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# Basic Perspectives of Transcriptomes in Lymphoma

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## INTRODUCTION

Distinguishing between inflammatory bowel disease and intestinal small cell lymphoma in cats can be difficult, and some clinicians argue that it is not necessary because of the similar prognosis and treatment. Differentiating between inflammatory bowel disease and intestinal small cell lymphoma can be difficult and some clinicians argue that it is not necessary because prognosis and treatment are similar. Although research on this topic has increased over time, little is still known about the etiology, progression, alternative treatments, and prognosis of his FCE in its various forms. High-resolution transcriptome studies by single-cell RNA sequencing have revealed the heterogeneity and functionality of different microenvironments in a large number of solid tumours. These pioneering studies have highlighted various cellular signatures that correlate with clinical response to immune checkpoint inhibitors. scRNA-Seq also provides a unique opportunity to uncover the intimate heterogeneity of ecosystems across different lymphoma entities. This review first addresses the basics and future development of the technology, from determining cell of origin and functional diversity, to monitoring targeted anticancer effects on drugs and toxicities, and how new, describes their contribution to the field of translational lymphoma research. Improvements in both data acquisition and interpretation will continue to advance precision medicine.

## DESCRIPTION

Iris lymphoma is a rare malignant neoplasm that occurs as a primary tumour of the iris or a secondary tumour involving the iris. We summarize previously published data and provide recommendations for work-up strategies in suspected cases of iris lymphoma. Our aim is to provide a structured overview of typical clinical manifestations and signs, pathologic, ophthalmologic, and hematological examinations for the diagnosis, treatment, and follow-up of iris lymphoma, and to provide a diagnosis and treatment guideline.

Gut-Associated Lymphoid Tissue (GALT), whose major part is located in the ileocolic region, contains lymphocytes of the gastrointestinal tract and confers specific immune responses. Repetitive antigenic stimulation of these cells predisposes to monoclonal proliferation of this tissue and eventual development of lymphoma. The gastrointestinal tract is the most commonly affected site of extranodal lymphoma. This review focuses primarily on lymphomas of the ileocolonic region (defined as terminal ileum, colon, and rectum). It describes epidemiology, etiology, manifestations, and current practice in diagnosis and management. Malignant Tumor-Induced Lactic Acidosis (MILA), a rare paraneoplastic phenomenon, is most frequently described in haematological malignancies (lymphoma and leukemia), but has also been reported in solid tumors. This is a subtype of type B lactic acidosis mediated without evidence of tissue hypo perfusion. Lymphoma-induced lactic acidosis is often considered an oncological emergency and is associated with an increased risk of mortality and poor prognosis. It has a complex pathophysiology centered around the 'Warburg effect'. H. Program cancer cells to rely on aerobic glycolysis to promote proliferation and anabolic growth. Treatment of lymphoma-induced lactic acidosis focuses on the prompt administration of chemotherapy. The role of alkaline therapy in this setting is controversial and has limited proven benefit in potentially exacerbating lactic acidosis.

## CONCLUSION

Primary Splenic Lymphoma (PSL) is a rare malignancy that accounts for approximately 1% of all lympho proliferative disorders, using a strict definition that allows only splenic and hilar lymph node involvement. In contrast, secondary low-grade B-cell lymphomas of the spleen, such as Follicular Lymphoma (FL), lymphocytic lymphoma, and chronic lymphocytic leukemia/small lymphocytic lymphoma, are more common, especially in advanced disease. CD10-expressing indolent B-cell lymphomas most often represent FL and their primary splen-

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ic morphology is the focus of this review. Primary Follicular Lymphoma of the spleen (PSFL) is extremely rare. This type of lymphoproliferative disorder is poorly studied and is most often characterized clinically by cytopenias associated with splenomegaly or hypersplenism.

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## CONFLICTS OF INTERESTS

The authors declare that they have no conflict of interest.

## REFERENCES

1. Doval DC, Bhurani D, Nair R (2017) Indian Council of Medical Research Consensus Document for the management of non-hodgkin lymphoma. Indian J Med Pediatr Oncol 38: 51-8.
2. Martin AR, Weisenburger DD, Chan WC (1995) Prognostic value of cellular proliferation and histologic grade in follicular lymphoma. Blood 85: 3671-3678.
3. Raghavan SC, Swanson PC, Wu X (2004) A non-B-DNA structure at the Bcl-2 major breakpoint region is cleaved by the RAG complex. Nature 4: 88-93.
4. Nair R, Arora N, Mallath MK (2016) Epidemiology of non-hodgkins lymphoma in India. Oncology 91: 18-25.