

## References

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1. Donovan E, Bleakley N, Denholm E, et al. Randomised trial of standard 2D radiotherapy (RT) versus intensity modulated radiotherapy (IMRT) in patients prescribed breast radiotherapy. *Radiother Oncol*. Mar 2007; 82(3): 254-64. PMID 17224195
2. Pignol JP, Olivetto I, Rakovitch E, et al. A multicenter randomized trial of breast intensity-modulated radiation therapy to reduce acute radiation dermatitis. *J Clin Oncol*. May 01 2008; 26(13): 2085-92. PMID 18285602
3. Shinohara E, Whaley JT. Radiation therapy: which type is right for me? Last reviewed: March 16, 2022. <https://www.oncolink.org/cancer-treatment/radiation/introduction-to-radiation-therapy/radiation-therapy-which-type-is-right-for-me>. Accessed May 20, 2022.
4. Jagsi R, Griffith KA, Moran JM, et al. A Randomized Comparison of Radiation Therapy Techniques in the Management of Node-Positive Breast Cancer: Primary Outcomes Analysis. *Int J Radiat Oncol Biol Phys*. Aug 01 2018; 101(5): 1149-1158. PMID 30012527
5. Kaza E, Dunlop A, Panek R, et al. Lung volume reproducibility under ABC control and self-sustained breath-holding. *J Appl Clin Med Phys*. Mar 2017; 18(2): 154-162. PMID 28300372
6. Coon AB, Dickler A, Kirk MC, et al. Tomotherapy and multifield intensity-modulated radiotherapy planning reduce cardiac doses in left-sided breast cancer patients with unfavorable cardiac anatomy. *Int J Radiat Oncol Biol Phys*. Sep 01 2010; 78(1): 104-10. PMID 20004529
7. Dayes I, Rumble RB, Bowen J, et al. Intensity-modulated radiotherapy in the treatment of breast cancer. *Clin Oncol (R Coll Radiol)*. Sep 2012; 24(7): 488-98. PMID 22748561
8. Pignol JP, Truong P, Rakovitch E, et al. Ten years results of the Canadian breast intensity modulated radiation therapy (IMRT) randomized controlled trial. *Radiother Oncol*. Dec 2016; 121(3): 414-419. PMID 27637858
9. Barnett GC, Wilkinson J, Moody AM, et al. A randomised controlled trial of forward-planned radiotherapy (IMRT) for early breast cancer: baseline characteristics and dosimetry results. *Radiother Oncol*. Jul 2009; 92(1): 34-41. PMID 19375808
10. Barnett GC, Wilkinson JS, Moody AM, et al. Randomized controlled trial of forward-planned intensity modulated radiotherapy for early breast cancer: interim results at 2 years. *Int J Radiat Oncol Biol Phys*. Feb 01 2012; 82(2): 715-23. PMID 21345620

11. Choi KH, Ahn SJ, Jeong JU, et al. Postoperative radiotherapy with intensity-modulated radiation therapy versus 3-dimensional conformal radiotherapy in early breast cancer: A randomized clinical trial of KROG 15-03. *Radiother Oncol.* Jan 2021; 154: 179-186. PMID 32980384
12. Horner-Rieber J, Forster T, Hommertgen A, et al. Intensity Modulated Radiation Therapy (IMRT) With Simultaneously Integrated Boost Shortens Treatment Time and Is Noninferior to Conventional Radiation Therapy Followed by Sequential Boost in Adjuvant Breast Cancer Treatment: Results of a Large Randomized Phase III Trial (IMRT-MC2 Trial). *Int J Radiat Oncol Biol Phys.* Apr 01 2021; 109(5): 1311-1324. PMID 33321192
13. Krug D, Koder C, Hafner MF, et al. Acute toxicity of normofractionated intensity modulated radiotherapy with simultaneous integrated boost compared to three-dimensional conformal radiotherapy with sequential boost in the adjuvant treatment of breast cancer. *Radiat Oncol.* Oct 13 2020; 15(1): 235. PMID 33050920
14. Forster T, Hommertgen A, Hafner MF, et al. Quality of life after simultaneously integrated boost with intensity-modulated versus conventional radiotherapy with sequential boost for adjuvant treatment of breast cancer: 2-year results of the multicenter randomized IMRT-MC2 trial. *Radiother Oncol.* Oct 2021; 163: 165-176. PMID 34480960
15. Hardee ME, Raza S, Becker SJ, et al. Prone hypofractionated whole-breast radiotherapy without a boost to the tumor bed: comparable toxicity of IMRT versus a 3D conformal technique. *Int J Radiat Oncol Biol Phys.* Mar 01 2012; 82(3): e415-23. PMID 22019349
16. Guttmann DM, Gabriel P, Kennedy C, et al. Comparison of acute toxicities between contemporary forward-planned 3D conformal radiotherapy and inverse-planned intensity-modulated radiotherapy for whole breast radiation. *Breast J.* Mar 2018; 24(2): 128-132. PMID 28703444
17. Rudat V, Alaradi AA, Mohamed A, et al. Tangential beam IMRT versus tangential beam 3D-CRT of the chest wall in postmastectomy breast cancer patients: a dosimetric comparison. *Radiat Oncol.* Mar 21 2011; 6: 26. PMID 21418616
18. Rastogi K, Sharma S, Gupta S, et al. Dosimetric comparison of IMRT versus 3DCRT for post-mastectomy chest wall irradiation. *Radiat Oncol J.* Mar 2018; 36(1): 71-78. PMID 29621872
19. Ho AY, Ballangrud A, Li G, et al. Long-Term Pulmonary Outcomes of a Feasibility Study of Inverse-Planned, Multibeam Intensity Modulated Radiation Therapy in Node-Positive Breast Cancer Patients Receiving Regional Nodal Irradiation. *Int J Radiat Oncol Biol Phys.* Apr 01 2019; 103(5): 1100-1108. PMID 30508620

