

<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) | Keichi Jingu, Riwa Kishimoto, Jun-Etsu Mizoe, Azusa Hasegawa, Hiroki Bessho, Hiroshi Tsuji, Tadashi Kamada, Shogo Yamada, Hirohiko Tsujii | Melanoma | Carbon Ion Radiotherapy | Moldcare + Kuraray Shellfilter 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 | Total Marrow | Helical Tomotherapy Total Marrow Irradiation | Moldcare + Civo 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 Shellfilter 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 Shellfilter (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 | Total Marrow | Helical Tomotherapy Total Marrow Irradiation | Moldcare + VacFix Large Vacuum Cushion + Orfit 5 Point Ioer-Face Thermoplastic Mask |
| 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. Velázquez, 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 Shellfilter 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 |