

IT'S MORE THAN A TEST. IT'S STRATIFYING THE RISK OF OVARIAN MALIGNANCY.

Improving the patient journey through biomarker utilization in the risk assessment and disease management of epithelial ovarian cancer is crucial.



Ovarian cancer is the third most common gynecological cancer and is **most common in postmenopausal women**^{1,2} The average **five-year survival rate** following diagnosis across all stages is **46%**³



~90% of primary ovarian malignancies originate from epithelial cells⁴

In 2020, ovarian cancer was attributable to more than 313,000 cancer cases and 207,000 deaths globally²
By 2040, it is estimated that the global incidence and mortality of ovarian cancer will rise to over 445,000 and 313,000, respectively⁵

Although ovarian adnexal masses are common, **up to 40% are malignant upon surgical evaluation**.³ Information determining the likelihood of malignancy of pelvic masses is crucial for proper patient referral and management.⁶⁻⁸



* The risk of ovarian malignancy algorithm (ROMA) is used to aid in the assessment of risk of epithelial ovarian cancer in patients presenting with an adnexal mass who will undergo surgical intervention. The results must be interpreted in conjunction with other methods in accordance with standard clinical management guidelines.^{9,11}

 \dagger Appropriate referral to a GYN/ONC is associated with improved overall survival rates.1

When ovarian cancer is diagnosed at the earliest stage, the average 5-year survival prognosis is 93%.¹³ However, **only 20% of cases are detected at an early stage**.¹⁴

DIAGNOSIS IS OFTEN HINDERED BY:^{1,6,15–17}

NONSPECIFIC SYMPTOMS – EVEN IN ADVANCED DISEASE

LOW SPECIFICITY OF IMAGING METHODS

TUMOR BIOMARKERS CAN SUPPORT WITH:^{1,9,10}

- Risk stratification in patients presenting with adnexal mass
- Tracking treatment response
- The monitoring of disease progression or recurrence

KNOW MORE WITH HE4

Although CA 125 is widely utilized to support the evaluation and management of ovarian cancer, serum levels are often elevated in benign conditions such as endometriosis and normal in up to 50% of patients with stage 1 ovarian cancer.³

Incorporating HE4 into your current clinical evaluation pathway provides additional information when presurgically assessing an adnexal mass, as well as monitoring disease progression and recurrence in patients with invasive epithelial ovarian cancer.⁹ The combination of HE4 and CA 125 is a more accurate predictor of adnexal mass malignancy than either marker alone.^{9–12} The results must be interpreted in conjunction with other methods in accordance with standard clinical management guidelines.^{9,11}

HE4

- HE4 is less frequently elevated in benign gynecological conditions, such as endometriosis, than CA 125 due to its higher specificity.³
- Expressed in 20% of ovarian cancer patients even in the absence of elevated CA 125 levels.^{18,19}

EARLY AND APPROPRIATE REFERRAL TO GYNECOLOGICAL ONCOLOGISTS HAS THE POTENTIAL TO IMPROVE PATIENT CARE, DISEASE MANAGEMENT AND SURVIVAL RATES IN PATIENTS WITH EPITHELIAL OVARIAN CANCER.

Discover how the utilization of biomarkers can help physicians to further stratify the risk of ovarian malignancy in patients who present with an adnexal mass.

REFERENCE

- cancer in the world: epidemiology and risk factors. Int J Womens Health. 2019;11:287-299. doi:10.2147/IJWH.S197604
- Sung H, et al. Global cancer statistics 2020: GLOBOCAN estimates of incidence and mortality worldwide for 36 cancers in 185 countries CA Cancer J Clin. 2021 May;71(3):209-249. doi: 10.3322/caac.21660
- Dochez V, Biomarkers and algorithms for diagnosis of ovarian cancer: CA125, HE4, RMI and ROMA, a review. J Ovarian Res. 2019;12(1):28.
- Feb 2023. Accessed from: https://www.cancerresearchuk.org/ about-cancer/ovarian-cancer/types/epithelial-ovarian-cancers/ epithelial#:~:text=Epithelial%20ovarian%20cancer%20is%20 the,ovary%20(90%25)%20are%20epithelial
- the, ovary%20(90%25)%20are%20epithelial International Agency for Research on Cancer. World Health Organisation. Cancer Tomorrow. Estimated numbers from 2020 to 2040, Females, age [0-85+] Ovary. 2020. Last accessed: Feb 2023. Accessed from: https://gco.iarc.fr/tomorrow/en/ dataviz/trends?types=0_1&sexes=2&mode=population&group_ populations=0&multiple_populations=1&multiple_ cancers=0&cancers=25&populations=900
- Cui R, et al. Clinical value of ROMA index in diagnosis of ovarian cancer: meta-analysis. Cancer Manag Res. 2019;11:2545- 2551. doi:10.2147/CMAR.S199400

- ARCHITECT HE4 [package insert]. November 2015. 600-032 11/15/ R07
- Moore RG, Brown AK, Miller MC, et al. The use of multiple novel tumor biomarkers for the detection of ovarian carcinoma in patients with a pelvic mass. Gynecol Oncol 2008;108:402-408 Ovarian Cancer Research Alliance (OCRA). Stages of Ovarian Cancer. Last Accessed: Feb 2023. Accessed From: https://ocrahope.org/get-the-facts/staging/#:~:text=Most%20women%20with%20Stage%20 1,in%20any%20particular%20person's%20case.

