REAL-WORLD PATIENT CHARACTERISTICS AND INITIAL MANAGEMENT FOR EARLY AND LOCALLY ADVANCED ENDOMETRIAL CANCER IN GREECE: RESULTS OF THE RETROSPECTIVE

Poster # AA022

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Background

 In view of the evolving treatment landscape of endometrial cancer (EC) and the shift to a molecular-based recurrence risk classification, real-world data are essential for characterizing patient profiles and enhancing the understanding of risk-stratification algorithms that guide initial management strategies (IMS).

'LAVENDER' STUDY

 The aim of this study was to capture real-world treatment practice (IMS), utilization of systematic adjuvant therapy, patient characteristics and recurrence rate, in the overall study population and in the physiciandetermined risk groups, among patients diagnosed with early stage or locally advanced (ES/LA) operable EC during 2020 in Greece

Methods

- LAVENDER was a multicenter, retrospective, chart review study, based on secondary data collection.
- · A total of 200 patients newly diagnosed with ES/LA EC who had undergone their primary surgical treatment between 01 January 2020 and 31 December 2020 (index period) were planned to be included.
- The study design, eligibility criteria, and objectives are shown in Figure 1
- All alive patients provided written informed consent, while a waiver of consent was granted by the site Institutional Review Boards for deceased patients

Figure 1. Study design



- b) disease recurrence (if no treatment had been/planned to be administered for recurrent disease;
- excluding best supportive care);
- c) Informed consent obtainment (for patients who were alive at study inclusion); d) death (applicable for patients who were deceased at study inclusion

Inclusion criteria

 Adult female patients newly diagnosed with ES or LA histologically confirmed EC, who underwent their primary curative surgery between 01-Jan-2020 and 31-Dec-2020 (both dates inclusive), who were disease-free postoperatively (i.e., no evidence of locoregional disease or distant metastasis), and with sufficient available medical records for data abstraction to meet the study objectives.

Exclusion criteria

Patients who had stage IVB tumors with persistent/recurrent disease at their first postoperative imaging, and patients who participated in any investigational program/interventional clinical trial for initial EC management.

Primary objectives presented herein

- To describe the rate and patterns of utilisation of (neo)adjuvant therapy (ST and/or RT), as part of IMS.
- To describe the **patient and disease characteristics**.

Secondary objectives presented herein

- To describe the **rate** and **patterns** of 1st disease recurrence after primary surgical treatment for EC.
- Study objectives were assessed in the overall study population and in the subpopulations by physiciandetermined risk of disease recurrence*.
- * It is noted that the guidelines that were available during the study-specific index period included the "2016" ESMO/ESGO/ESTRO Consensus Conference on EC" 1 and the "2021 ESGO/ESTRO/ESP guidelines for the management of patients with EC" 2.
- Initial management strategy (IMS) refers to:

the sequence of all different treatment modalities [primary curative surgery, systemic pharmacologic therapy (ST), and radiation therapy (RT)] administered (in any setting, including neoadjuvant and adjuvant) from the date of confirmation of initial EC diagnosis until the earliest date of 1st disease recurrence, IC obtainment, or death. Supportive treatments were excluded

