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Name of Journal: *World Journal of Clinical Oncology*

Manuscript No: 53402

Manuscript Type: ORIGINAL ARTICLE

Retrospective cohort study

Preoperative markers for the prediction of high-risk features in endometrial cancer

Panyavaranant P *et al.* Preoperative CA125, HE4 in endometrial cancer

Pinyada Panyavaranant, Tarinee Manchana

Abstract

BACKGROUND

Preoperative evaluations aiming to assess high-risk features in clinical stage 1 endometrial cancer patients are crucial to refer these patients to gynecologic oncologists. ² Cancer antigen 125 (CA125) and human epididymis protein 4 (HE4) have been reported in endometrial cancer patients with poor prognostic factors.

Preoperative CA125 and HE4 level for prediction of high



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HE4 and CA125 levels in the **preoperative assessment** of endometrial cancer patients: a prospective multicenter study (ENDOMET) **Sofie L. Antonsen**, Department of Gynecology and Obstetrics, Section 4232, Rigshospitalet, Copenhagen University Hospital, Blegdamsvej 9, **2100 København Ø**, Denmark.

Cited by: 29

Author: Sofie Leisby Antonsen, Estrid Vilma Soly...

Publish Year: 2013

HE4 and CA125 levels in the preoperative assessment of ...

<https://obgyn.onlinelibrary.wiley.com/doi/full/10.1111/aogs.12235>

Human epididymis protein 4 and **CA125** are significantly elevated in endometrial cancer patients who are characterized by **clinical high-risk factors**. Combining the markers is beneficial for the **preoperative evaluation** of women with endometrial cancer.

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Background: The current model used to **preoperatively stratify endometrial cancer** (EC) patients into low- and **high-risk groups** is based on histotype, grade, and imaging method and is not optimal. Our study aims to prove whether a new model incorporating **immunohistochemical markers**, L1CAM, ER, PR, p53, obtained from **preoperative biopsy** could help refine stratification and thus the choice of adequate surgical extent and appropriate **adjuvant treatment**.

Author: Vit Weinberger, Marketa Bednarikova, Ji... **Publish Year:** 2019

[Frontiers | A Novel Approach to Preoperative Risk ...](https://www.frontiersin.org/articles/10.3389/fonc.2019.00265)

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Apr 12, 2019 · Background: The current model used to preoperatively stratify **endometrial cancer** (EC) patients into low- and **high-risk groups** is based on histotype, grade, and imaging method and is not optimal. Our study aims to prove whether a new model incorporating immunohistochemical **markers**, L1CAM, ER, PR, p53, obtained from **preoperative biopsy** could help refine stratification and thus the ...

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[Preoperative CA125 and fibrinogen in patients with ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5323282)

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Thus far, no specific **serum tumor markers** have been established for **uterine endometrial carcinoma**. It remains controversial whether the expression level of CA125 before **surgery** can **predict lymph node metastasis** in patients with EC.

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[Frontiers | A Novel Approach to Preoperative Risk ...](#)

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Apr 12, 2019 · It is clear the prognostic markers currently used (**FIGO stage**, **tumor subtype**, and **histological grade**) are far from optimal in terms of preoperative stratification of patients into low- or high-risk groups regarding **surgical planning** and **adjuvant treatment**. One of the currently used prognostic markers is **FIGO stage**.

Author: Vit Weinberger, Marketa Bednarikova,... **Publish Year:** 2019

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Jun 11, 2019 · Population of 100 patients with **endometrial carcinoma** with a **population risk** of approximately 10% on lymph node metastasis (LNM). **Risk stratification** based on **preoperative tumor**