

LITERATURE REVIEW



Journal papers
and conference
proceedings that
detail the use of
Vision RT technology.

JOURNAL PAPERS AND CONFERENCE PROCEEDINGS THAT DETAIL THE USE OF VISION RT TECHNOLOGY.

Accuracy

Shun Zhou, et al. (2021).

"Development and Longitudinal Analysis of Plan-Based Streamlined Quality Assurance on Multiple Positioning Guidance Systems With Single Phantom Setup."

[Frontiers in Oncology Volume 11.](#)

Covington EL, Stanley DN, et al. (2020).

"Surface guided imaging during stereotactic radiosurgery with automated delivery."

[Journal of Applied Clinical Medical Physics. 2020 Dec;21\(12\):90-95.](#)

Wiant D, et al. (2019).

"Direct comparison between surface imaging and orthogonal radiographic imaging for SRS localization in phantom."

[J Appl Clin Med Phys 2019; 20:1:137-144](#)

Tang X, et al. (2014).

"Clinical experience with 3-dimensional surface matching-based deep inspiration breath hold for left-sided breast cancer radiation therapy."

[Pract Radiat Oncol 2014;4 \(3\):e151-158.](#)

Gopan, O., et al. (2012).

"Evaluation of the accuracy of a 3D surface imaging system for patient setup in head and neck cancer radiotherapy."

[Int J Radiat Oncol Biol Phys 84\(2\): 547-552.](#)

Breast DIBH

Sauer, et al. (2022)

"Prerequisites for the clinical implementation of a markerless SGRT-only workflow for the treatment of breast cancer patients."

[Strahlenther Onkol \(2022\).](#)

Ibrahim Duhaini, Bilal Shahine, Youssef Zeidan, Abbas Mkanna, Ahmad Maarouf & Mahmoud Korek (2021).

"The effectiveness of the DIBH technique in protecting the heart of radiotherapy breast cancer patients treated at the American University of Beirut Medical Center in Lebanon."

[Health and Technology \(2021\).](#)

Laaksomaa M, et al. (2021).

"Comparison of three differently shaped ROIs in free-breathing breast radiotherapy setup using surface guidance with AlignRT®."

[Medica Journals: ISSN: 1507-1367. e-ISSN: 2083-4640](#)

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"Evaluation of a 3D surface imaging system for deep inspiration breath-hold patient positioning and intra-fraction monitoring."

[Radiat. Oncol. 14\(1\): 125.](#)

Zagar T, et al. (2017).

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[Int J Radiat Oncol Biol Phys 2017;97 \(5\):903-909.](#)

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"Breast cancer therapy-associated cardiovascular disease."

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[Pract Radiat Oncol 2015;5 \(3\):e127-134.](#)

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"SU-F-BRB-03: Quantifying Patient Motion During Deep-Inspiration Breath-Hold Using the ABC System with Simultaneous Surface Photogrammetry."

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[Pract Radiat Oncol 2015;5 \(6\):358-365.](#)

Taylor CW, et al. (2015).

"Exposure of the Heart in Breast Cancer Radiation Therapy: A Systematic Review of Heart Doses Published During 2003 to 2013."

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Breast FB

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"Benchmarking the AlignRT surface deformation module for the early detection and quantification of oedema in breast cancer radiotherapy."

[Technical Innovations & Patient Support in Radiation Oncology, ISSN: 2405-6324, Vol: 21, Page: 16-22](#)

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GateCT / GateRT

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Pediatric

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Proton

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"Comparison of the dosimetric accuracy of proton breast treatment plans delivered with SGRT and CBCT setups."

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Sarcoma

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SBRT / SABR

Kaučić, et al. (2022)

"Stereotactic Body Radiotherapy for Locally Advanced Pancreatic Cancer Using Optical Surface Management System – AlignRT as an Optical Body Surface Motion Management in Deep Breath Hold Patients: Results from a Single-Arm Retrospective Study"

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Other

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[Technical Innovations & Patient Support in Radiation Oncology, ISSN: 2405-6324, Vol: 21, Page: 27-30](#)

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[Technical Innovations & Patient Support in Radiation Oncology, ISSN: 2405-6324, Vol: 20, Page: 61-63](#)

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