

# Checkpoint inhibitors no less safe with radiation

September 29 2017

---



(HealthDay)—Immune-related adverse events (IRAEs), including

pneumonitis, are not more common in patients with metastatic lung cancer who receive both immune checkpoint inhibitors (CPIs) and thoracic radiotherapy (TRT), according to a research letter published online Sept. 28 in *JAMA Oncology*.

William L. Hwang, M.D., Ph.D., from Harvard Medical School in Boston, and colleagues retrospectively studied 164 patients with metastatic lung cancer treated with [programmed cell death 1/programmed cell death 1 ligand 1 \(PD-1/PD-L1\)](#) inhibitors between 2013 and 2016.

The researchers found that rates of grade 2 or higher IRAEs, all-grade pneumonitis, and grade 2 or higher pneumonitis were not significantly different between patients receiving and not receiving TRT. None of the 16 patients who received TRT between CPI cycles or after CPI or had more than one course of TRT developed symptomatic pneumonitis. All-cause mortality was significantly lower in [patients](#) with grade 2 or higher IRAEs (HR, 0.45) and in those treated with fewer chemotherapy lines (HR, 1.21). There was reduced all-cause mortality with TRT, although the reduction was not significant.

"Pending prospective validation, our results suggest that TRT does not significantly increase the risk of symptomatic IRAEs, including pneumonitis, compared with CPIs alone," conclude the authors.

One author disclosed financial ties to the pharmaceutical industry.

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

Copyright © 2017 [HealthDay](#). All rights reserved.

Citation: Checkpoint inhibitors no less safe with radiation (2017, September 29) retrieved 5 May 2024 from <https://medicalxpress.com/news/2017-09-checkpoint-inhibitors-safe.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.