



Évolutions récentes de la prise en charge des cancers de l'endomètre

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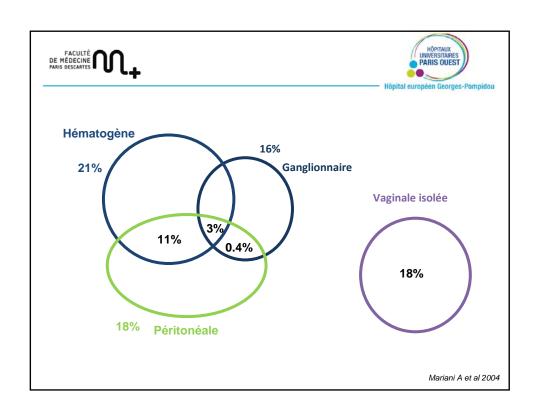
${\it Table 1: Clinical and pathological features of endometrial carcinoma.}$

	Type I (EEC)	Type II (NEEC)
Age	Pre- and perimenopausal	Postmenopausal
Behavior	Stable	Progressive
Grade	Low	High
Hyperplasia-precursor	Present	Absent
Unopposed estrogen	Present	Absent
Myometrial invasion	Minimal	Deep
Specific Subtypes	Endometrioid carcinoma	Non-endometrioid carcinoma
Prevalence	70-80%	10-20%
Risk factors	Obesity, anovulation, nulliparity and exogenous estrogen exposure	In atropic endometrium

TABLE 2: Genetics features of endometrial carcinoma.

7		
	EEC	NEEC
Gain-of Function		
K-ras	15-30%	0-5%
Her2/neu	10-20%	9-30%
β-Catenin	31-47%	0-3%
Loss-of Function		
PTEN	35-50%	10%
P53	10-20%	90%
Genomic instability (microsatellite)	20-40%	0-5%

Okuda T & al 2010





Sites de récidive



TABLE 3. Initial site of recurrence

Initial Site of		Out	come
Recurrence	n (%)	Alive (%)	Dead (%)
Distant	12 (37.5)	3 (25.0)	9 (75.0)
Vaginal stump	8 (25.0)	3 (37.5)	5 (62.5)
Peritoneum	7 (21.9)	2 (28.6)	5 (71.4)
Pelvic sidewall	3 (9.4)	0 (0.0)	3 (100.0)
Lymph node	2 (6.2)	0 (0.0)	2 (100.0)
Total	32 (100.0)	8 (25.0)	24 (75.0)

Bas et inter : 6% récidive, jms GG

Haut : 30% distant, 30% vag, 24% périt, 9% GG

IIIc : 4/11 distant, 3/11 périt, 3/11 vag, 1/11 GG

Grade, pfdeur, ELV, col, GG : distance Col, GG : vag

Watari H et al. 2009





Supériorité de la coelioscopie

ssigned = 1,682)

GOG LAP2

Stades I & IIa GOG PS <4 **HTNC** CP CLA (min AMI)

Fig 1. CONSORT diagram.

Walker J 2009





Table	2.	Pathology	Findings

	Laparotomy		Laparos	сору	
Pathology	No. of Patients	%	No. of Patients	%	P
Surgical stage					.841*
IA	310	35	609	37	
IB	266	30	451	28	
IC	104	12	193	12	
IIA	20	2	37	2	
IIB	32	4	61	4	
IIIA	42	5	96	6	
IIIC	84	9	143	9	
IVB	28	3	39	2	
Unstaged†	0	0	1	< 1	
Tumor type					.415
Endometrioid adenocarcinoma Anaplastic/other	727	82	1,297	80	
carcinoma	1	< 1	0	0.0	
Clear cell carcinoma	11	1	31	2	
Mixed epithelial carcinoma	24	3	49	3	
Serous carcinoma	94	11	195	12	
Sarcoma	29	3	58	4	
Peritoneal cytology	866	98	1,569	96	.052

Table 2. Pathology Findings

	Laparot	omy	Laparos	сору	
Pathology	No. of Patients	%	No. of Patients	%	P
Type of nodes					.0009‡
No nodes	6	0.7	22	1.4	.124
Para-aortic nodes					
only	3	0.3	6	0.4	.905
Pelvic nodes only	28	3.2	109	6.8	.0002§
Both pelvic and para-aortic nodes	840	95.8	1,476	91.5	< .0001§
Any pelvic nodes	868	99	1,585	98	.183
Median, No. of nodes	18		17		
IQR, No. of nodes	12-2	4	12-2	3	
Any para-aortic nodes	843	97	1,482	94	.002§
Median, No. of nodes	7		7		
IQR, No. of nodes	4-1	1	4-1	1	

Abbreviation: IQR, interquartile range.