Statistical considerations

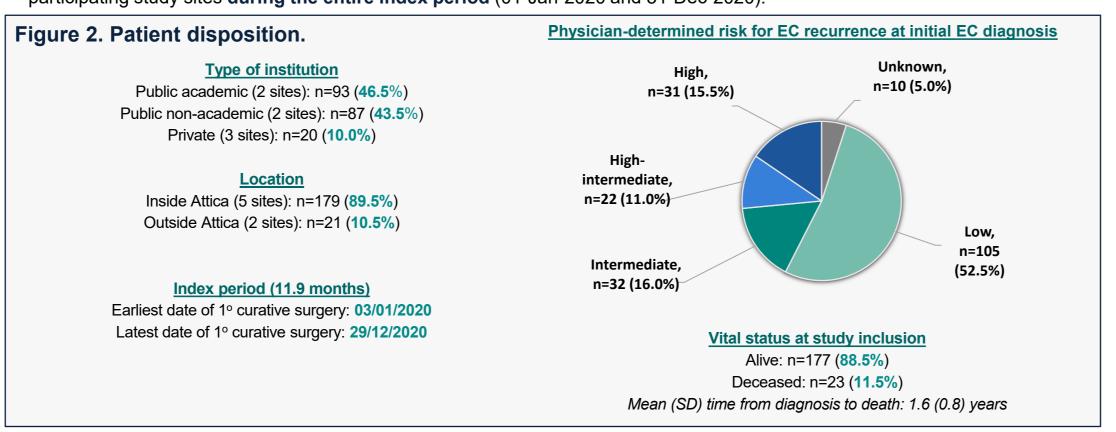
- The normality of distribution of continuous variables was examined with the Shapiro-Wilk test.
- Summary statistics of continuous variables are presented as mean and standard deviation (SD) when data follow a normal distribution; otherwise, the median and interquartile range (IQR) is presented. For variables not following a normal distribution in ≥1 of the study (sub)populations, a uniform presentation of median (IQR) was applied.
- No imputation of missing data was performed except for partially missing dates.
- Statistical analyses were performed using SAS® software (version 9.4).

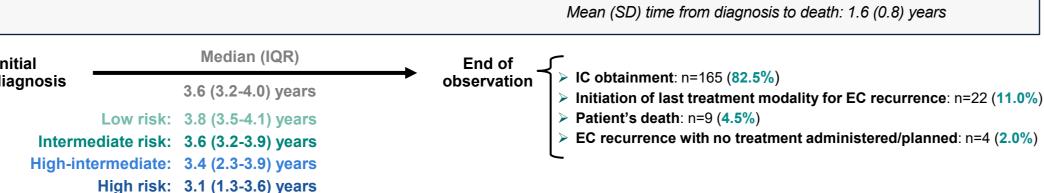
LVSI, Lymphovascular Space Invasion; n, number of patients with variable; N, number of patients with available data. *Within 3 months of initial EC diagnosis. Presented at 31st Hellenic Conference of Clinical Oncology (HeSMO 2025), Athens; April 09 - 12,

Results

Patient disposition

- Between 29-Sep-2023 (First Patient In) and 23-Jul-2024 (Last Patient In), a total of 206 patients were consecutively included by Medical Oncologists/Gynecologists practicing in 7 hospital clinics
- Six patients did not fulfill all study eligibility criteria. Thus, 200 eligible patients comprised the Full Analysis Set population.
- The overall study population represented 97.1% (200/206) of all ES/LA EC cases undergoing primary curative surgery at the participating study sites during the entire index period (01-Jan-2020 and 31-Dec-2020)





