

Second primary malignancy risk increased after cutaneous B-cell lymphoma

April 4 2024, by Elana Gotkine



Patients with primary cutaneous B-cell lymphomas (PCBCLs) have an increased risk for second primary malignancies (SPMs), according to a

study [published](#) online March 19 in the *Journal of the American Academy of Dermatology*.

Lauren Banner, from Thomas Jefferson University in Philadelphia, and colleagues used the Surveillance, Epidemiology, and End Results database from 2000 to 2020 to generate a cohort of 5,435 PCBCL patients to examine their risk for development of subsequent cancers, defined as SPM.

The researchers found that 16% of the patients received diagnoses of a second malignancy, which was higher than in the general population (standardized incidence ratio, 1.54). Women had an increased risk for thyroid, renal, and lung cancers (standardized incidence ratios, 3.06, 2.13, and 1.69, respectively). Men had the highest risk for melanoma, bladder, and [prostate cancers](#) (standardized incidence ratios, 1.49, 1.42, and 1.29, respectively).

The risks for all SPMs were highest within the first year of PCBCL diagnosis and decreased with time (standardized incidence ratios within the first year: 21.11 for [thyroid cancer](#) for [women](#); 2.09 for prostate cancer for men). The risk for all SPMs decreased with patient age; a threefold higher risk for all SPMs was seen for patients aged 40 to 49 years (standardized incidence ratio, 3.07).

"Dermatologists may educate PCBCL [patients](#) on the symptoms and screening guidelines for these six malignancies and refer for further consultation if concerning symptoms are present," the authors write.

More information: Lauren Banner et al, Increased incidence of thyroid, renal, lung, melanoma, bladder, and prostate cancers after diagnosis of primary cutaneous B-cell lymphoma: A SEER database

analysis, *Journal of the American Academy of Dermatology* (2024). [DOI: 10.1016/j.jaad.2024.03.013](https://doi.org/10.1016/j.jaad.2024.03.013)

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