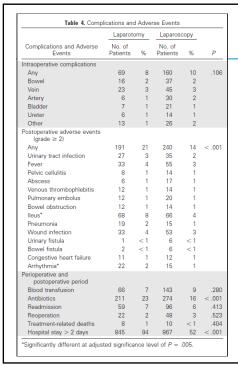
*Stage I and II v stage III and IV.

†Unstaged as a result of surgical complications.

‡Overall comparison between randomized groups on type of nodes.

\$Statistically significant at adjusted significance level of P = .01.

Walker J 2009





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	BMI	(kg/m²)	
No. of Patients Enrolled	Mean	Median	Conversion Rate (%)
1-50	29.6	28.1	27.0
51-100	29.8	28.6	28.3
101-150	30.5	29.7	23.5
151-200	29.1	27.7	14.9
201-250	29.4	27.9	25.3
251-300	28.7	27.2	22.5
300+	31.9	30.3	34.7

Abbreviation: BMI, body mass index.

Taux de conversion : 25,8%

Pb exposition: 56,7% Extension K: 15,9% Saignt: 11,3%

FDR: âge, IMC, stade

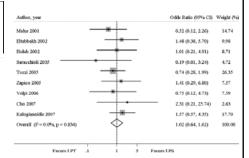
Walker J 2009





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Table 1. Patient D	emographics and	d Clinical Ch	aracteristics	
	Laparosco (n = 1	Laparotomy Arm (n = 920)		
Characteristic	No.	%	No.	%
Site of first recurrence				
Vagina	27	1.6	14	1.5
Pelvis	22	1.3	9	1.0
Abdomen	23	1.4	11	1.2
Liver	11	0.7	5	0.5
Lung	34	2.0	14	1.5
Bone	1	0.1	4	0.4
Nodal	22	1.3	9	1.0
Multiple	30	1.8	16	1.7
Unknown	40	2.4	17	1.9
No recurrence	1,486	87.6	821	89.2



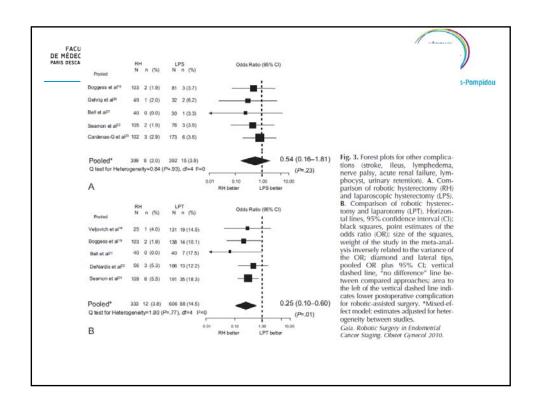
Woong J & al. 2009 Walker J 2009

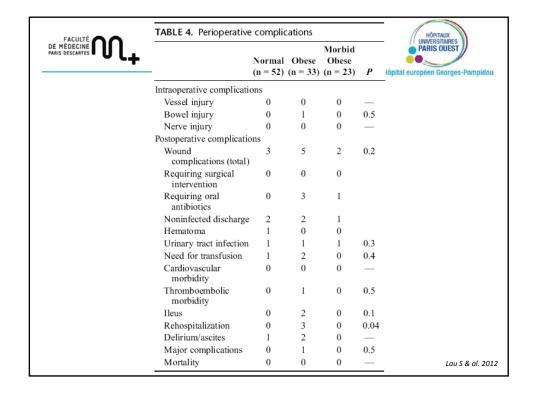




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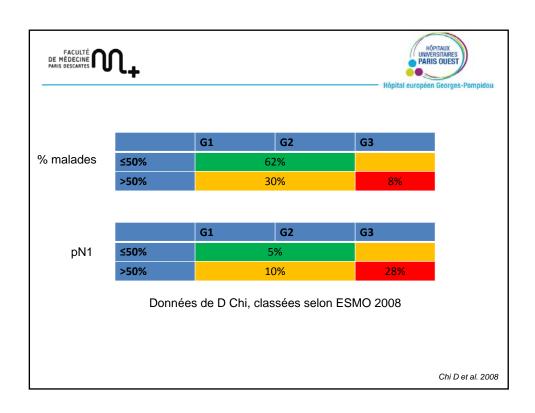


