

## ICNCT18 - Poster Presentation Information

Venue: R1010 (10 Floor)

30-Oct-18

Group	Presentation Time	Abstract No.	Poster Board No.	Presentation Code	Last Name	First Name	Presenting	Abstract Title
Group I	13:30	53	1	PS1 CI 01	LIN	Chi-Shuo	Lin, Chi-Shuo	Reirradiation of Locally Recurrent Head and Neck Cancer with BNCT or Proton Therapy: a Systematic Review
	13:36	26	2	PS1 CI 02	HUANG	Nai Chun	Huang, Nai-Chun	Recycling 10B-enriched Boronophenylalanine in Urine of Patients with Recurrent Brain Tumor
	13:42	20	3	PS1 CI 03	KATO	Itsuro	KATO, Itsuro	Boron neutron capture therapy in 45 patients with recurrent head and neck cancers who have no other treatment options.
	13:48	99	4	PS1 CI 04	MOTOYANAGI	Tomoaki	Motoyanagi, Tomoaki	Evaluation of the impact on a change of patient's posture from preplan with diagnostic images to treatment position in boron neutron capture therapy
	13:54	54	5	PS1 B 01	SHIBATA	Saki	Shibata, Saki	Design of collimator for T/N-SPECT for BNCT
	14:00	216	6	PS1 B 02	CHOU	Fong-In	CHOU, Fong-In	The specific retention of boric acid in liver tumor for BNCT in a single liver tumor-bearing rat and a multifocal liver tumor-bearing rabbit models
	14:06	131	7	PS1 B 03	FATEMI	Setareh	Fatemi, Setareh	Simulations of an imaging system based on a CZT photon detector for a future BNCT-SPECT.
	14:12	166	8	PS1 B 04	PROTTI	Nicoletta	PROTTI, Nicoletta	Preliminary performance studies of a CZT photon detector using a highly thermalized neutron beam.
	14:18	167	9	PS1 B 05	PROTTI	Nicoletta	PROTTI, Nicoletta	High performance 3D CZT spectro-imager for BNCT-SPECT: preliminary characterization.
	14:24	14	10	PS1 P 01	ANIKIN	Mikhail	ANIKIN, Mikhail	Feasibility study of using IRT-T research reactor for BNCT applications
	14:30	11	11	PS1 P 02	BYKOV	Timofey	BYKOV, Timofey	Data processing automatization and improvements of D-Pace OWS-30 wire scanner
	14:36	12	12	PS1 P 03	BYKOV	Timofey	BYKOV, Timofey	Visualization of a negative hydrogen ions beam in a vacuum insulation tandem accelerator
	14:42	16	13	PS1 P 04	SYCHEVA	Tatiana	SYCHEVA, Tatiana	Optimization of the beam shaping assembly and local protection of the accelerator source of epithermal neutrons
	14:48	142	14	PS1 B 06	VALERO	Matias	Valero, Matias	PGNAA facility at RA-3: numerical approach towards first measurements of biological samples for BNCT

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Group II	13:30	83	15	PS1 P 05	PORRAS	Ignacio	TORRES, Pablo	Study of the potential application of low energy neutrons from neutron guides to BNCT radiosurgery
	13:36	37	16	PS1 P 06	NAKAMURA	Satoshi	NAKAMURA, Satoshi	Neutron control method for an accelerator-based BNCT system with a solid-state Li target
	13:42	97	17	PS1 P 07	PIESTRUP	Melvin	Pantell, Richard	A High Flux Thermal Neutron Source for Small Animal Models for the Development of Drugs for Boron Delivery to Cancer Sites
	13:48	42	18	PS1 P 08	CHEN	XINRU	CHONG, YIZHENG	Neutron Beams Optimization of Nuclear Medical Ship
	13:54	51	19	PS1 P 09	BABA	Kentaro	BABA, Kentaro	Calculation of the response matrix of a PMMA cylindrical neutron spectrometer in consideration of angle distribution
	14:00	76	20	PS1 P 10	TANAKA	Kenichi	Sakurai, Yoshinori	Investigation of <sup>124</sup> Sb-Be neutron source for BNCT.
	14:06	77	21	PS1 P 11	TANAKA	Kenichi	Sakurai, Yoshinori	Investigation of beam component monitor for BNCT using gel detector
	14:12	89	22	PS1 P 12	LEE	Kuo Wei	Huang, Hong	Design of a model for BSA to meet free beam parameters for a 3.5 MeV linear accelerator
	14:18	90	23	PS1 P 13	LEE	Kuo Wei	Chen, Chao-Bin	Development of a treatment planning system for BNCT
	14:24	152	24	PS1 P 14	KATO	Takahiro	KATO, Takahiro	Quality assurance of an accelerator-based boron neutron capture therapy system: Dosimetric and mechanical aspects based on initial experience
	14:30	137	25	PS1 P 15	ARAI	KAZUHIRO	ARAI, KAZUHIRO	Evaluation of a newly developed water-equivalent bolus technique in accelerator-based boron neutron capture therapy for skin tumors
	14:36	114	26	PS1 P 16	ICHIKAWA	Go	Ichikawa, Go	Development of Thermal Neutron Moderator for Testing Boron Agents for Boron Neutron Capture Therapy (BNCT)
14:42	94	27	PS1 P 17	TAKATA	Takushi	Takata, Takushi	Patient-Position Monitoring System for BNCT Irradiation	