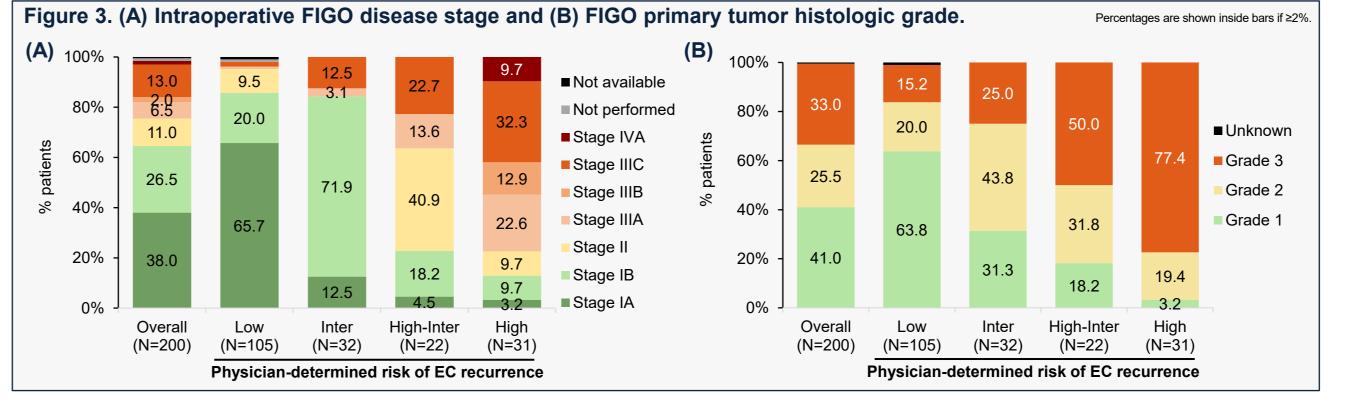
Patient profile

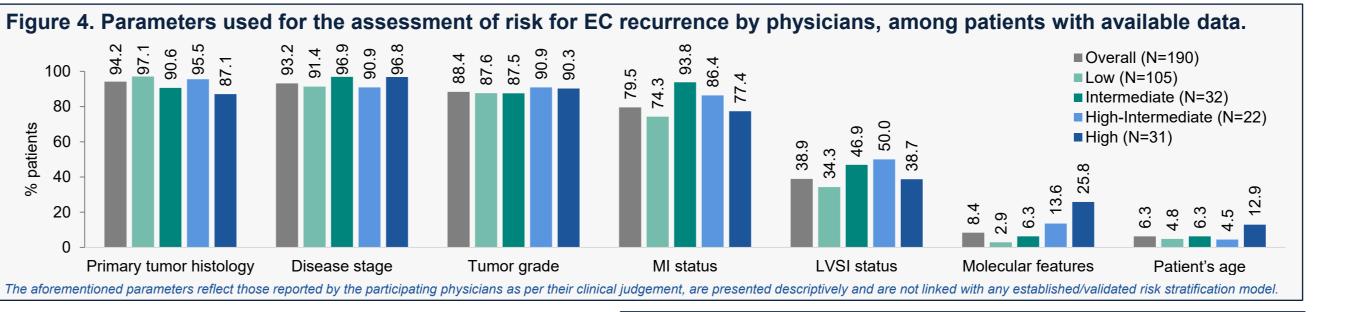
Table 1. Patient and disease characteristics

