

**Table 1: Controlled clinical trials of ozone therapy in cancer**

Source: CAM-Cancer Collaboration. Ozone therapy [online document]. [Ozone therapy | CAM Cancer](#); November 2025.

Outcome	Study	Design & Population	Main findings	Limitations
<b>Survival</b>	Clavo 2004a (Abstract)	Pilot nRCT (n=19), advanced head & neck cancer with radiotherapy	No significant difference in 3-year survival between ozone + RT and RT + chemotherapy	Abstract only; groups not well-matched underpowered
<b>Oral mucositis</b>	Bardellini 2017 (Abstract)	RCT (n=102), children (3–14 yrs) with chemo-induced mucositis	No significant difference in mucositis grade; pain reduction in ozone group (p<0.005)	Abstract only; methodological details lacking.
<b>QoL</b>	He 2015 (Chinese)	RCT (n=120), lung cancer (gemcitabine/cisplatin ± ozone point injection)	Significantly better QoL in ozone group (p<0.01)	Article in Chinese; insufficient detail for appraisal
<b>QoL</b>	Chu 2013 (Chinese)	nRCT (n=65), advanced NSCLC, chemotherapy ± ozone acupoint injection	Improved Karnofsky scores in ozone group (p<0.05)	Article in Chinese; insufficient detail for appraisal
<b>QoL</b>	Borrelli 2012 (Abstract)	RCT (n=40), lung cancer, chemotherapy ± Viscum album + ozone autohaemotherapy	Improved QoL (QLQ-C30); safe when combined with chemotherapy	Abstract only; limited reporting
<b>QoL / tolerance</b>	Menendez 2008	n=70, prostate cancer with cobalt-60 radiotherapy ± rectal ozone	Reduced side effects and improved treatment completion	Very limited reporting; unclear methods or controls
<b>Chemoradiation toxicities</b>	Rodionova 2020/2021 (Abstract)	Two abstracts, n = 20 each; cervical cancer	Ozone + chemoradiation showed reduced GI and hematologic toxicity, faster symptom regression, higher clearance rates	Conference abstracts only; small sample sizes; no peer-reviewed full publication
<b>Lymphoedema, breast cancer</b>	Waked 2013	RCT (n=60), single-blind	Ozone + physical therapy resulted in significantly greater reduction in limb volume and subcutis thickness vs. physical therapy alone.	Blinded for assessor only; less contact with control group.

RCT; randomized controlled trial

nRCT: non-randomized controlled trial

NSCLC: non-small cell lung cancer

QoL: quality of life