Organizati JEL1-2. Applications of PHITS to medical physics	
High Energy Accelerator Research Organizati JEL1-2. Applications of PHITS to medical physics Osaka University / Japan Atomic Energy Ager	ncy Tatsuhiko Sato
High Energy Accelerator Research Organizati JEL1-2. Applications of PHITS to medical physics Osaka University / Japan Atomic Energy Ager JEL1-3. EGS5 Activities and Future Prospects	ncy Tatsuhiko Sato
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High Energy Accelerator Research Organizati JEL1-2. Applications of PHITS to medical physics Osaka University / Japan Atomic Energy Ager JEL1-3. EGS5 Activities and Future Prospects High Energy Accelerator Research Organizati Joint Symposium 2: September 20 (Fri.) 15:15–16:15 (Main)	ncy Tatsuhiko Sato ion Hiroshi Iwase
High Energy Accelerator Research Organization JEL1-2. Applications of PHITS to medical physics Osaka University / Japan Atomic Energy Ager JEL1-3. EGS5 Activities and Future Prospects High Energy Accelerator Research Organization Hoint Symposium 2: September 20 (Fri.) 15:15–16:15 (Main) Medical Physics as a Vocation: Future role of medical physicist	ncy Tatsuhiko Sato ion Hiroshi Iwase tter Hidetoshi Shimizu
High Energy Accelerator Research Organization JEL1-2. Applications of PHITS to medical physics Osaka University / Japan Atomic Energy Ager JEL1-3. EGS5 Activities and Future Prospects High Energy Accelerator Research Organization Hoint Symposium 2: September 20 (Fri.) 15:15–16:15 (Main) Medical Physics as a Vocation: Future role of medical physicist Chairperson: Aichi Cancer Cent	ncy Tatsuhiko Sato ion Hiroshi Iwase tter Hidetoshi Shimizu

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	Seoul National University Hospital	Jaeman Son
Theranosti	cs: Role of medical physicist Chairperson: Hokkaido University	Masayori Ishikawa
	re 2: September 21 (Sat.) 10:45–11:45 (Main)	
	Tohoku University	Noriyuki Kadoya
JS3-3.	Artificial Intelligence in Radiation Therapy	Norimulai V - Jaar
	Korea Institute of Radiological and Medical Sciences	Sang-Keun Woo
JS3-2.	Applications of artificial intelligence in nuclear medicine	
	Yonsei University	Hojin Kim
JS3-1.	Considerations in constructing radiotherapy-related learning-based predicts	2
	The Catholic University of Korea	Wonmo Sung
inc intuit	Chairperson: Hiroshima University	Daisuke Kawahara
• •	osium 3: September 21 (Sat.) 9:00–10:30 (Main) of medical physics with AI	
	The University of Texas MD Anderson Cancer Center	Yusung Kim
KSL-1	. Innovations in Brachytherapy: Advancements, Challenges, and Future Di	
KSIII Spo	Chairperson: Korea Institute of Radiological and Medical Sciences	Sang Hyoun Choi
• KSMP Snee	cial Lecture: September 20 (Fri.) 16:30–17:30 (Sub 2)	
	High Energy Accelerator Research Organization	Shogo Okada
	simulator	
PSS-2.	Simulation study for water radiolysis using MPEXS2-DNA, a GPU	-
	B dot Medical	Naoya Saotome
	Gantry	
PSS-1.	Current Developments and Future Directions of Compact Proton Therapy S	Systems with Magnetic
	Chairperson: Nagoya City University	Toshiyuki Toshito
• Presidentia	l Special Session: September 20 (Fri.) 15:15–16:15 (Sub 1)	
	Osaka University	Yutaka Takahashi
EL2-1.	Process for medical device approval (in Japanese)	
	Chairperson: Uji-Tokushukai Medical Center	Yoshitomo Ishihara
• Educationa	l Lecture 2 (in Japanese): September 20 (Fri.) 16:30–17:30 (Main)	
	Throshinia High Treesson Radionetapy Caneer Center	Shulem Ozawa
	Radiotherapy Hiroshima High-Precision Radiotherapy Cancer Center	Shuichi Ozawa
JS2-3.	Navigating the Future: The Evolving Role of Medical Physicists in the Ag	e of AI and Advanced
	University of California Los Angeles	Sang-June Park
JS2-2.	Current and future roles and responsibilities of medical physicists in the Un	nited States

JL2-1. Initiatives in Targeted Radionuclide Therapy and Dosimetry	
Nagoya University	Ryuichi Nishii
JL2-2. The Role of Nuclear Medicine Physicists in Theragnosis	
