

Special Issue

Clinical Therapeutics of Non-small Cell Lung Cancer

Message from the Guest Editors

The recent development of less-invasive surgical techniques such as video-assisted, robot-assisted, and port-reduced thoracic surgery for non-small-cell lung cancer (NSCLC) has made remarkable progress in efficacy and safety. Targeted therapies for metastatic or advanced NSCLCs have also shown remarkable development. Recent guideline-consistent recommendations are to check for driver gene mutations or PD-L1 status for those NSCLCs. As for the perioperative treatment of NSCLC, molecular targeted medicine and immune-checkpoint inhibitors are to be considered instead of conventional chemotherapy and chemoradiotherapy. For example, in the ADAURA clinical trial (NCT02511106), adjuvant osimertinib conferred a significant survival benefit in patients with IB to IIIA EGFR-mutation-positive NSCLC. Therefore, the application of these targeted drugs to earlier stages with completely resectable NSCLCs might confer a surprising survival benefit. The focus of this Special Issue will be current outcomes or featured topics concerning the surgical treatment of NSCLCs in conjunction with analyses of cancer microenvironments.

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