

Research Article Open Access

ess to screen vical cancer.			

Keywords: Cervical cancer; Diagnosis; Pap test; Biopsy; Molecular testing; Liquid-based cytology; Molecular imaging

Introduction

Cervical cancer is a major public health problem a ecting women worldwide, with over 500,000 new cases and 300,000 deaths reported annually. Early detection and treatment of cervical cancer are crucial for improved outcomes, making accurate diagnosis essential. In recent years, advancements in medical technology and increased understanding of cervical cancer have led to improved methods of diagnosis. is article aims to provide an overview of the diagnostic process and the di erent methods used in cervical cancer diagnosis. e diagnostic process for cervical cancer typically involves a combination of medical history, physical examination, and diagnostic tests.

Citation: Pavlidis L (2023) Comprehensive Diagnostic V Diagnostic Tests. J Cancer Diagn 7: 182.		
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e diagnosis of recurrence in this study relied on various factors, including patient-reported symptoms, physical examinations, imaging tests, and serum biomarker analysis. When a patient was diagnosed with recurrence using a speci c method, that method was considered		
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Discussion

e accurate diagnosis of cervical cancer is crucial for early detection and prompt treatment, which can signi cantly improve patient outcomes. e diagnostic process for cervical cancer typically involves a combination of medical history, physical examination, and diagnostic tests, including the Pap test, HPV testing, and colposcopy. e Pap test is a highly e ective screening test for cervical cancer, with a sensitivity of up to 90%. e HPV test is recommended for women over 30 years of age, as HPV infections are more common in younger women and o en clear on their own. In cases where abnormal Pap test results or positive HPV test results are detected, colposcopy is used to further evaluate the cervix and take samples for biopsy [16].

Our study found that the Pap test and HPV test had high sensitivity and speci city in diagnosing cervical cancer, with PPVs and NPVs that were consistent with previous studies. e use of colposcopy and biopsy provided additional diagnostic information and con rmed the presence of cervical cancer in patients with abnormal Pap test results or positive HPV test results. Imaging studies, such as MRI, CT, and PET scans, are also useful in the diagnosis of cervical cancer, particularly in cases where the cancer has spread beyond the cervix. Our study found that these imaging modalities had high sensitivity and speci city in detecting cervical cancer, with PPVs and NPVs that were consistent with previous studies [17].

E ective cervical cancer diagnosis requires a multidisciplinary approach involving healthcare providers, pathologists, and radiologists. Our study highlights the importance of a comprehensive diagnostic workup for cervical cancer, which includes a combination of medical history, physical examination, and diagnostic tests, as well as imaging studies when necessary. Limitations of our study include the relatively small sample size and the fact that it was conducted at a single center. Further studies with larger sample sizes and multicenter collaborations are needed to con rm the diagnostic accuracy of these tests and imaging modalities [18].

In addition to the diagnostic tests discussed in our study, there are also emerging technologies that show promise in improving cervical cancer diagnosis. For example, liquid-based cytology and molecular testing are being explored as alternatives to the traditional Pap test, with some studies showing improved sensitivity and speci city. Furthermore, molecular imaging using radiotracers that target speci c biological pathways in cancer cells, such as glucose metabolism or angiogenesis, may also have a role in the diagnosis and staging of

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- Huang ZW, McWilliams A, Lui H, McLean DI, Lam S, et al. (2003) Near-infrared Raman spectroscopy for optical diagnosis of lung cancer. Int J Cancer 107: 1047-1052.
- Bergholt MS, Zheng W, Lin K (2011) In vivo diagnosis of gastric cancer using Raman endoscopy and ant colony optimization techniques. Int J Cancer 128: 2673-2680.
- Haka AS, Volynskaya Z, Gardecki JA (2006) In vivo margin assessment during partial mastectomy breast surgery using Raman spectroscopy. Cancer Res 66: 3317-3322.
- Pectasides D, Pectasides M, Nikolaou M (2005) Adjuvant and neoadjuvant chemotherapy in muscle invasive bladder cancer. Eur Urol 48: 60-67.
- 20. Rudin CM, Brambilla E, Faivre-Finn C, Sage J (2021) Small-cell lung cancer. Nat Rev Dis Primers 17: 3.