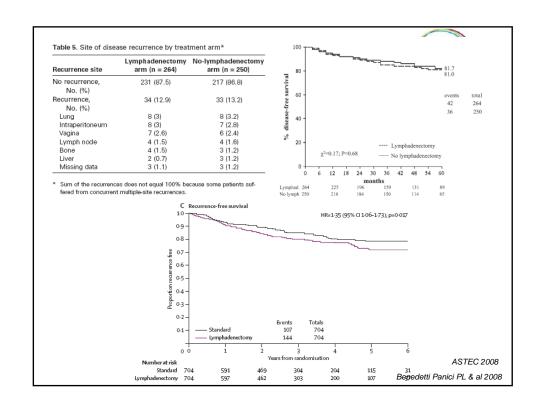




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		Cœlioscopie (n=106)	Robot (n=40)	Р
Complications	Per-opératoires	12 (11,3%)	0	0,03
n (%)	Post-opératoires immédiates	12 (11,3%)	4 (10%)	1
	Post-opératoires à distance	12 (11,3%)	6 (15%)	0,577
Classification des complications	11	16 (61,5%)	7 (77,8%)	0,118
post-opératoires selon Clavien-	IIIA	2 (7,6%)	9 (22,2%)	
Dindo n (%)	IIIB	8 (30,7%)	0	
	IVA	0	0	-
	IVB	0	0	-
	v	0	0	-









Outcome	Radiothe	rapy (n=35	4)	Control (n=360)	
	Number	5-year %	SE	Number	5-year %	SE
Locoregional relapse	11	4-2	1.3	40	13-7	2.1
Vaginal vault	5	1.6	0.7	19	6-4	1.4
Vagina	2	0.7	0.5	11	3.8	1.2
Pelvic	4	2.0	1.0	10	3.4	1.1
Distant metastasis	24	7.9	1.7	20	7.0	1.6
Death	57	19-3	2.7	48	14-9	2.2
Endometrial cancer	23	9.2	2-0	18	6.0	1.4
Locoregional relapse	3	2.0	1.1	4	1.1	0.6
Distant metastasis	18	6-4	1-6	13	4.5	1.3
Complications	2	0-8	0-6	1	0.3	0.3
Secondary cancer	11	3-4	1.2	8	1.9	0.8
Other causes	23	6-7	1-6	22	7.0	1.6
First failure type						
Locoregional relapse	11	3.9	1.2	40	13-1	2.0
Distant metastasis	19	5.5	1.3	11	4.1	1.3
Death without relapse	35	10-4	2-0	26	7.5	1.6
Secondary cancer	22	8-2	1.9	23	8-0	1.8
Gl-tract	9	3-4	1.2	8	2.6	1.0
Breast	5	1.5	0-8	9	3.0	1.1
Other	8	3.3	1-4	6	2.4	1.1

Table 2: Outcome

	Locoregional relapse		Death due to endomet	
	Hazard ratio (95% CI)	p	Hazard ratio (95% CI)	р
Age ≥60	3-2 (1-3-7-5)	0.003	3-1 (1-2-8-0)	0.02
Invasion ≥50%	1-8 (0-9-3-8)	0.11	1.9 (0.8-4.4)	0.16
Grade 1	0.77 (0.4-1.6)	0.50	0.45 (0.2-1.3)	0.15
Grade 3	2.2 (0.8-5.8)	0.11	4.9 (1.9-12.5)	0.0008
No radiotherapy	3.9 (2.0-7.6)	<0.0001	0.76 (0.4-1.4)	0.37

Hazard ratio describes relative hazard of failure per unit time, for age ≥60 years compared with <60 years, for myometrial invasion ≥50% compared with <50%; for grade 1 and 3 compared with grade 2; for no radiotherapy compared with postoperative radiotherapy.