at initial EC diagnosis*.		Overall (N=200)	Physician-determined risk of EC recurrence at initial diagnosis			
			Low (N=105)	Intermediate (N=32)	High- Intermediate (N=22)	High (N=31)
Patient characteristics						
Age at initial EC diagnosis (years)	Mean (SD) ≥65 years, % (n/N)	63.6 (10.7) 48.5 (97/206)	62.4 (10.6) 42.9 (45/105)	62.2 (9.2) 40.6 (13/32)	67.5 (13.1) 72.7 (16/22)	65.7 (9.6) 58.1 (18/31)
Employed, % (n/N)		22.5 (20/89)	33.3 (14/42)	27.8 (5/18)	7.1 (1/14)	
Ever-smokers, % (n/N)		36.9 (52/141)	38.2 (26/68)	32.0 (8/25)	61.1 (11/18)	25.0 (6/24)
Health insurance coverage, % (n/N)		99.2 (131/132)	100.0 (64/64)	100.0 (21/21)	100.0 (16/16)	100.0 (22/22)
BMI (kg/m²)	Median (IQR)	30.4 (24.8-35.7)	31.2 (24.8-36.5)	31.3 (25.2-35.9)	29.4 (25.8-31.6)	29.4 (23.7-34.5)
	Obese (≥30kg/m²), % (n/N)	54.1 (72/133)	52.6 (30/57)	61.5 (16/26)	50.0 (9/18)	50.0 (13/26)
ECOG PS, % (n/N)	PS 0	83.6 (112/134)	90.7 (49/54)	85.2 (23/27)	70.6 (12/17)	73.1 (19/26)
	PS 1	10.4 (14/134)	9.3 (5/54)	3.7 (1/27)	23.5 (4/17)	15.4 (4/26)
	PS≥2	6.0 (8/134)	·	11.1 (3/27)	5.9 (1/17)	11.5 (3/26)
Family history of cancer in first-degree relatives, % (n/N)		40.3 (58/144)	37.1 (26/70)	56.0 (14/25)	33.3 (6/18)	37.5 (9/24)
Clinically significant medical/surgical history comorbid conditions other than EC (past/active), % (n/N)		40.8 (69/169)	40.7 (35/86)	18.5 (5/27)	47.4 (9/19)	44.8 (13/29)
	Hypertension	17.8 (30/169)	18.6 (16/86)	11.1 (3/27)	26.3 (5/19)	13.8 (4/29)
Most frequent (≥5.0%) conditions, % (n/N)	Hypothyroidism	10.1 (17/169)	11.6 (10/86)	3.7 (1/27)	15.8 (3/19)	6.9 (2/29)
	Dyslipidaemia	10.1 (17/169)	14.0 (12/86)	3.7 (1/27)	15.8 (3/19)	3.4 (1/29)
	Diabetes mellitus	10.1 (17/169)	11.6 (10/86)	3.7 (1/27)	5.3 (1/19)	10.3 (3/29)
Disease characteristics						
Primary tumor histologic type, % (n/N)	Pure endometrioid	77.0 (154/200)	86.7 (91/105)	84.4 (27/32)	81.8 (18/22)	38.7 (12/31)
	Serous adenocarcinoma	15.5 (31/200)	7.6 (8/105)	9.4 (3/32)	13.6 (3/22)	45.2 (14/31)
	Other	7.5 (15/200)	5.7 (6/105)	6.3 (2/32)	4.5 (1/22)	16.1 (5/31)
Primary tumor size ≥2 cm, % (n/N)		75.7 (134/177)	62.1 (54/87)	93.3 (28/30)	85.7 (18/21)	86.2 (25/29)
	Any	94.2 (179/190)	89.5 (85/95)	100.0 (32/32)	100.0 (22/22)	96.8 (30/31)
	Myometrial invasion (MI)	89.4 (177/198)	80.6 (83/103)	100.0 (32/32)	100.0 (22/22)	96.8 (30/31)
Invasion or involvement of other organ/tissue	LVSI	22.5 (41/182)	7.6 (7/92)	25.8 (8/31)	38.1 (8/21)	41.4 (12/29)
	Cervical stroma involvement	20.7 (41/198)	2.9 (3/103)	9.4 (3/32)	68.2 (15/22)	51.6 (16/31)
reported with frequency	Pelvic lymph nodes	15.1 (30/199)	4.8 (5/105)	9.4 (3/32)	22.7 (5/22)	36.7 (11/30)
≥10.0% in the overall or any of the subpopulations),	Ovary	8.5 (17/200)		6.3 (2/32)	13.6 (3/22)	22.6 (7/31)
	Parametrium	7.0 (14/200)	1.9 (2/105)	6.3 (2/32)		19.4 (6/31)
% (n/N)	Uterine serosa involvement	6.1 (12/196)	1.0 (1/103)		14.3 (3/21)	22.6 (7/31)
	Vagina	6.0 (12/199)	2.9 (3/105)	6.3 (2/32)	4.5 (1/22)	16.7 (5/30)
	Fallopian tube	3.5 (7/200)		3.1 (1/32)		12.9 (4/31)
Intraoperative disease stage, % (n/N)	Assessed	99.0 (197/199)	99.0 (103/104)	100.0 (32/32)	100.0 (22/22)	100.0 (31/31)
	FIGO 2018 update	97.8 (176/180)	100.0 (95/95)	96.6 (28/29)	94.4 (17/18)	93.5 (29/31)
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Key abbreviations: BMI, body mass index; ECOG PS, Eastern Cooperative Oncology Group Performance Status; FIGO, International Federation of Gynecology and Obstetrics (system):

- Intraoperative stage and histologic grade per International Federation of Gynecology and Obstetrics (FIGO) system are shown in Figure 3.
- ✓ Staging was predominantly based on the 2018 FIGO staging system (Table 1)
- Of the patients, 42.5% (85/200) performed EC-related gene mutation/biomarker tests from the start of diagnostic evaluation of EC until the end of the study observation period
- √Testing frequency for biomarkers of interest was: 27.5% (55/200) for p53 expression [45.5% (25/55) abnormal], 5.5% (11/200) for MMR proteins and 1% (2/200) for POLE mutation.
- The criteria used for the assessment of risk for EC recurrence by physicians are shown in Figure 4.





