ITCCIR-2022 Program (Tentative)		ITCCIR organizing committee
1.Introduction		
1 Lessons from the history of particle therapy	Hirohiko Tsujii	QST *
2 J-CROS activities	Hiroshi Tsuji	QST *
3 Cost effectiveness of CIRT	Tatsuya Ohno	Gunma University
2.Biology		
Characteristics of Carbon Ion Radiotherapy in cancer	Marco Durante	GSI Helmholtzzentrum für
therapy	Marco Durante	Schwerionenforschung
2 Hypoxia in Carbon Ion radiotherapy	Ryoichi Hirayama	QST *
3 Anti-tumor immunity induced by heavy-ion/photon	Tsuguhide Takeshim	QST *
4 Biological effects of fractionation	Yukari Yoshida	Gunma University
5 Precision Carbon Ion Radiotherapy	Takahiro Oike	Gunma University
6 Radiation and Risk of Cancer	Tatsuhiko Imaoka	QST *
7 Targeted Cancer Therapy using Radioisotopes	Sumitaka Hasegawa	QST *
8 Biological Aspects of FLASH Particle Therapy	Teruaki Konishi	QST *
g Implementation of immuno-radiotherapy - from a	Noriyuki Okonogi	QST *
radiation oncologist's point of view-	rtonyani ononogi	ασ.
3.Physics		
Accelerators for CIRT and Quantum Scalpel	Yoshiyuki lwata	QST *
2 Beam delivery, QA (inc. J-CROS)	Hideyuki Mizuno	QST *
3 Biological models (inc. Multi-ion/FLASH)	Taku Inaniwa	QST *
Treatment planning and range uncertainty in carbon-ion	NI I III	007.*
4 radiotherapy	Nobuyuki Kanematsi	LQST*
5 Motion management & IGRT with in-room CT	Makoto Sakai	Gunma University
6 Facility commissioning at Osaka-HIMAK	Masaaki Takashina	OSAKA HIMAK
7 Facility commissioning at Yamagata	Hikaru Souda	Yamagata University
8 Facility design of Yonsei Cancer Center Korea	Jin Sung Kim	Yonsei Cancer Center
9 Facility design of Mayo Clinic	Keith Furutani	Mayo Clinic
What Particle Therapy Can Learn from IMPT and Other		-
High- Precision Radiotherapies	Arnold Pompos	UTSouthwestern Medical Cente
400		
4.Clinical aspects  1 Head & Neck Tumor	Masashi Koto	QST *
	Masasni Koto Masaru Wakatsuki	
2 Eye Tumor		QST *
3 Lung Cancer 4 Liver Cancer	Mio Nakajima	QST *
5 Pancreas Cancer	Kei Shibuya	Gunma University
6 Bone & Soft tissue Sarcoma	Makoto Shinoto Reiko Imai	QST *
		QST *
7 Urological Cancer	Motohiro Murakami	QST *
8 Locally Recurrent Colorectal Cancer	Hirotoshi Takiyama Kazutoshi Murata	QST *
9 Gynecological Cancer 10 Breast Cancer	Yasumasa Mori	QST * QST *
	. adamada Mon	<b>~</b> 01
5.Diagnosis  1 Diagnostic PET imaging for CIRT	Ryuichi Nishii	QST *
ACR Reporting and Data System (RADS) - Essential for	-	
treatment of lung, liver and prostate cancer -	Riwa Kishimoto	QST *
and product out of the same of		

## ITCCIR-2022 Program (Tentative) ITCCIR 6.Topics 1 History of particle beam therapy in Japan from the Hideyuki Sakurai Tsukuba University perspective of national health policy 2 Rationale and Indications for CIRT at Mavo Clinic USA Robert L. Foote Mayo Clinic 3 Reducing Toxicity and Lowering Cost with Particle Robert L. Foote Mayo Clinic Overview of BNCT & Current status of Accelerated-Southern Tohoku BNCT Yoshihiro Takai based BNCT Research Center Hideo Tatsuzaki QST \* 5 Radiation Emergency Medicine Risk Communication: Communicating with the Public Tomoaki Tamaki **Fukushima Medical University** 7. Overview - Clinical aspect of facilities - Overseas facilities The experience with studies of protons versus carbon Heidelberg University Hospital Juergen Debus ion radiotherapy at HIT - Germany National Center for Oncological 2 The clinical experience of hadron therapy at CNAO Ester Orlandi Hadrontherapy - Italy The clinical experience of charged particle radiotherapy EBG MedAustron GmbH -Piero Fossati that has been done at MedAustron Austria - Domestic facilities Introduction of facilities Gunma University Heavy Ion Hidemasa kawamura Gunma University Heavy Ion Medical Center (GHMC) Medical Center(GHMC) Hyogo Ion Beam Medical 2 Clinical aspects of Hyogo Ion Beam Medical Center Tomoaki Okimoto Center 3 Clinical aspects of Carbon-ion Radiotherapy in Hiroyuki Katoh Kanagawa Cancer Center Kanagawa Cancer Center 4 Clinical aspects of OSAKA HIMAK Teruki Teshima **OSAKA HIMAK** 5 Clinical experience of Carbon Ion Therapy at QST Shigeru Yamada QST \* Saga Heavy ion Medical 6 Carbon-ion Radiotherapy in Saga-HIMAT Akira Matsunobu Accelerator in Tosu, Saga **HIMAT** Yamagata University East 7 Clinical experience of East Japan Hevy Ion Center Kenji Nemoto Japan Heavy Ion Center Alphabetical order 8.Introduction of facilities 1 Gunma University Heavy Ion Medical Center 2 Hyogo Ion Beam Medical Center 3 Kanagawa Cancer Center 4 Osaka Heavy Ion Therapy Center (OSAKA HIMAK) 5 QST Hospital, QST 6 Saga Heavy ion Medical Accelerator in Tosu, 7 Yamagata University East Japan Heavy Ion Center

Alphabetical order

## 9. Vendor presentation

- 1 Hitachi, Ltd.
- 2 RaySearch Laboratories
- 3 Sumitomo Heavy Industries
- 4 Toshiba Corporation
- 5 Alfresa Pharma Corporation
- 6 B dot Medical Inc.
  - \*) QST: National Institutes for Quantum Science and Technology