Table 3: Cox-regression analysis

Creuzberg C & al 2000

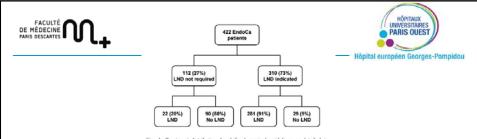


Fig. 1. Treatment distribution by defined surgical guidelines as detailed in Table 1 for patients with endomential cancer (EndoCa) managed during the 36-month period between 2004 and 2006. LND indicates lymph node dissection (either pelvic, para-aortic, or both).

Prevalence of lymphatic dissemination in patients with lymphadenectom stratified by histologic subtype

The strategies of lymphatic dissemination in patients with lymphadenectom stratified by histologic subtype

Histologic subtype	Number of patients					
	Total (n=281)	Node-positive (n=63)	Prevalence,			
Endometrioid ^a	209	34	16			
Non endometrio i d ^b	72	29	40			

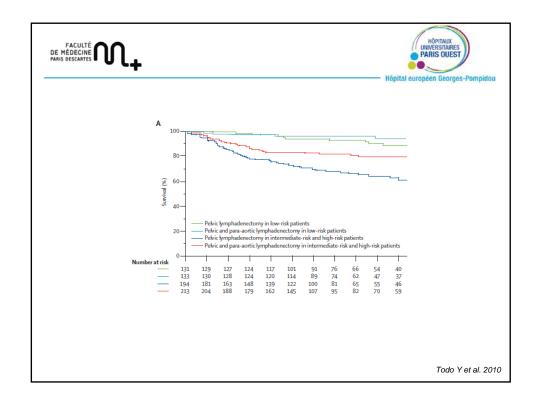
^a Includes mucinous.
^b Serous, clear cell, and undifferentiated.

Table 4

Node site	Endometrioid, number (%) (n=32)	Nonendometrioid, number (%) (n=25)	Total, number (%) (n=57)
Pelvic only	12 (37)	7 (28)	19 (33)
Pelvic plus para-aortic	14 (44)	15 (60)	29 (51)
Para-aortic only	6 (19)	3 (12)	9 (16)

^aIn patients with lymphatic dissemination who underwent systematic pelvic and

Mariani A & al 2008







- Stratégie adaptée au N
 - Désescalade chez les pN0
 - Critères qualité du curage
 - Curiethérapie
 - Radio et chimiothérapie chez les pN1
 - Concomitant ?
 - Champs ?



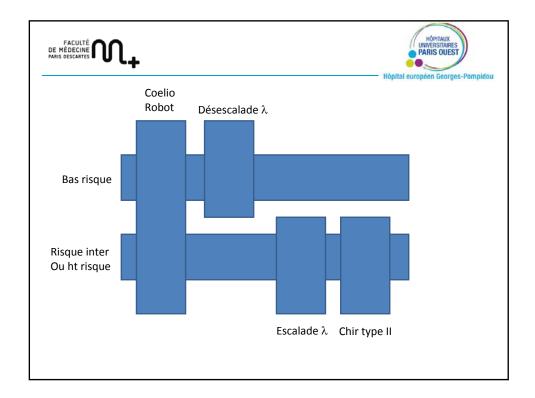


Ganglion sentinelle

	No SLN detected, N	SLN detected, N	Positive SLNs, N (%)	Histological type (N)	Histological status of non-SLNs		
Low-risk							
IA (grade 1 or 2)	4	57	6 (11%)	Endometrioid (6)	Negative		
Intermediate-risk							
IA (grade 3)	2	10	2 (20%)	Endometrioid (1), other (1)	Negative		
IB (grade 1 or 2)	2	23	3 (13%)	Endometrioid (3)	Negative		
SLN=sentinel lymph node.							
Table 4: Contribution of SLN procedure to detect metastases in patients with low-risk and intermediate-risk endometrial cancer							

Risque Élevé: 8/16 (50%) dont les 3 FN (type2, >50% myomètre)

Ballester M et al. 2011







En pratique

- OMS, IMC, ATCD
- Type histologique. Re-biopsie. Curetage?
- Type I
 - IRM abdomino-pelvienne / ex extemporané.
 - HTNC + GS coelio ou robot
 - HTNC + curage pelvien & aortique coelio ou robot
- Type II
 - Coelio si stade I, sinon laparotomie





Questions

- Préservation fertilité
- Préservation ovarienne
- Traitement concomitant de l'obésité