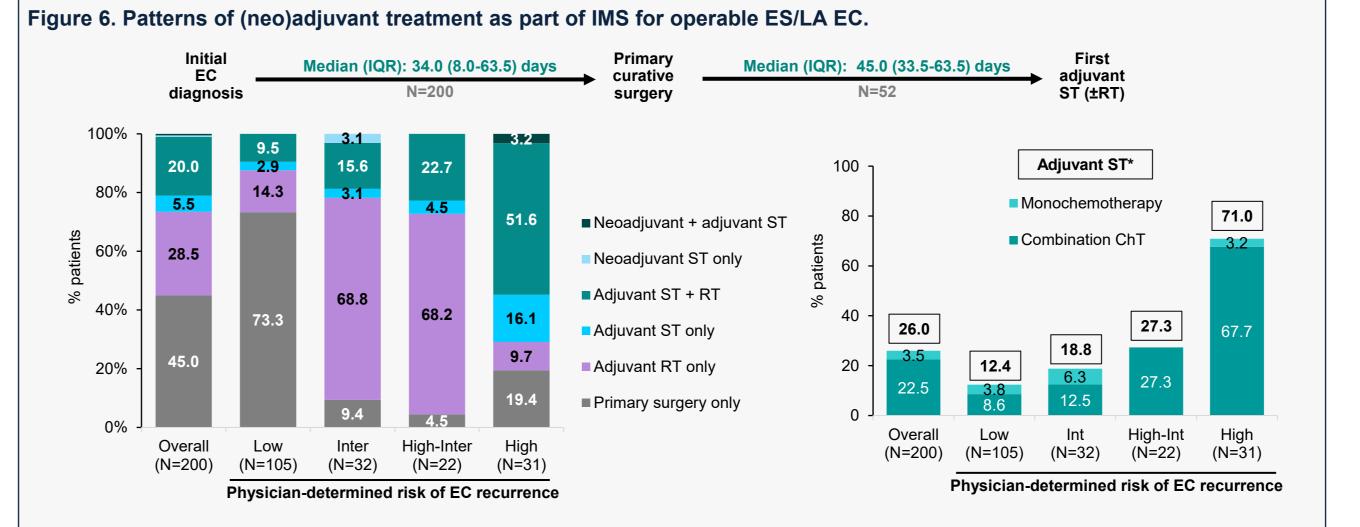
- · As per protocol, we proceeded to re-assessment of patients for confirming the | Figure 5. Identification of high-risk patients based on KN-B21 criteria. percentage of patients that would be eligible for adjuvant systemic treatment based on KEYNOTE-B21 (KN-B21) study³. Criteria used were the following:
- defined as FIGO surgical stage: ✓ I/II with myometrial invasion of non-endometrioid histology;
- ✓ I/II with myometrial invasion of any histology with known aberrant p53 expression or p53 mutation;
- ✓ III or IVA of any histology [source: Lavender Study Protocol].
- The results are shown in Figure 5.

High risk of EC recurrence based on KN-B21 study criteria ➤ Without known presence of POLE mutation and at high risk for recurrence 23.0 (6/200)Stage III or IVA of Stage I/II with MI of Stage I/II with MI of

Rate and patterns of utilisation of (neo)adjuvant therapy, as part of IMS

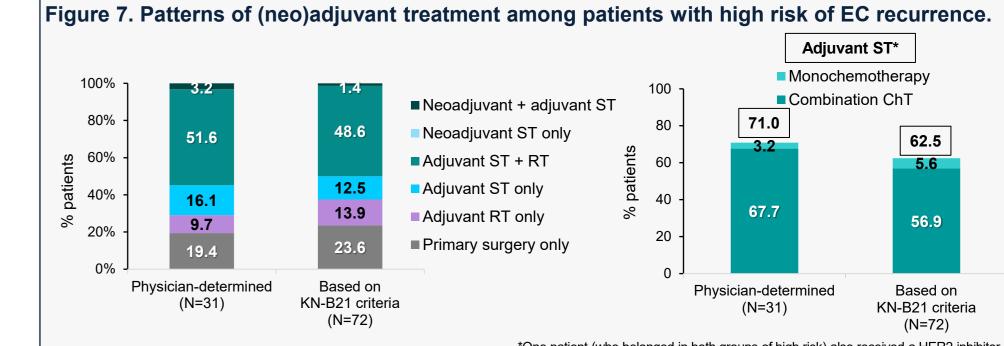
• Total hysterectomy with bilateral salpingo-oophorectomy was performed in 89.0% (178/200) of patients overall; in 88.6% (93/105), 93.8% (30/32), 95.5% (21/22), and 87.1% (27/31) of patients with physician-determined low, intermediate, high-intermediate and high risk of EC recurrence, respectively.

