

Novel index IDs prognosis in adults with Burkitt lymphoma

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(HealthDay)—The Burkitt lymphoma (BL) International Prognostic

Index (BL-IPI) provides robust discrimination of survival and can be used for prognostication, according to a study published online Jan. 27 in the *Journal of Clinical Oncology*.

Adam J. Olszewski, M.D., from the Warren Alpert Medical School of Brown University in Providence, Rhode Island, and colleagues derived the BL-IPI from real-world data from [adult patients](#) with BL treated with immunochemotherapy in the United States between 2009 and 2018. Candidate variables that showed the strongest prognostic association with [progression-free survival](#) (PFS) were identified.

The researchers found that factors with an independent prognostic value identified from the derivation cohort of 633 patients with BL were age ≥ 40 years, performance status ≥ 2 , serum lactate dehydrogenase > 3 times upper limit of normal, and central nervous system involvement. The resulting BL-IPI identified groups with low, intermediate, and high risk (zero, one, and two or more [risk factors](#) [18, 36, and 46 percent of patients, respectively]), with three-year PFS estimates of 92, 72, and 53 percent, respectively, and three-year overall survival estimates of 96, 76, and 59 percent, respectively. In the validation cohort of 457 patients, patient characteristics, size of BL-IPI groups, and outcome discrimination were consistent, with three-year PFS estimates of 96, 82, and 63 percent for low-, intermediate-, and high-risk BL-IPIs, respectively.

"This novel, validated index can help clinicians more accurately identify a prognosis for their adult Burkitt lymphoma patients, as well as advance targeted clinical research studies," Olszewski said in a statement.

Several authors disclosed financial ties to the biopharmaceutical industry.

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