

<MOLDCARE Research Paper List>
Brain

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
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	Brain	Hypofractionated Stereotactic Radiotherapy	Moldcare + Thermoplastic mask
2008/02	International Journal of Radiation Oncology Biology Physics Volume 70, Issue 2	I-[METHYL-11C] Methionine Positron Emission Tomography for Target Delineation in Malignant Gliomas: Impact on Results of Carbon Ion Radiotherapy	Pawinee Mahasittiwat, Jun-etsu Mizoe, Azusa Hasegawa, Hiroyuki Ishikawa, Kyosan Yoshikawa, Hideyuki Mizuno, Takeshi Yanagi, Ryou Takagi, Pittayapoom Pattaranutaporn, Hirohiko Tsujii	Brain	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter low-temperature thermoplastic shell
2011/06	International Journal of Radiation Oncology Biology Physics Volume 83, Issue 1	Experience With Carbon Ion Radiotherapy for WHO Grade2 Diffuse Astrocytomas	Azusa Hasegawa, Jun-Etsu Mizoe, Hirohiko Tsujii, Tadashi Kamada, Keiichi Jingu, Yasuo Iwadate, Youichi Nakazato, Masao Matsutani, Kintomo Takakura, Organizing Committee of the Central Nervous System Tumor Working Group	Brain	Carbon Ion Radiotherapy	Moldcare + Kuraray Shellfitter low-temperature thermoplastic shell
2015/09	Journal of Applied Clinical Medical Physics Volume 16, Issue 5	Utilization of optical tracking to assess efficacy of intracranial immobilization techniques in proton therapy	Wen C. His, Andries N. Schreuder, Omar Zeidan	Brain	Proton Therapy	Moldcare + Qfix Aqua-plastic masks, Base-of-Skull (BoS) headframe-supine
2017/07	Radiotherapy and Oncology 123 (2017)	Supine craniospinal irradiation in pediatric patients by proton pencilbeam scanning	Paolo Farace, Nicola Bizzocchi, Roberto Righetto, Francesco Fellin, Francesco Fracchiolla, Stefano Lorentini, Lamberto Widesott, Carlo Algranati, Barbara Rombi, Sabina Vennarini, Maurizio Amichetti, Marco Schwarz	Brain	Proton Pencil Beam Scanning	Moldcare + Qfix kVue Standard Insert + Civio Type-S Overlay Proton + Civio MDA Proton Type S-Mask
2020/08	Journal of Applied Clinical Medical Physics Volume, Issue 9	Validation of PTV margin for Gamma Knife Icon frameless treatment using a PseudoPatient® Prime anthropomorphic phantom	Eun Young Han, Parmeswaran Diagaradjane, Dershan Luo, Yao Ding, Georgios Kalaitzakis, Emmanouil Zoros, Kyveli Zourari, Themistoklis Boursianis, Evangelos Pappas, Zhifei Wen, Jihong Wang, Tina Marie Briere	Brain	Elekta Gamma Knife Icon	Moldcare
2022/07	Cancers 2022, 14	Zero Setup Margin Mask versus Frame Immobilization duringGamma Knife® Icon™ Stereotactic Radiosurgery forBrain Metastases	Tugce Kutuk, Rupesh Kotecha, Ranjini Tolakanahalli, D Jay J. Wiczorek, Yongsook C. Lee, Manmeet S. Ahluwalia, Matthew D. Hall, Michael W. McDermott, Haley Appel, Alonso N. Gutierrez, Minesh P. Mehta and Martin C. Tom	Brain	Stereotactic Radiosurgery (SRS)	Moldcare + Elekta Icon Mask Nanor
2022/08	The Pan African Medical Journal 2022; 42	Stereotactic radiosurgery with Cyberknife®: first case in the United Arab Emirates (a case report)	Nandan Maruti Shanbhag, Christos Antypas, Abdul Karim Msaddi, Teekendra Singh, Sinead Catherine Murphy and Benjie Baguitan	Brain	Stereotactic Radiosurgery (SRS)	Moldcare
2023/02	Journal of Applied Clinical Medical Physics	Commissioning, clinical implementation, and initial experience with a new brain tumor treatment package on a low-field MR-linac	Karen Chin Snyder, Weihua Mao, Joshua P. Kim, Justine Cunningham, Indrin J. Chetty, Salim M. Siddiqui, Parag Parikh, Jennifer Dolan	Brain	MR-Linac	Moldcare + Orfit thermoplastic SRS-Fix Mask system