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Group III	13:30	205	28	PS1 R 01	MATSUMOTO	Yoshitaka	MATSUMOTO, Yoshitaka	Folate-modified cyclodextrin improves the intratumoral accumulation of existing boron compounds.
	13:36	207	29	PS1 R 02	CHEN	Lichao	Chen, Lichao	The role of GM-CSF during early cellular responses after BNCR and gamma irradiation
	13:42	30	30	PS1 R 03	LEE	Yi-Jang	Chang, Chun-Yuan	<sup>188</sup> Re-liposome, a high energy beta-particle radiopharmaceutical shows enhanced efficacy on suppression of head and neck squamous cell carcinoma progression by repeated doses
	13:48	49	31	PS1 R 04	KINASHI	Yuko	Kinashi, Yuko	The combination effect of neutron irradiation and exposure to DNA-alkylating agent on glioblastoma cell lines with different MGMT and p53 status
	13:54	79	32	PS1 R 05	OLIVERA	Maria	Portu, Agustina	Biological evaluation of boric acid uptake at different administration times. Comparative study between BPA and BA accumulation curves.
	14:00	68	33	PS1 R 06	OHNISHI	Ken	OHNISHI, Ken	Overexpression of LAT1 by lipofection enhances BPA intracellular incorporation in glioblastoma cells
	14:06	198	34	PS1 R 07	SUJUNG	Chen	Chen, Su-jung	Radiolabeling and In Vivo Image Evaluation of Boron containing neuropeptide(NPY) analogue in breast cancer
	14:12	34	35	PS1 R 08	SANADA	Yu	Sanada, Yu	Disruption of Hif-1 $\alpha$ enhances the sensitivity to BNCT in murine squamous cell carcinoma
	14:18	18	36	PS1 Ch 01	HORI	Hitoshi	HORI, Hitoshi	Boron Tracedrugs: Drug-Design Challenge For Neutron Dynamic Therapy
	14:24	25	37	PS1 Ch 02	YOSHIDA	Fumiyo	Yoshida, Fumiyo	Difference in BPA uptake between glioma stem cells and their cancerous cells
	14:36	194	38	PS1 Ch 04	PORRAS	Ignacio	PORRAS, Ignacio	In vitro studies of new boron-rich nanostructures for BNCT
	14:42	121	39	PS1 Ch 05	KAWAI	Kazuki	KAWAI, Kazuki	Development of cyclic RGD-functionalized maleimide-containing closo-dodecaborate albumin conjugate (MID-AC) as an active tumor targeting boron carrier for neutron capture therapy
14:48	144	40	PS1 Ch 06	ANDOH	Tooru	ANDOH, Tooru	Gadolinium-loaded chitosan nanoparticles (Gd-nanoCPs) for neutron capture therapy of cancer: Influence of particle size of Gd-nanoCPs on tumor-killing effect in vitro	

