

原著論文

1	① Wataru Okada, Hiroshi Doi, Masao Tanooka, Keisuke Sano, Kenji Nakamura, Yusuke Sakai, Mayuri Shibata, Masahiro Tanaka
	② A first report of tumour-tracking radiotherapy with helical tomotherapy for lung and liver tumours: A double case report.
	③ SAGE Open Medical Medical Case Reports
	④ 9
	⑤ 2021
	⑥ 1-5
	⑦ We present two cases of patients treated with tumour tracking with tomotherapy. This study's findings suggest the clinical use of tumour tracking with tomotherapy.

2	Yusuke Sakai, Masao Tanooka, Wataru Okada, Keisuke Sano, Kenji Nakamura, Mayuri Shibata, Yoshihiro Ueda, Hirokazu Mizuno, Masahiro Tanaka
	① Tanaka
	② Characteristics of a bolus created using thermoplastic sheets for postmastectomy radiation therapy
	③ Radiological Physics and Technology
	④ 14(20)
	⑤ 2021
	⑥ 179-185
	⑦ This study applied a "shell bolus," an immobilizing thermoplastic shell locally thickened with extra layers over the radiation target, during postmastectomy radiation therapy.

学会発表

1	① Keisuke Sano, Shigemi Ogawa, Mayuri Shibata, Wataru Okada, Kenji Nakamura, Yusuke Sakai, Masao Tanooka, Masahiro Tanaka
	② Evaluation of shielding calculation accuracy and optimization simulation of shielding wall using Monte Carlo-based simulations in Tomotherapy
	③ Oral
	④ The 121st Scientific Meeting of the Japan Society of Medical Physics
	⑤ Yokohama
	⑥ 2021/4/18
	⑦ Using the Monte Carlo-based simulation model made it possible to perform calculations closer to the measured values. In addition, the model optimized the shielding wall by performing calculations based on actual irradiation information.

2	① Yusuke Sakai, Masao Tanooka, Hajime Monzen, Mikoto Tamura, Masahiro Tanaka
	② Advantages of Thermoplastic Sheet Bolus in Postmastectomy Radiation Therapy
	③ Oral presentation
	④ THE 21st ASIA-OCEANIA CONGRESS OF MEDICAL PHYSICS
	⑤ Bangladesh
	⑥ 2021/12/10-12
	⑦ This study clarified the advantages of an immobilizing thermoplastic shell as a bolus, named shell bolus for postmastectomy radiation therapy. Shell bolus provides the equivalent bolus effect and higher adhesion compared to conventional gel bolus.

3	① W. Okada, M. Tanooka, H. Doi, K. Sano, M. Shibata, K. Nakamura, Y. Sakai, M. Tanaka
	② Optimal threshold of model parameters for respiratory tracking system with helical tomotherapy
	③ 口演
	④ ESTRO 2021 Congress
	⑤ Web配信方式
	⑥ 2021/8/27-31
	⑦ We investigated optimal threshold of model parameters for respiratory tracking system with helical tomotherapy

4	① S. Tatsuno, H. Doi, W. Okada, E. Inoue, K. Nakamura, K. Sano, Y. Wada, T. Uehara, M. Inada, K. Nakamatsu, K. Monzen, M. Hosono, K. Matsumoto, M. Tanooka, M. Tanaka, Y. Nishimura
	② Previous pneumectomy is a risk factor of severe radiation pneumonitis after IMRT for lung cancer
	③ 口演
	④ ESTRO 2021 Congress
	⑤ Web配信方式
	⑥ 2021/8/27-31
	⑦ We investigated optimal threshold of model parameters for respiratory tracking system with helical tomotherapy

5	① 大熊康央 細野真 土井啓至 稲田正浩 植原拓也 和田祐太郎 立野沙織 植村天受 吉村一宏 福田浩平 井上恵理 松浦知弘 山本豊 岡嶋馨 西村恭昌
	② 去勢抵抗性前立腺癌(CRPC)の骨転移に対するRa-223内用療法における予後因子の検討
	③ ポスター
	④ 日本放射線腫瘍学会総会
	⑤ web(仙台)
	⑥ 2021/11/12~11/14
	⑦ 骨転移を伴う去勢抵抗性前立腺がんのRa-223内用療法において、投与回数、Hb、Ca低値群、PSA、LDH、ALP、BSI高値群でそれぞれ予後不良であることが示唆された。

6	① Hiroshi Doi,Wataru Okada, Keisuke Sano, Kenji Nakamura,Mayuri Shibata, Yusuke Sakai,Masao Tanooka,Shunichi Negoro, Masahiro Tanaka
	② A first report of tumor-tracking radiotherapy with helical tomotherapy for liver tumors
	③ 口演
	④ 第33回日本肝胆膵外科学会学術集会
	⑤ Webライブ配信およびオンデマンド配信
	⑥ 2021/6/2/~6/3
	⑦ We presented the first two clinical cases of tumor-tracking radiotherapy with HT for liver tumors.Motion tracking and compensation system within the Synchrony and Radixact technology ensured clinical safety and efficacy when used to correct respiratory motion.

その他(新聞・TVなど)

1	① 田中 正博
	② Part 1: Motion Synchronization with Radixact - The Initial Experience in Japan
	③ https://www accuray.co.jp/resource-aero
	④ 2021/3/19

2	① 田中正博
	② 「市立病院の得した気分！」-たからづかタウンガイド-
	③ FM宝塚
	④ 2021/3/13

3	① 田中正博
	② がんは切らずに治せます 市立病院の放射線治療最前線
	③ 広報たからづか
	④ 2021/3