

Supplementary Table Frequencies of MSI in endometrial cancer: a survey of the literature

Author	Year	Setting	Organ	Subtype	No. of patients	Marker		Method for detection	MSI ¹				Correlation with MSI	
						No.	Variety		%MSI	%H ²	%L ³	Positive marker		
Cote ML et al.	2012	S ⁴	U ⁵	E ⁵ (55) others (21)	76	10	m ⁷ , d ⁸	F ⁹	18.2 (E) 4.8				m, d	grade, race
Zauber NP et al.	2010	S/F ¹⁰	U	E (191) others (22)	213	5	m, d	F	26.3	26.3	0			MLH1 meth ¹¹
Stewart CJ et al.	2010	S	U	MELF ¹² +/-	33	1	m	F-SSCP ¹³	18.1	18.1	0		m	-
Koyamatsu Y et al.	2010	S	U	E	30	11	m, d	F	100	33.3	66.7			gene exp ¹⁴
Mackay H et al.	2010	S	U	E (131) others (32)	166	2	d		19.3	19.3	0		d	histol ¹⁵ , DFS ¹⁶
Murayama-Hosokawa S et al.	2010	S	U	E	42	5	m, d	F	23.8	23.8	0			-
Alves F et al.	2010	S	U	E	19	7	d	F	10.5	10.5	0		d	-
Bilbao C et al.	2010	S	U	E	93	5	m	F	22	22	0		m	stage, v inv ¹⁷ , DFS, DSS ¹⁸
Kawaguchi M et al.	2009	S	U	E (59) AS ¹⁹ (10)	69	5	m, d	F	31.9	31.9	0			-
Kawaguchi M et al.	2009	S	U	E (37) AS (7)	44	11	m, d	F	38.6	31.8	6.8			MLH1 meth
Ferreira AM et al.	2009	F	U	E	61	6	m, d	F	69	40	29			-
Turbiner J et al.	2008	S	U (Tam ²⁰ +)	E (17) C ²¹ (1)	18	2	m	F	5.6	5.6	0		m	-
			U (Tam -)	E (22) CS ²² (1)	23				34.8	34.8	0			-
Sobczuk A et al.	2007	S	U	E	60	5	m, d	S ²³	35	23	12			grade
Zigheboim I et al.	2007	S	U	E	446	5	m, d	R ²⁴	33	33	0			grade
Westin SN et al.	2008	S/F	U (lower seg)	E (27) others (8)	35	6	m, d	F	34.3	34.3	0			-
Konopka B et al.	2007	S	U	E	56	9	m, d	F	46.5	28.6	17.9			-
McCourt CK et al.	2007	S	U	E (376) others (69) sarcoma (28)	473	5	m, d	R	32 (E) 10 21 (sarcoma)	32 10 21	0 0 0			BMI ²⁵ , race, grade, histol
Ju W et al.	2006	S	U	E	50	5	m, d	F	24	24	0			MSH2/MLH1 exp
Taylor NP et al.	2006	S	U	CS	28	5	m, d	R	17.9 - 21.4	17.9 - 21.4	0			TP53 loss, TP53 exp
Honore LH et al.	2006	S	U	E	218	1	m	F	16.1	16.1	0		m	grade etc
Furlan D et al.	2006	S	synchronous O ²⁶ +U	E	13	5	m	F	38.5	38.5	0		m	MLH1 meth
Kang S et al.	2006	S	U	E	75	6	m, d		20	20	0			MLH1, RASSF1A meth
Shibata D et al.	2006	S	U	E	80	5	m, d	F	35	25	10			RAB32 meth
Black D et al.	2006	S	U	E (379) S ²⁷ (71) C (18) others (5)	473	5	m, d	R	20	20	0			DFS, DSS
Bilbao C et al.	2006	S	U	E (182)	205	3	m	R	20	20	0		m	PTEN mt ²⁸
Chang K-H et al.	2006	S	bilat O synchronous O+U	E	12 4	4	m, d	F	67 (O), 75 (U)	33 (O), 75 (U)	33 (O), 0 (U)		m, d	-
Irving JA et al.	2005	S	synchronous O+U	E	12	5	m, d	F	58 (O), 67 (U)	50 (O), 58 (U)	8(O), 8 (U)			-
Risinger JI et al.	2005	S	U	E	24	5	m, d	F	37.5	37.5	0			exp array profiles
Kaneki E et al.	2004	S	synchronous O+U	E	17	5	d	F	64.7 (O), 58.8 (U)	35.3(O), 35.3(U)	29.4(O), 23.5(U)		d	-
Prasad M et al.	2005	S	U	E (23) MMMT ²⁹ (3) S (3)	29	7		R	24.1 - 27.6					-
Pijnenborg JMA et al.	2004	S	U	E	88	2	m	F	14.8	14.8	0		m	MLH1 exp

