

Evaluation of Tumor-Infiltrating Lymphocytes in Breast Carcinoma: Correlation with Molecular Subtypes and Clinicopathological Parameters

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Abstract : Tumor-infiltrating lymphocytes (TILs) are indicative of the local immune response against tumor proliferation and metastasis. Emerging as a significant marker of immune reactivity, TILs are utilized to evaluate prognostic outcomes across various malignancies, including colon, ovarian, lung, bladder, and breast cancers. In breast cancer (BC), TILs are particularly relevant for assessing tumor response to therapy in both adjuvant and neoadjuvant settings, with a prominent role in triple-negative breast cancer (TNBC), where they have been associated with improved outcomes. As such, TILs are recognized as an independent marker of favorable prognosis in several tumor types, underscoring their potential as a tool in personalized cancer therapy.

Keywords : breast cancer, intratumoral TIL, stromal TIL, tumor infiltrating lymphocytes

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