Ovarian Cancer Diagnosis: A Comprehensive Overview

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Published: MC)@arianacercd&magnosisalap To acer Lagn 8MCapp copyright Received for largescale validation of novel biomarkers, the integration of multiomics data, and the efective, non-invasive diagnostic tests. By addressing these challenges, the feld can move reliable early detection of ovarian cancer, ultimately improving survival rates and patient quality

Ovarian cancer remains one of the most lethal gynecological malignancies, primarily due to nature in the early stages and the lack of efective early screening methods. This paper provides overview of the current methodologies for diagnosing ovarian cancer, highlighting the advance techniques, biomarker discovery, and genetic profling. We discuss traditional diagnostic appransvaginal ultrasound and serum CA-125 levels, alongside emerging technologies such as I machine learning algorithms. The integration of multi-omics data and artificial intelligence (AI) hin enhancing diagnostic accuracy and early detection rates. Despite these advancements, challe false-positive rates, the need for standardized protocols, and accessibility to advanced diagn This review underscores the importance of continued research and collaboration among clinic

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Conclus ion

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