Adjuvant treatment was administered to 54.5% (109/200) of patients; radiotherapy (RT) only in 28.5%, systemic therapy (ST) + RT in 20.0%, ST only in 6.0% (Figure 6).



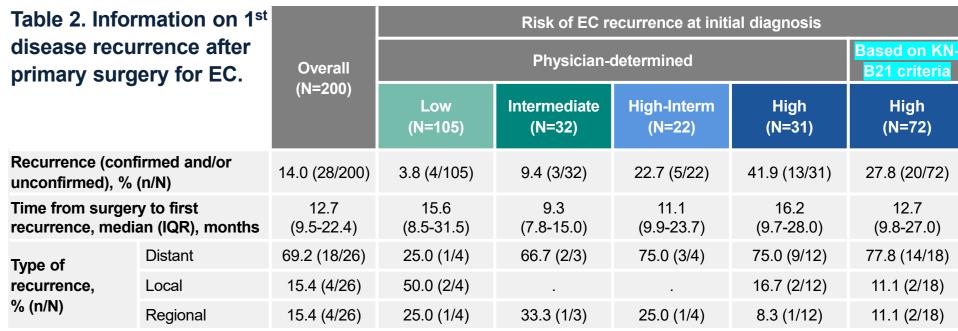
Percentages are shown inside bars if ≥2%. *In all but 2 patients, ST comprised of combination platinum-taxane ChT. One patient (with physician-determined high risk of EC recurrence) also received a HER2 inhibitor.

• 29.0% of patients determined by the physicians as being at high risk of recurrence and 37.5% of those classified as high risk of recurrence based on KN-B21 criteria did not receive adjuvant chemotherapy (Figure 7)



Rate and patterns of EC recurrence

- Over a median follow-up of 3.6 years, 14.0% of patients experienced recurrence (Table 2), a median of 12.7 months
- Half (50.0%; 14/28) of patients who experienced EC recurrence, had received adjuvant chemotherapy as part of IMS. Among patients who experienced EC recurrence.
- 46.4% (13/28) had physician-determined high risk of EC at initial diagnosis.
- * 71.4% (20/28) had high risk of EC at initial diagnosis based on KN-B21 criteria.



n, number of patients with variable; N, number of patients with available data.

Conclusions

any histology non-endometrioid any histology with

aberrant p53

expression/mutation

- The LAVENDER study population is representative of patients with ES/LA operable EC in Greece
- The variability between risk stratification and management strategies highlights the need for more standardized multidisciplinary team (MDT) approaches to risk assessment and treatment decision-making.
- The low molecular testing rate, particularly for dMMR, signals the urgency of advancing the integration of molecular profiling into clinical practice, as it is essential for guiding risk assessment and personalized treatment planning.
- The integration of biomarkers frequently modifies the classification of risk groups, prompting the need for adjustments in treatment strategies. This situation emphasizes the importance of proactive engagement from

❖ The findings of this study address knowledge gaps and provide insights to guide the future development of treatment strategies for EC, supporting informed healthcare decision-making.

Liontos M (Presenter): Grants ASTELLAS, ASTRA ZENECA; Consulting fees MSD, JANSSEN, ASTRA Optimapharm Greece S.A. provided medical writing and ZENECA, GSK, NOVÁRTIS, PFIZER, ABBVIE; Honoraria ASTRA ZENĚCA, MSD, IPSEN, NOVARTIS, editorial support as part of the project work performed

This work was funded by Merck Sharp & Dohme LLC, a subsidiary of Merck & Co., Inc., Rahway, N

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