



Yonsei Radiation Oncology Symposium

The 100th Anniversary of the First Radiotherapy in Korea
The Next Big Leap Into The Future

2022. 04. 15 - 16

Newilhan Memorial Hall (1F), Avison BioMedical Research Center (ABMRC),
Yonsei University

Greetings

Dear Colleagues and Friends,

It is our greatest pleasure to invite you to Yonsei Radiation Oncology Symposium: The 100th Anniversary of the First Radiotherapy in Korea, which will be held on April 15-16, in Avison Biomedical Research Center, Yonsei University, Seoul, Korea.

Severance Hospital started in Kwang Hye Won, Korea's first Western-style hospital, established in 1885 by Dr. Horace N. Allen, a missionary doctor from the United States. Since then, Yonsei Cancer Center, the nation's first medical institution dedicated to cancer treatment, was established in 1969 and was followed by opening a new cancer hospital in 2014, which now ranks among the best cancer hospitals in the world. The year 2022 is significant as it marks the 100th anniversary of radiotherapy in Korea.

The Department of Radiation Oncology, Yonsei Cancer Center, has played a pioneering role in cancer treatment, introducing and distributing countless new technologies in Korea. Introduction of a high-performance linear accelerator in 1972 marks the breakthrough in modern radiation therapy and was followed by brachytherapy, intraoperative radiotherapy, radiosurgery, hyperthermia, and 3D conformal radiotherapy. In addition, we are preparing for another innovation by introducing Carbon-ion Therapy for the first time in Korea, which will begin operations in March 2023.

The main theme of the symposium is "The Next Big Leap into the Future." The program will feature distinguished presenters from Korea and abroad, and this symposium will be the perfect occasion to understand and share the latest trends and innovations in radiation oncology. Although the impact of COVID-19 is overwhelming, we will make every possible effort to make your participation scientifically rewarding and enjoyable.

We look forward to seeing you in April.

IK JAE LEE, MD, Ph.D.
Professor and Chairman
Department of Radiation Oncology,
Yonsei Cancer Center, Yonsei University College of Medicine