An HJ et al.	2004	S	U	C	14	8	m, d	R	21.4	21.4	0	m, d	-
Hirasawa A et al.	2003	S	U	E	43	11	m, d	F	27.9	27.9	0		stage, grade, my inv ³⁰ N meta ³¹
Hardisson D et al.	2003	S	U	E (52) Non E (26) HP ³² (7) E (67) AS (9) C (3) S (2)	85	2	m	F	38.5 (E) 11.5 (Non E) 28.6 (HP)	38.5 11.5 28.6	0 0 0	m	histol, MLH1/MSH2 exp
Miturski R et al.	2003	S	U	E (92) others (33)	81	1	m	S	23.9			m	-
Moreno-Bueno G et al.	2002	S	U	E (67) Adenoca (13) S (6) E (97)	125	2	m	F	29.3 (E) 6.1	29.3 6.1	0 0	m	histol
Ferrandina G et al.	2002	S	U	E	47	6	m, d	South ³³	25.3				histol
Muresu R et al.	2002	S	U	E (67) Adenoca (13) S (6) E (97)	74	5	m, d	F	32				stage, grade
Baldinu P et al.	2002	S	U	E (48) others (5)	116	5	m, d	F	34	34	0	m, d	stage, grade
Koul A et al.	2002	S	U	E (76)	53	6	m, d	R	20.8 (E) 20			m, d	<i>PTEN</i> mt
Peiro G et al.	2002	S	U	E (59)	89	5	m, d	F	11	11	9		stage, MSH2/MLH1 exp
Machin P et al.	2002	S	U	E	73	5	m, d	South	26				-
Ohwada M et al.	2002	S	U	E	66	5	d	South	40.9	40.9	0	d	-
Watanabe Y et al.	2001	S	U	E	46	7	m, d	R	17.4				T loc ³⁴
Moreno-Bueno G et al.	2001	S	O synchronous O+U	E	26 4	2	m	F	19 (O) 100 (O), 100(U)	19 100 (O), 100(U)	0 0	m	-
Toda T et al.	2001	S	U	E	60	8	d	S	30	16.7	13.3	d	grade, stage TP53 exp, <i>PTEN</i> mt, OS ³⁵
Maxwell GL et al.	2001	S	U	E	131	3	m, d, te ³⁵	R	22	22	0	m, d, te	grade, OS
Fiumicino BS et al.	2001	S	U	E (46)	65	6	m, d	South	17	17	0	m, d	<i>KRAS</i> mt
Lagarda H et al.	2001	S	U	E	58	7	m, d	South	24.1	24.1	0	m, d	<i>PTEN</i> mt
Salvesen HB et al.	2001	S	U	E (173) C (11) S (10)	110	5	m, d	R	32.7	32.7	0		race, stage histol
Basil JB et al.	2000	S	U	E (73)	229	5	m, d	R	30.6	30.6	0		TP53 exp, histol
Maxwell GL et al.	2000	S	U	E (234) C or S (25)	100	3	m, d, te	R	15	15	0		-
MacDonald ND et al.	2000	S	U	E (57) S (34)	259	5	m, d	R	45	45	0	m, d	histol
Lax SF et al.	2000	S	U	E (93)	91	8			28 (E) 0 (S)				histol
Ohwada M et al.	1999	S	U	E	93	5	d	South	34	24	10	d	stage, N meta
Esteller M et al.	1999	S	U	E (115)	27	6	m, d	S	44			m, d	<i>MLH1</i> meth
Risinger JI et al.	1998	S	U	E (33)	136	3	m, d, te		23.5	23.5	0	m, d, te	<i>PTEN</i> mt
Catasus L et al.	1998	S	U	E (21)	42	7	d	South	28	28	0	d	-
Catasus L et al.	1998	S	U	E (64) AS (5) C (1) CS (2) E (80) AS (12) C (4)	26	5	d	South	50	50	0	d	<i>BAX</i> mt
Sakamoto T et al.	1998	S	U	E (73)	72	5	d	S	14 (E) 40 (AS) 0 (C) 0 (CS)	14 40 0 0	0 0 0 0	d	-
Kowalski LD et al.	1997	S	U	S (34)	125	7	d	R	20			d	-
Tashiro H et al.	1997	S	U	E	34	8	d	R	8.8	0	8.8	d	-
Mutter GL et al.	1996	S	U	E	31	11	d	R	26			d	-
Peiffer SL et al.	1995	S		S (6) E (59)	37	39	d, tr ³⁷ , te	S	22	11	11	d, tr, te	-
Katabuchi H et al.	1995	S	U	E	65	8	d	R	18.5	18.5	0	d	-

Kobayashi K et al.	1995	S	O U		145	5	d	R	9 (O) 54 (U)	3 23	6 31	d	grade
Duggan BD et al.	1994	S	U	E (36) C (2) S (7)	45	3	d	R	20	-	-	d	KRAS mt
Burks RT et al.	1994	S	U	E (26) S (4)	30	7	d	R	23.3	23.3	0	d	-
Risinger JI et al.	1993	S F	U		40	71	d	R	16.6 (S) 75 (F)			d	-

Abbreviations: ¹MSI = microsatellite instability; ²H = MSI-high (H); ³L = MSI-low (L); ⁴S, sporadic; ⁵U = uterus; ⁶E = endometrioid; ⁷m = mononucleotide; ⁸d = dinucleotide; ⁹F = fluorescent; ¹⁰F = familial; ¹¹meth = promoter methylation; ¹²MELF = formation of microcystic = elongated and fragmented glands; ¹³SSCP = single-stranded DNA conformation polymorphism; ¹⁴exp = expression; ¹⁵histol = histology; ¹⁶DFS = disease-free survival; ¹⁷v inv = vascular invasion; ¹⁸DSS = disease-specific survival; ¹⁹AS = adenosquamous carcinoma; ²⁰Tam = tamoxifen; ²¹C = clear cell carcinoma; ²²CS = carcinosarcoma; ²³S = silver staining; ²⁴R = radioisotope; ²⁵BMI = body mass index; ²⁶O = ovary; ²⁷S = serous carcinoma; ²⁸mt = mutation; ²⁹MMMT = malignant mixed Mullerian tumour; ³⁰my inv = myometrial invasion; ³¹N meta = lymphnode metastasis; ³²HP = hyperplasia; ³³South = Southern blotting; ³⁴T loc = tumour location; ³⁵te = tetranucleotide; ³⁶OS = overall survival; ³⁷tr = trinucleotide

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