

<MOLDCARE Research Paper List> Others

Year/Month	Magazine, Publication, Media or Event	Title	Authors	Part of the Body / Case	Equipment / Treatment Method	Patient Positioning Device set up used during Research
2011/10	Cancers 2011, 3(4)	Carbon Ion Radiotherapy at the Gunma University Heavy Ion Medical Center: New Facility Set-up	Tatsuya Ohno, Tatsuki Kanai, Satoru Yamada, Ken Yusa, Mutsumi Tashiro, Hirofumi Shimada, Kota Torikai, Yukari Yoshida, Yoko Kitada, Hiroyuki Katoh, Takayoshi Ishii and Takashi Nakano	General	Carbon Ion Radiotherapy	Moldcare + 3mm thermoplastic mask
2011/10	Radiotherapy and Oncology 98 (2011)	Malignant mucosal melanoma treated with carbon ion radiotherapy with concurrent chemotherapy: Prognostic value of pretreatment apparent diffusion coefficient (ADC)	Keiichi Jingu, Riwa Kishimoto, Jun-Etsu Mizoe, Azusa Hasegawa, Hiroki Bessho, Hiroshi Tsuji, Tadashi Kamada, Shogo Yamada, Hirohiko Tsujii	Melanoma	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter low-temperature thermoplastic
2013/09	BioMed Research International Volume 2013	Total Marrow Irradiation as Part of Autologous Stem Cell Transplantation for Asian Patients with Multiple Myeloma	Shih-Chiang Lin, Pei-Ying Hsieh, Pei-Wei Shueng, Hui-Ju Tien, Li-Ying Wang and Chen-Hsi Hsieh	Myeloma	Helical Tomotherapy	Moldcare + Civco MT-CHFN-C thermoplastic head frame + s-type mask or Qfix AccuFix Cantilever Board with thermoplastic fixation
2013/09	Technology in Cancer Research and Treatment	Immobilization Considerations for Proton Radiation Therapy	Andrew J. Wroe, David A. Bush, Jerry D. Slater	General	Proton Therapy	Moldcare
2014/03	Journal of Radiation Research, Volume 55, Issue 2	Clinical trial of carbon ion radiotherapy for gynecological melanoma	Kumiko Karasawa, Masaru Wakatsuki, Shingo Kato, Hiroki Kiyohara, Tadashi Kamada, the Working Group for Gynecological Tumors	Melanoma	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter fixation body shell
2015/03	International Journal of Clinical Medicine, 2015, 6	High Dose Rate (HDR) Brachytherapy for Mycosis Fungoides of the Wrist	Gaurav Shukla, Virginia Lockamy, James Keller, Joya Sahu, Barbara Pro, Onder Alpdogan, Wenyin Shi	Wrist	Brachytherapy	Moldcare
2017/11	Radiation Oncology 12	Predictive factors of acute skin reactions to carbon ion radiotherapy for the treatment of malignant bone and soft tissue tumors	Yosuke Takakusagi, Jun-ichi Saitoh, Hiroki Kiyohara, Takahiro Oike, Shin-ei Noda, Tatsuya Ohno, Takashi Nakano	Bone Soft Tissue	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter (low-temperature thermoplastic)
2018	P408	Pediatric Radiation Oncology	Thomas E. Merchant, Rolf-Dieter Kortmann	Pediatric		Moldcare
2019/04	Physica Medica 60 (2019)	Implementing safe and robust Total Marrow Irradiation using Helical Tomotherapy – A practical guide	André Haraldsson, Jacob Engellau, Stig Lenho, Silke Engelholm, Sven Bäck, Per E. Engström	Marrow	Helical Tomotherapy	To be added
2019/07	The 38 th ESTRO Conference Poster Session	Patients' experiences with whole body irradiation using Tomotherapy	Petronella Lannerheim Saure, Carola Hagström and Anette Löfgren	Whole Body	Tomo Therapy / Total Body Irradiation	Moldcare + Orfit (5-point open-face thermoplastic mask) with large vacuum cushion
2020/12	Physica Medica Volume 80	Validation and practical implementation of seated position radiotherapy in a commercial TPS for proton therapy	Dominic Maes, Martin Janson, Rajesh Regmi, Alexander Egan, Anatoly Rosenfeld, Charles Bloch, Tony Wong, Jatinder Saini	General	Proton Therapy / Seated Position Radiotherapy	Moldcare + Qfix BoS™ frame, BoS™ mask, BoS™ back support insert, treatment chair RT-4534
2021/08	ESTRO Conference Session	Procedure for total body irradiation (TBI) with Helical Tomotherapy	Carlos Ferrer, Concepción Huertas, Rodrigo Plaza, Patricia de la Monja, Cristina Mínguez, David García, Alejandro Aznar, Moisés Sáez	Total Body	TomoHD™ / Total Body Irradiation	Moldcare + Thermoplastic mask
2022/05	ESTRO Poster	Refinement of treatment setup accuracy using stereotactic system for paediatric immobilization	Santiago Velázquez, José Luis León García, Felipe Arturo Derecho Torres, D. Muñoz, F.J. Luis Unidad de Oncología Integral Hospital Universitario Virgen del Rocío Santiago. Velazquez, sspa	Pediatric	SBRT	Moldcare + AnatGe eXaKid Stereotactic System for Pediatric Immobilization
2022/11	Physical and Engineering Sciences in Medicine	Deep neural network-based automatic bowel gas segmentation on X-ray images for particle beam treatment	Toshio Kumakiri, Shinichiro Mori, Yasukuni Mori, Ryusuke Hirai, Ayato Hashimoto, Yasuhiko Tachibana, Hiroki Suyari, Hitoshi Ishikawa	General	Particle Beam Treatment	Moldcare + Kuraray Shellfitter low-temperature thermoplastic shell
2023/01	Journal of Applied Clinical Medical Physics	Evaluation of treatment planning system accuracy in estimating the stopping-power ratio of immobilization devices for proton therapy	Kai Jiang, Michael MacFarlane, Sina Mossahebi, Mark J. Zakhary	General	Proton Therapy	Moldcare / CIVCO Vac-Lok bags
2023/10	Cancers 2023, 15(19)	Planning Strategy to Optimize the Dose-Averaged LET Distribution in Large Pelvic Sarcomas/Chordomas Treated with Carbon-Ion Radiotherapy	Ankita Nachankar, Mansure Schafasand, Antonio Carlino, Eugen Hug, Markus Stock, Joanna Góra and Piero Fossati	Sarcomas, Chordomas	Carbon Ion Radiotherapy	MOLDCARE® Cushion

Remarks: Descriptions on this list are based on the original papers.