20. Kivanc H, Gultekin M, Gurkaynak M, et al. Dosimetric comparison of three-dimensional conformal radiotherapy and intensity-modulated radiotherapy for left-sided chest wall and lymphatic irradiation. *J Appl Clin Med Phys*. Dec 2019; 20(12): 36-44. PMID 31680445
21. Zhao Y, Zhu J, Zhang X, et al. Integrated IMRT vs segmented 3D-CRT of the chest wall and supraclavicular region for Breast Cancer after modified Radical Mastectomy: An 8-year follow-up. *J Cancer*. 2021; 12(5): 1548-1554. PMID 33532000
22. Bezjak A, Rumble RB, Rodrigues G, et al. Intensity-modulated radiotherapy in the treatment of lung cancer. *Clin Oncol (R Coll Radiol)*. Sep 2012; 24(7): 508-20. PMID 22726417
23. Liao ZX, Komaki RR, Thames HD, et al. Influence of technologic advances on outcomes in patients with unresectable, locally advanced non-small-cell lung cancer receiving concomitant chemoradiotherapy. *Int J Radiat Oncol Biol Phys*. Mar 01 2010; 76(3): 775-81. PMID 19515503
24. Louie AV, Granton PV, Fairchild A, et al. Palliative Radiation for Advanced Central Lung Tumors With Intentional Avoidance of the Esophagus (PROACTIVE): A Phase 3 Randomized Clinical Trial. *JAMA Oncol*. Apr 01 2022; 8(4): 1-7. PMID 35201290
25. Shirvani SM, Juloori A, Allen PK, et al. Comparison of 2 common radiation therapy techniques for definitive treatment of small cell lung cancer. *Int J Radiat Oncol Biol Phys*. Sep 01 2013; 87(1): 139-47. PMID 23920393
26. Harris JP, Murphy JD, Hanlon AL, et al. A population-based comparative effectiveness study of radiation therapy techniques in stage III non-small cell lung cancer. *Int J Radiat Oncol Biol Phys*. Mar 15 2014; 88(4): 872-84. PMID 24495591
27. Ling DC, Hess CB, Chen AM, et al. Comparison of Toxicity Between Intensity-Modulated Radiotherapy and 3-Dimensional Conformal Radiotherapy for Locally Advanced Non-small-cell Lung Cancer. *Clin Lung Cancer*. Jan 2016; 17(1): 18-23. PMID 26303127
28. Chun SG, Hu C, Choy H, et al. Impact of Intensity-Modulated Radiation Therapy Technique for Locally Advanced Non-Small-Cell Lung Cancer: A Secondary Analysis of the NRG Oncology RTOG 0617 Randomized Clinical Trial. *J Clin Oncol*. Jan 2017; 35(1): 56-62. PMID 28034064
29. Koshy M, Malik R, Spiotto M, et al. Association between intensity modulated radiotherapy and survival in patients with stage III non-small cell lung cancer treated with chemoradiotherapy. *Lung Cancer*. Jun 2017; 108: 222-227. PMID 28625640
30. Appel S, Bar J, Ben-Nun A, et al. Comparative effectiveness of intensity modulated radiation therapy to 3-dimensional conformal radiation in locally

- advanced lung cancer: pathological and clinical outcomes. *Br J Radiol*. May 2019; 92(1097): 20180960. PMID 30864828
31. National Comprehensive Cancer Network. NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines): Breast Cancer, Version 3.2022. Updated May 7, 2022. [https://www.nccn.org/professionals/physician\\_gls/pdf/breast.pdf](https://www.nccn.org/professionals/physician_gls/pdf/breast.pdf). Accessed May 20, 2022.
  32. National Comprehensive Cancer Network. NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines): Non-Small Cell Lung Cancer, Version 3.2022. Updated March 16, 2022. [https://www.nccn.org/professionals/physician\\_gls/pdf/nscl.pdf](https://www.nccn.org/professionals/physician_gls/pdf/nscl.pdf). Accessed May 18, 2022.
  33. National Comprehensive Cancer Network. NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines): Small Cell Lung Cancer, Version 2.2022. Updated November 24, 2021. [https://www.nccn.org/professionals/physician\\_gls/pdf/sclc.pdf](https://www.nccn.org/professionals/physician_gls/pdf/sclc.pdf). Accessed May 19, 2022.
  34. Smith BD, Bellon JR, Blitzblau R, et al. Radiation therapy for the whole breast: Executive summary of an American Society for Radiation Oncology (ASTRO) evidence-based guideline. *Pract Radiat Oncol*. May 2018; 8(3): 145-152. PMID 29545124
  35. Moeller B, Balagamwala EH, Chen A, et al. Palliative thoracic radiation therapy for non-small cell lung cancer: 2018 Update of an American Society for Radiation Oncology (ASTRO) Evidence-Based Guideline. *Pract Radiat Oncol*. Jul 2018; 8(4): 245-250. PMID 29625898
  36. Simone CB, Bogart JA, Cabrera AR, et al. Radiation Therapy for Small Cell Lung Cancer: An ASTRO Clinical Practice Guideline. *Pract Radiat Oncol*. May 2020; 10(3): 158-173. PMID 32222430
  37. Recht A, Comen EA, Fine RE, et al. Postmastectomy Radiotherapy: An American Society of Clinical Oncology, American Society for Radiation Oncology, and Society of Surgical Oncology Focused Guideline Update. *Pract Radiat Oncol*. Nov 2016; 6(6): e219-e234. PMID 27659727