Program

Day 1		Friday, April 15, 2022
08:30-08:33	Yonsei RO Chair Welcome	Ik Jae Lee <i>Yonsei RO Chair</i>
08:33-08:37	Congratulatory Address	Hong-Gyun Wu <i>President, KOSRO</i>
08:37-08:40	Commemorative Address	Dong Sup Yoon <i>CEO, YUHS</i>
Session I. History and Evolution of Yonsei Radiation Oncology		Kwan-Ho Cho <i>Former President, KOSRO</i>
08:40-09:20	History and Evolution of Yonsei Radiation Oncology	Gwi Eon Kim <i>Prof Emeritus, Yonsei University</i>
09:20-09:50	Special Lecture – Strategic Application of Radiotherapy for Hepatocellular Carcinoma	Jinsil Seong <i>Yonsei University</i>
09:50-10:00	Break	
Session II. Paradigm Changer in Radiotherapy - Artificial Intelligence		Woo Chul Kim <i>Inha University</i>
10:00-10:30	Building Collaborative Platform and Reproducibility in AI Research	Benjamin Haibe-Kains <i>University of Toronto</i>
10:30-11:00	Individualized Radiation Medicine through Radiomics	Andrew Hope <i>University of Toronto</i>
11:00-11:20	Current and Future Perspectives of Auto-segmentation Program at Yonsei	Jee Suk Chang <i>Yonsei University</i>
11:20-11:30	Break	
Session III. Paradigm Changer in Radiotherapy - MR-guided RT		Hong-Gyun Woo <i>Seoul National University</i>
11:30-11:50	Development of MR-LINAC Systems	Justin Chunjoo Park <i>UTSW</i>
11:50-12:10	1.5T MR-LINAC and Gangnam Severance Experience	Jun Won Kim <i>Yonsei University</i>
12:10-12:30	MR-guided Gating for GI Cancers	Eui Kyu Chie <i>Seoul National University</i>
12:30-13:00	MR -guided Ultrafractionated Stereotactic Adaptive Radiotherapy	Hak Choy <i>UTSW</i>
13:00-14:30	Luncheon followed by Carbon Ion Therapy Center Tour	
Session IV. Carbon Ion Therapy - Current and Future Perspectives		Ki Chang Keum <i>Director, Yonsei Cancer Center</i>
14:30-15:00	Lessons Learned from the History of Particle Therapy	Hirohiko Tsujii <i>QST</i>
15:00-15:20	Carbon Ion Therapy Program at Yonsei	Yong Bae Kim <i>Yonsei University</i>
15:20-15:50	Multidisciplinary Approach for CIRT	Tatsuya Ohno <i>Gunma University</i>
15:50-16:05	Break	
Session V. Carbon Ion Therapy - Clinical Aspects		Hee Chul Park <i>Sungkyunkwan University, Woong Kyu Han Yonsei University</i>
16:05-16:35	Carbon Ion Therapy - Prostate Cancer	Hitoshi Ishikawa <i>QST</i>
16:35-17:05	Carbon Ion Therapy - Liver	Hiroyuki Katoh <i>Kanagawa Cancer Center</i>
17:05-17:35	Carbon Ion Therapy - Pancreas and Rectal Cancer	Shigeru Yamada <i>QST</i>
17:35	Closing Remarks	
Day 2		Saturday, April 16, 2022
09:00-09:02	Welcome Address	Ik Jae Lee <i>Chair, Yonsei RO</i>
09:02-09:05	Congratulatory Remarks	Se Byuong Lee <i>President, KSMP</i>
Session I. History of Yonsei Medical Physics		Youngyih Han <i>Sungkyunkwan University</i>
09:05-09:30	History of Yonsei Medical Physics	Sung Sil Choo <i>Yonsei University</i>
09:30-09:50	Expanding Yonsei Medical Physics	Jin Sung Kim <i>Yonsei University</i>
09:50-10:00	Break & Photo Session	
Session II. Recent Advances in Medical Physics		Byung Chul Cho <i>Former President, KSMP, Dong Wook Kim Yonsei University</i>
10:00-10:20	MR-guided RT at Yonsei	Ho Lee <i>Yonsei University</i>
10:20-10:50	Cardiac Radioablation for Ventricular Tachycardia	Geoffrey Hugo <i>Washington University</i>
10:50-11:20	Advanced Adaptive Radiation Therapy	Justin Chunjoo Park <i>UTSW</i>
11:20-11:40	IMRT, IGRT at Yonsei	Jihun Kim <i>Yonsei University</i>
11:40-12:00	Carbon Ion Therapy at Yonsei	Chae-Sun Hong <i>Yonsei University</i>
12:00-13:00	Lunch	
Session III. Preparing for the Future		Jong Min Park <i>Seoul National University, Min Cheol Han Yonsei University</i>
13:00-13:30	Some Considerations on the Clinical Implementation of AI	Steve Jiang <i>UTSW</i>
13:30-14:00	Next Generation MR-guided Radiation Therapy	Taeho Kim <i>Washington University</i>
14:00-14:30	Modelling Immuno-Radiotherapy	Clemens Grassberger <i>MGH</i>
14:30-15:00	Carbon Ion Therapy with Superconducting Gantry	Takayuki Kanai <i>Yamagata University</i>
15:00-15:30	AI in Yonsei Radiation Oncology	Hojin Kim <i>Yonsei University</i>
15:30	Closing Remarks	
16:00	Carbon Ion Therapy Center Tour	

Registration Information

Registration Dates

Welcome to the Yonsei Radiation Oncology Symposium Registration Website. Registration is required to be admitted to the venue and for the participation in all programs of the Yonsei Radiation Oncology Symposium.

Deadline of Registration

Apr. 13 (Wed), 2022

- E-abstract book will be available on the registration website

Registration Fee

Category	Domestic	Overseas
Registration Fee	Free	

*Once your registration gets accepted, you can receive the news of the symposium by e-mail.

Yonsei Radiation Oncology Symposium Secretariat

Department of Radiation Oncology, Yonsei Cancer Center, Yonsei University College of Medicine
[03722] 50-1 Yonsei-ro, Seodaemun-gu, Seoul, Korea | E-mail: therapy@yuhs.ac

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