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# Thoracic Neuroendocrine Tumors and the Role of Emerging Therapies

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# **Message from the Guest Editors**

Thoracic Neuroendocrine Tumors (NETs) are classified into well-differentiated (low-grade typical carcinoids [TCs] and intermediate-grade atypical carcinoids [ACs]) and poorly differentiated (high-grade large cell neuroendocrine carcinoma LCNEC) or small cell lung carcinoma (SCLC) neuroendocrine carcinoma. Despite the increasing incidence of thoracic NETS, awareness [1] and the development of personalized approach therapies in these patients lag.

Effective systemic therapies for patients with advanced, progressive neuroendocrine lung tumors are very rare. However, recently, everolimus was associated with significant improvement in progression-free survival in patients with progressive lung neuroendocrine tumors [3]. Further drug development is needed.

To date, there is only one biomarker-based clinical trial, S1929, in the poorly differentiated NETs; SCLC that has recently completed enrollment for screening, that attempts to stratify patients with SCLC to receive PARP inhibitor based on SLFN11 that is expressed by more than half of patients with SCLC. Further knowledge of predictive factors and novel therapies is needed.













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## **Message from the Editor-in-Chief**

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