

"Endometrial remodelling and regeneration in reproductive disorders satellite symposium 2009"

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The clinical soundness of basic research on activin A in endometriosis and endometrial cancer



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Tumor markers and polypeptides (A) CA-125, CA-19-9	<ul> <li>Diagnostic accuracy of serum CA-125&gt;/= 20 U/ml in diagnosin patients with endometriosis</li> </ul>					
(B) SICAM-1 (soluble forms of the intercellular-adhesion molecule-1)		No. of patients	Sensitivity, %	Specificity %		
(C) Glycodelin-A (PP 14)	Collacuri et al. [130]	28	44	90		
	Fedele et al. [11]	154	85	100		
Immunological markers	Fisk and Tan [30]	48	43	04		
(A) Cytokines: IL-6, TNF	Gurgan et al. [31]	38	0	100		
(B) Autoantibodies	Homstein et al. [127]	123	16	91		
(1) Antiendometrial	Ismail et al. [133]	30	50	38		
(2) Autoantibodies to markers of oxidative stress	Kruitwagen et al. [32]	74	20	82		
Genetic markers	Lanzone et al. [134]	119	53	86		
	Medl et al. [132]	368	33	91		
Early growth response (EGR)-1 gene	Molo et al. [126]	35	100	93		
P450 aromatase Placental Protein 14 (PP14)	Moloney et al. [128]	60	34	100		
Placental Protein 14 (PP14)	Moretuzzo et al. [7]	40	20	90		
Tissue markers	Muscatello et al. [131]	119	51	86		
Anomatase P 450	O'Shaughnessy et al. [129]	100	27	100		
(A) Atomatase F 450 (B) Cytokeratins	Ozaksit et al. [135]	86	80	90		
(B) Cytokerants (C) Hormone receptors	Palton et al. [125]	113	13	93		
(c) notime receptors	Pittaway and Fayez [6]	385	17	93		
- large range of variability	7					
net ever encelifie	to endometriosis					











		mitivity, specificity, likelihood ratios (I.R) and area under the receiver operate or (ROC) curve for senam folloatain and CA-125 in the diagnosis of ova					
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Ē		Endometrioma vs. ne ovarian cyst		Endometrionia va. other benign evaniari cysta			
<u> </u>							
		Follintatin	CA-125	Follistatin	CA-125		
	Best cutoff point	1025 pg/ml	32.03	1403 pg ml	42 U I		
2 1000	Sensitivity (%)	100	52	92	44		
· · · · · · · · · · · · · · · · · · ·		(99-100)	(38-65)	(85-99)	(31-58)		
0 10 20 30 50 100 250	Specificity (%)	96	96	92	90		
CA-125 (U/I)		(89-100)	(89-100)	(85-99)	(82-98)		
	LR of positive test <sup>(k)</sup>	25	14	12	5		
statin detected 48/52 cases of endometrioma		(4-184)	(2-97)	(5-31)	(2-11)		
6 sensitivity) with the cutoff 1433 pg/ml, which	LR of negative test <sup>(b)</sup>	0.00	0.50	0.08	0.62		
esponds to 96% specificity.		(0.00-0.14)	(0.37-0.67)	(0.03-0.21)	(0.48-0.80)		
ntrast, CA-125 detected only 44% of the	Area under ROC curve	0.993	0.681	0.990	0.697		
netriomas with 90% specificity.	1	40.978-1.0000	(0.565-0.797)	(0.960-1.000)	10.996.0.798		























