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Group I	14:00	123	41	PS2 CI 01	KATO	Ryohei	Kato, Ryohei	Preliminary study of the impact on dose distribution due to the reproducibility of shoulder position in sitting-positioned BNCT for head and neck cancer
	14:06	126	42	PS2 CI 02	TAKEUCHI	Akihiko	Takeuchi, A	Impact of inter-observer variability for mucosal delineation on the dosimetry of boron neutron capture therapy for head and neck cancer
	14:12	56	43	PS2 CI 03	FUJIMOTO	Takuya	Fujimoto, Takuya	Study on application of BNCT to synovial sarcoma
	14:18	197	44	PS2 CI 04	OHMAE	Masatoshi	OHMAE, Masatoshi	Treatment of Major Cervical Artery Invasion of Head and Neck Cancer with Boron Neutron Capture Therapy
	14:24	66	45	PS2 M 01	SARTA FUENTES	Jose Antonio	Sarta, Jose	CURRENT STATUS OF NEUTRON CAPTURE THERAPY IN COLOMBIA
	14:30	85	46	PS2 M 02	HUANG	Li-Wen	Huang, Li-Wen	Treatment Result of Combined Volumetric-Modulated Arc Therapy (VMAT) and Simultaneously Integrated Inner-escalated Boost (SIEB) Radiotherapy in a Patient with Locally Advanced Maxillary Sinus Carcinoma.
	14:36	135	47	PS2 M 03	YANAGAWA	Masashi	YANAGAWA, Masashi	Pilot study of Gadolinium Accumulation in Tumour with Intra-arterial Administration of Gadoteridol-Entrapped Water-in-Oil-in-Water Emulsion in VX-2 Rabbit Hepatic Cancer Model for Neutron Capture Therapy
	14:42	103	48	PS2 P 01	HERVE	Marine	HERVE, Marine	Neutron field characterization for Neutron Capture Therapies
	14:48	147	49	PS2 P 02	HIRAGA	FUJIO	HIRAGA, FUJIO	Monte Carlo simulation-based design for an electron-linac-based neutron source for boron neutron capture therapy
	14:54	163	50	PS2 P 03	TSAI	Wen-Chyi	Tsai, Wen-Chyi	Measurement of gamma-ray dose and neutron activation in BNCT beams using TLD-200
	15:00	199	51	PS2 P 04	AKITA	Kazuhiko	AKITA, Kazuhiko	Evaluation of neutron measurement system utilizing a LiCAF scintillator - optical fiber detector
15:06	200	52	PS2 P 05	AKITA	Kazuhiko	Akita, Kazuhiko	Installation of accelerator-based BNCT system at Kansai BNCT Medical Center	

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Group II	14:00	201	53	PS2 P 06	ABO	Keisuke	ABO, Keisuke	Rotary Type Beam profile monitor for Accelerator-Driven BNCT System
	14:06	220	54	PS2 P 07	HUANG	Jung Yun	Shin, Sung Gyun	Design of Neutron Moderation Assembly for A-BNCT
	14:12	31	55	PS2 P 08	PRAENA	Javier	PRAENA, Javier	Results of the measurements of the $^{33}\text{S}(n,\alpha)^{30}\text{Si}$ cross-section at CERN and ILL: application to NCT
	14:18	209	56	PS2 P 09	MUNEVAR	Edwin	Munevar, Edwin	ADVANCES OF THE CHARACTERIZATION OF NEUTRON CAPTURE BY BORON AND GADOLINIUM USING GEANT4
	14:24	177	57	PS2 P 10	YOSHIHASHI	Sachiko	Yoshihashi, Sachiko	Accelerator based BNCT system in Nagoya University -Development of a sealed lithium target-
	14:30	22	58	PS2 P 11	LI	Yan	LI, Yan	Physical Design of Modular Neutron Source Device for AB-BNCT
	14:36	21	59	PS2 P 12	GUAN	Xingcai	GUAN, Xingcai	High-accuracy measurement of the epithermal neutron flux of a $^7\text{Li}(p,n)^7\text{Be}$ -based BNCT neutron source with activation monitors
	14:42	48	60	PS2 P 13	XIAOPING	Zhou	XIAOPING, Zhou	Neutron Photon irradiation damage analysis of human tissue for BNCT based on Geant4
	14:48	72	61	PS2 P 14	KASESAZ	Yaser	Bavarnegin, Elham	BNCT neutron beam design based on the use of a plasma focus neutron source
	14:54	124	62	PS2 P 15	KASESAZ	Yaser	Kasesaz, Yaser	Neutron beam design for BNCT based on the spallation neutron source
	15:00	100	63	PS2 P 16	ZHANG	Wei	ZHANG, Wei	The Physical Design of a Modular Neutron Source Assembly for BNCT
15:12	210	64	PS2 P 18	AUTERINEN	Iiro	AUTERINEN, Iiro	BEAM DOSIMETRY EQUIPMENT FOR THE NUBEAM BNCT SUITE AT HELSINKI UNIVERSITY HOSPITAL CANCER CENTER	

