

<Moldcare Research Paper List>
Lung

Year/Month	Magazine, Media or Event	Title	Authors	Part of the Body / Case	Equipment / Treatment Method	Patient Positioning Device set up used during Research
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	Lung	Mitsubishi Electric EXL-20TP / SBRT	Moldcare
2017/04	Journal of Thoracic Oncology Volume 12, Issue 4	A Dose Escalation Clinical Trial of Single-Fraction Carbon Ion Radiotherapy for Peripheral Stage I Non-Small Cell Lung Cancer	Naoyoshi YamamotoMD, PhD, Tadaaki MiyamotoMD, PhD, Mio NakajimaMD, PhD, Masataka KarubeMD, Kazuhiko HayashiMD, PhD, HiroshiTsujiMD, PhD, Hirohiko TsujiiMD, PhD, Tadashi KamadaMD, PhD, TakehikoFujisawaMD, PhD	Lung	Carbon Ion Radiotherapy	Moldcare or Kuraray Shellfitter thermoplastic mask
2017/05	Radiation Oncology 12	Prognostic analysis of radiation pneumonitis: carbon-ion radiotherapy in patients with locally advanced lung cancer	Kazuhiko Hayashi, Naoyoshi Yamamoto, Masataka Karube, Mio Nakajima, Naruhiro Matsufuji, Hiroshi Tsuji, Kazuhiko Ogawa & Tadashi Kamada	Lung	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter thermoplastic
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	Lung	Hypofractionated Carbon Ion Radiotherapy	Moldcare + Sanyo Polymer Industrial Shellfitter thermoplastic shell
2018/03	Cancer Science Volume 109, Issue 5	Feasibility of carbon-ion radiotherapy for re-irradiation of locoregionally recurrent, metastatic, or secondary lung tumors	Kazuhiko Hayashi, Naoyoshi Yamamoto, Masataka Karube, Mio Nakajima, Hiroshi Tsuji, Kazuhiko Ogawa, Tadashi Kamada	Lung	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter thermoplastic
2018/11	Cancer Science Volume 110, Issue 2	Clinical outcomes of carbon-ion radiotherapy for locally advanced non-small-cell lung cancer	Kazuhiko Hayashi, Naoyoshi Yamamoto, Mio Nakajima, Akihiro Nomoto, Hiroshi Tsuji, Kazuhiko Ogawa, Tadashi Kamada	Lung	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter Thermoplastic
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	Lung	Hypofractionated Carbon Ion Radiotherapy	Moldcare + Sanyo Polymer Industrial Shellfitter thermoplastic shell
2020/03	Radiotherapy and Oncology Volume 144	Dose assessment for patients with stage I non-small cell lung cancer receiving passive scattering carbon-ion radiotherapy using daily computed tomographic images: A prospective study	Yang Li, Yoshiki Kubota, Nobuteru Kubo, Tatsuji Mizukami, Makoto Sakai, Hidemasa Kawamura, Daisuke Irie, Naoko Okano, Kazuhisa Tsuda, Akihiko Matsumura, Jun-ichi Saitoh, Takashi Nakano, Tatsuya Ohno	Lung	Carbon Ion Radiotherapy	Moldcare + Sanyo Polymer Industrial Shellfitter body shell
2020/12	Physica Medica Volume 80	Four-dimensional carbon-ion pencil beam treatment planning comparison between robust optimization and range-adapted internal target volume for respiratory-gated liver and lung treatment	Takayuki Kanai, Athena Paz, Wataru Furuichi, Ching-Sheng Liu, Pengbo He, Shinichiro Mori	Lung	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter low-temperature thermoplastic shells
2021/02	Japanese Journal of Radiology Volume 39	Carbon-ion radiotherapy for octogenarians with locally advanced non-small-cell lung cancer	Kazuhiko Hayashi, Naoyoshi Yamamoto, Mio Nakajima, Akihiro Nomoto, Hitoshi Ishikawa, Kazuhiko Ogawa, Hiroshi Tsuji	Lung	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter
2021/06	Cancers Volume 13 (13)	The Risk Factors for Radiation Pneumonitis after Single-Fraction Carbon-Ion Radiotherapy for Lung Cancer or Metastasis	Takashi Ono, Naoyoshi Yamamoto, Akihiro Nomoto, Mio Nakajima, Yuma Iwai, Yuka Isozaki, Goro Kasuya, Hitoshi Ishikawa, Kenji Nemoto and Hiroshi Tsuji	Lung	Carbon Ion Radiotherapy	Moldcare or Kuraray Shellfitter thermoplastic