Korea Institute of Radiological and Medical Sciences	Jin Su Kim
• Joint Lecture 3: September 21 (Sat.) 13:15–14:15 (Main)	
New dosimetry device: Future of 2D and 3D dosimetry	
Chairperson: HIPRAC	Shuichi Ozawa
Yonsei Cancer Center	Min Cheol Han
JL3-1. Recent Progress of Dosimetry by Using 3D Printed Plastic Scintillators	
Hanyang University	Yong Kyun Kim
JL3-2. Dose Imaging Detector for Hardon-therapy based on Gas Scintillation	
National Institute of Advanced Industrial Science and Technology	Takeshi Fujiwara
JL3-3. Three-Dimensional Gel Dosimetry: Meeting Future Challenges in Advance	es of Radiotherapy
Kitasato University	Yusuke Watanabe
• JSMP grant research report: September 21 (Sat.) 16:20–16:50 (Main)	
Chairperson: Juntendo University	Keisuke Tsuda
JG-1. Development of performance evaluation methods for medical Compton car	nera
National Institute of Quantum Science and Technology	Go Akamatsu
Spansored Sominara	
Sponsored Seminars	
• Luncheon Seminar 1 (VARIAN): September 20 (Fri.) 12:00–13:00 (Sub 1)	
 Luncheon Seminar 1 (VARIAN): September 20 (Fri.) 12:00–13:00 (Sub 1) Relentless innovation. Seamless integration. ~ Eclipse v18 update ~ 	V 1 . A1
 Luncheon Seminar 1 (VARIAN): September 20 (Fri.) 12:00–13:00 (Sub 1) Relentless innovation. Seamless integration. ~ Eclipse v18 update ~ Chairperson: Osaka University 	Yuichi Akino
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 Luncheon Seminar 1 (VARIAN): September 20 (Fri.) 12:00–13:00 (Sub 1) Relentless innovation. Seamless integration. ~ Eclipse v18 update ~ Chairperson: Osaka University Varian Medical Systems, Australia 	Shaun Graydon
 Luncheon Seminar 1 (VARIAN): September 20 (Fri.) 12:00–13:00 (Sub 1) Relentless innovation. Seamless integration. ~ Eclipse v18 update ~ Chairperson: Osaka University Varian Medical Systems, Australia Luncheon Seminar 2 (Hitachi High-Tech): September 20 (Fri.) 12:00–13:00 (Sub 2) 	Shaun Graydon
 Luncheon Seminar 1 (VARIAN): September 20 (Fri.) 12:00–13:00 (Sub 1) Relentless innovation. Seamless integration. ~ Eclipse v18 update ~ Chairperson: Osaka University Varian Medical Systems, Australia Luncheon Seminar 2 (Hitachi High-Tech): September 20 (Fri.) 12:00–13:00 (Sub 2 Particle therapy part: Synchrotron-based ultra-high dose rate (uHDR) irradiation 	Shaun Graydon 2)
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 Luncheon Seminar 1 (VARIAN): September 20 (Fri.) 12:00–13:00 (Sub 1) Relentless innovation. Seamless integration. ~ Eclipse v18 update ~ Chairperson: Osaka University Varian Medical Systems, Australia Luncheon Seminar 2 (Hitachi High-Tech): September 20 (Fri.) 12:00–13:00 (Sub 2) Particle therapy part: Synchrotron-based ultra-high dose rate (uHDR) irradiation Chairperson: Nagoya City University Synchrotron-based ultra-high dose rate (uHDR) irradiation Osaka University Photon therapy part: Initial experience of a brand-new O-ring system, OXRAY Chairperson: Kyoto University 	Shaun Graydon 2) Toshiyuki Toshito Masashi Yagi
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• Morning Seminar (B dot Medical): September 21 (Sat.) 8:00-8:50 (Sub 1)	
Development of a Self-Propelled Shuttle Treatment Table and Efficient use of Proton The	erapy Rooms
	B dot Medical Inc.
Efficiency and Technologies Required for High-Precision Radiation Therapy	
Chairperson: Nagoya City University	Toshiyuki Toshito
Introduction of MR-guided Online Adaptive Radiotherapy and Future Challenges	
National Cancer Center Hospital	Hiroyuki Okamoto
Efficient Treatment Flow in Particle Therapy	
Yonsei University College of Medicine	Jin Sung Kim
• Luncheon Seminar 3 (Accuray): September 21 (Sat.) 12:00–13:00 (Sub 1) How I almost became a medical physicist	
Chairperson: Osaka University	Yutaka Takahashi
Accuray, USA	Mu Young Lee
• Luncheon Seminar 4 (Elekta): September 21 (Sat.) 12:00–13:00 (Sub 2) Clinical and research experience in MR-guided RT	
Chairperson: Tohoku University	Noriyuki Kadoya
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