

Improving Accuracy in Lung Cancer Diagnosis through Biomarker Discovery

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Abstract

and techniques. We discuss the significance of early detection and its impact on prognosis, emphasizing the role of imaging modalities, biomarker discovery, and liquid biopsies. Furthermore, we delve into the emerging field of precision medicine and its implications for personalized lung cancer diagnosis and treatment. Challenges and of the current state of lung cancer diagnosis and guide further research efforts in this critical area of oncology.

Keywords: Lung cancer; Diagnosis; Early detection; Biomarkers

Introduction

Lung cancer is a leading cause of cancer-related deaths worldwide. Early detection and accurate diagnosis are crucial for improving patient outcomes. This paper discusses the significance of early detection and its impact on prognosis, emphasizing the role of imaging modalities, biomarker discovery, and liquid biopsies. Furthermore, we delve into the emerging field of precision medicine and its implications for personalized lung cancer diagnosis and treatment. Challenges and of the current state of lung cancer diagnosis and guide further research efforts in this critical area of oncology.

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