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Group III	14:00	104	65	PS2 R 01	GARABALINO	Marcela	Verónica A. Trivillin	Biodistribution of Boric Acid (BA) and Boronphenylalanine (BPA) for BNCT in the hamster cheek pouch oral cancer model
	14:06	107	66	PS2 R 02	MONTI HUGHES	ANDREA	SCHWINT, Amanda E.	OPTIMIZATION OF THE CLASSICAL CHEMICAL CANCERIZATION PROTOCOL IN THE HAMSTER CHEEK POUCH TO STUDY BNCT FOR ORAL CANCER
	14:12	109	67	PS2 R 03	MONTI HUGHES	ANDREA	SCHWINT, AMANDA E	NOVEL ORAL CANCER & PRECANCER EXPERIMENTAL MODEL FOR SIMULTANEOUS LONG TERM EVALUATION OF THE EFFECT OF BNCT ON TUMORS AND PRECANCEROUS TISSUE
	14:18	110	68	PS2 R 04	MONTI HUGHES	ANDREA	SCHWINT, AMANDA E	RADIOTOXICITY INDUCED BY BNCT MEDIATED BY BPA: A COMPARATIVE ANALYSIS IN AN ORAL CANCER MODEL EMPLOYING THREE DIFFERENT CANCERIZATION PROTOCOLS
	14:24	71	69	PS2 R 05	KASESAZ	Yaser	Afifehzadeh Kashany, Rezvaneh	Calculation of vital head and neck organ dose during BNCT at TRR using ZUBAL head phantom
	14:30	193	70	PS2 R 06	KASESAZ	Yaser	Aminafshar, Behzad	Computational study of the BNCT of the liver cancer at Tehran Research Reactor
	14:36	206	71	PS2 R 07	IMAMICHI	Shoji	IMAMICHI, Shoji	Investigation of the biological properties of neutron beam of accelerator-based BNCT system with intestinal crypt regeneration and ICP-AES
	14:42	156	72	PS2 R 08	HARADA	Takaomi	HARADA, Takaomi	Influence of oxygen status on therapeutic effect of boron neutron capture therapy in human tumor cells
	14:48	44	73	PS2 Ch 01	NAVASCUEZ	Marcos	Pulagam, Krishna Reddy	Boron-rich oil-in-water emulsions as drug nanocarriers for boron neutron capture therapy
	14:54	162	74	PS2 Ch 02	DOWAKI	Satoshi	DOWAKI, Satoshi	Functional evaluation of kojic acid-modified carborane developed as a boron drug for melanoma BNCT
	15:00	170	75	PS2 Ch 03	HATTORI	Yoshihide	HATTORI, Yoshihide	Development of S-Alkyl-closo-Dodecaborate-Containing Amino Acids as Boron Carrier for BNCT
	15:06	203	76	PS2 Ch 04	SHIRAKAWA	MAKOTO	SHIRAKAWA, MAKOTO	Preparation methods of liposome which encapsulated boron compound at high concentration and efficiency.
	15:12	217	77	PS2 Ch 05	WANG	Ta-Wei	Wang, Ta-Wei	Development of boron-loaded Microbubbles for Focused Ultrasound Triggered Brain Tumor Drug Delivery
	15:18	8	78	PS2 Ch 06	KOROLKOV	Ilya	KOROLKOV, Ilya	Synthesis and investigation of carborane coumarins as potential agents for BNCT
	15:24	87	79	PS2 R 09	DAGROSA	Maria	Sara GONZALEZ	In vitro studies of the DNA damage response (DDR) induced by BNCT
15:30	78	80	PS2 R 10	DAGROSA	Maria	Sara GONZALEZ	Evaluation of beta-emitting devices as a complementary tool of BNCT for the treatment of superficial cancer	