

<Moldcare Research Paper List>

Hypofractionated Radiation Therapy & Stereotactic Radiation Therapy

| Year/Month | Magazine, Media or Event | Title | Authors | Equipment / Treatment Method | Patient Positioning Device set up used during Research |
|------------|---|--|--|--|--|
| 2001/11 | Radiation Oncology Biology Physics Volume 51 | Hypofractionated Stereotactic Radiotherapy (HSRT) alone without whole brain irradiation for solitary and oligo brain metastatic patients using non-invasive fixation of skull | H. Aoyama, H. Shirato, R. Onimaru, K. Miyasaka | Hypofractionated Stereotactic Radiotherapy | Moldcare + Thermoplastic mask |
| 2011/04 | Journal of Applied Clinical Medical Physics Volume 12, Issue 3 | Dosimetric consequences of rotational setup errors with direct simulation in a treatment planning system for fractionated stereotactic radiotherapy | Jean L. Peng, Chihray Liu, Yu Chen, Robert J. Amdur, Kenneth Vanek, Jonathan G. Li | Fractionated Stereotactic Radiotherapy, IMRT | Moldcare + Bionix thermoplastic mask |
| 2015/04 | Radiation Oncology 10 | Radiation-induced rib fracture after stereotactic body radiotherapy with a total dose of 54–56 Gy given in 9–7 fractions for patients with peripheral lung tumor: impact of maximum dose and fraction size | Masahiko Aoki, Mariko Sato, Katsumi Hirose, Hiroyoshi Akimoto, Hideo Kawaguchi, Yoshiomi Hatayama, Shuichi Ono & Yoshihiro Takai | Mitsubishi Electric EXL-20TP / SBRT | Moldcare |
| 2017/04 | Reports of Practical Oncology and Radiotherapy 22 (2) | SBRT planning for liver metastases: A focus on immobilization, motion management and planning imaging techniques | Olivier Riou, Carmen Llacer Moscardo, Pascal Fenoglietto, Emmanuel Deshayes, Raphaël Tetreau, Jessica Molinier, Alexis Lenglet, a Eric Assenat, Marc Ychou, Boris Guiu, Norbert Aillères, Ludovic Bedos and David Azria | CyberKnife®, Linac / SBRT, IMRT, VMAT | Moldcare |
| 2018/02 | Anticancer Research Vol. 38 (2) | A Phase I Study of Hypofractionated Carbon-ion Radiotherapy for Stage III Non-small Cell Lung Cancer | Jun-ichi Saitoh, Katsuyuki Shirai, Takanori Abe, Nobuteru Kubo, Takeshi Ebara, Tatsuya Ohno, Koichi Minato, Ryusei Saito, Masanobu Yamada, Takeshi Nakano and The Working Group of the Lung Tumor | Hypofractionated Carbon Ion Radiotherapy | Moldcare + Sanyo Polymer Industrial Shellfitter thermoplastic shell |
| 2018/05 | Radiation & Oncology Volume 127, Issue 3 | Evaluation of a magnetic resonance guided linear accelerator for stereotactic radiosurgery treatment | Ning Wen, a, Joshua Kim, Anthony Doemer, Carri Glide-Hurst, Indrin J. Chetty, Chang Liu, Eric Laugeman, Ilma Khaferllari, Akila Kumarasiri, James Victoria, Maria Bellon, Steve Kalkanis, M. Salim Siddiqui, and Benjamin Movsas | ViewRay MRIdian Linac system / MR-Linac | Moldcare + thermoplastic mask with standard head rest |
| 2019/09 | Cancer Medicine Volume 8, Issue 15 | Hypofractionated carbon-ion radiotherapy for stage I peripheral nonsmall cell lung cancer (GUNMA0701): Prospective phase II study | Jun-ichi Saitoh, Katsuyuki Shirai, Tatsuji Mizukami, Takanori Abe, Takeshi Ebara, Tatsuya Ohno, Koichi Minato, Ryusei Saito, Masanobu Yamada, Takashi Nakano | Hypofractionated Carbon Ion Radiotherapy | Moldcare + Sanyo Polymer Industrial Shellfitter thermoplastic shell |
| 2020/03 | Advances in Radiation Oncology Volume 5, Issue 2 | Long-Term Results of High-Dose 2-Fraction Carbon Ion Radiation Therapy for Hepatocellular Carcinoma | Shigeo Yasuda, Hirotohi Kato, Hiroshi Imada, Yuka Isozaki, Goro Kasuya, Hirokazu Makishima, Hiroshi Tsuji, Daniel K. Ebner, Shigeru Yamada, Tadashi Kamada, MD, Hirohiko Tsujii, Naoya Kato, Masaru Miyazaki and the Working Group for Liver Tumor | Carbon Ion Radiotherapy | Moldcare + Kuraray Shellfitter low-temperature thermoplastic sheet |

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