

VULVAR AND VAGINAL MELANOMA

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NEMOCNICE OSTRAVA

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		CL	INICAL FI	NDINGS A	IND TRI	SATIN	IENT	
	Age	Localisation	Clinical status of lymph node	Surgical status of lymph node	AJCC		Surgery	Adjuvant
					TNM	stage	Surgery	therapy
1	63	Labium major	Negative	Negative	T4aN0M0	IIB	WE	Immunotherapy
2	81	Vagina	Negative	Negative	T4aN0M0	пв	WE	
3	77	Vagina	Negative	Positive	T4bN1M0	ША	WE+GD	
4	74	Labium minor	Negative	Positive	T4bN3M1a	IV	WE+GD	Immunotherapy
5	73	Labium minor	Negative	Negative	T4aN0M0	тв	WE+GD	Immunotherapy
6	73	Vagina	Negative	Negative	T4aN0M0	IIB	WE+GD	Immunotherapy
7	56	Mons pubis	Negative	Negative	TlaN0M0	IA	WE+GD	Immunotherapy
8	47	Labium minor	Negative		T1aNxM0	IA	WE	Immunotherapy
9	75	Labium major	Negative	Positive	T4bN1bM0	ШВ	RV+GD	Immunotherapy
10	69	Labium major	Negative	Negative	T3aN0M0	IIA	WE	Immunotherapy
11	60	Labium major	Negative	Negative	T3bN0M0	ПВ	RV+GD	Immunotherapy

WE- wide excision, RV- radical vulvectomy, GD- groin dissection

Wide excision were done in 4 cases, wide excision with groin dissection and sentinel node detection (SLND) in 7 cases. The initial lesions in our serie were diagnosed at stage III-IV in 7 cases, adjuvant imunotherapy was used in 7 cases. Locoregional recurrence were at 8 cases, all of them had surgical treatment, 2 patienst palative radiotherapy and 1 patient re chemotherapy for distant metastases. Progressoin of the disease was the primary cause of death for 5 patients only 1 patient survives with no evidence of disease during the 36 months follow up period. Median survival was 37 months

OUTCOME Time to Site of reccurenc OS Treatment option Status (Months) reccurence e (Months) Regional 64 GD 80 Distant 72 Chemotherapy Local and 2 3 Without therapy 14 + DOD distant 14 Excision 21 Excision 3 DOD 24 Excision Excision 28 Excision Local 6 Radiotherapy 4 15 + DOD 13 Locoregional Chemotherapy Local 5 5 53 NED Distant Pelvic lymphadenectomy 46 Locoregional 6 10 Excision 15 + DOD and distant 7 40 NED Excision 8 Local 20 Excision 37 NOD Excision 36 9 12 NED 10 7 NED 11 3 NED

GD- umin dissection, DOD- death of disease, NED- no evidence of d

Introduction

Primary melanoma of the lower genital tract is a rare disease but the second most comm neoplasm, it represents 5 percent of all melanomas and about 10 percent of all malignancies neoplasm, this region.

Material and methods This study reports the clinical and histolopathological findings, treatment Material and methods This study reports the clinical and histolopathological findings, treatment and outcome of 8 patients with vulvar melanoma and 3 patients with vaginal melanoma managed at the Regional Melanoma Center at University Hospital in Ostrava between 2000 and 2007. Patients were ranging in the age from 47 to 81, with mean age of 77. The first symptoms noticed by the patients were pruntus or bleeding. All of the initial lesions were nodular pigmented tumors and eight of them were ulcerated and bleeding lesions. There were several surgical treatment options according to localisation, diameter, depth of the tumor and clinical nodal status, cause superficial lesions may need only wide local exision, thus avoiding the morbidity associated with a more radical operation. All patients were retrospectively staged according to the AJCC staging system. Primary tumors were assessed according to Breslow and Clark increaselage system, and histologic eligible were evaluated for the foliating forces: identified in the patients when the superior identified the progressions of the patients when the patients were retrospectively staged according to the AJCC staging system. Primary tumors were assessed according to Breslow and Clark intensities to the patients when the patients were retrospectively staged. microstaging system and histologic slides were evaluated for the following factors: ulceration cell type lymphangioinvasion, angioinvasion, neurotropismus, mitotic activity, immune response, satelites and positivity of the HMB 45, S 100 and Melan A antibodies.

Recurrences were classified as local, nodal or distant. The time to recurrence was calculated from the date of primary surgery to the date that recourence was documented. Length of follow up was calculated from the date of primary surgery to the date of death or the date of last contact for those who remained disease-free.

HISTOPATHOLOGICAL FINDINGS										
	Breslow mm	Clark	Ulceration	Histological type	Lymph/ Angio- invasion	Neuro- tropismus	Mitotic activity			
1	5	IV	+	Epiteloid cells	-/-	-	+++			
2	13	v	+	Epiteloid cells	-/+		+++			
3	27	v	+	Epiteloid cells	+/+	+	+++			
4	8	v	+	Epiteloid cells	+/-	+				
5	14	IV	+	Spindle cells	+/-					
6	7	V	+	Epiteloid cells			+++			
7	0,6	III	+	Spindle cells		-				
8	0,5	II	-	Epiteloid cells	-/-	-	0			
9	6	Ш	+	Epiteloid and spindle cells	+/-		+			
10	5	IV	-	Spindle cells	+/-	+	+			
11	3,7	IV	+	Spindle cells	-/-		++			

FIGO staging system is of minimal prognostic value, cause the major prognostic factor for risk of reccurence and survival in vulvar and vaginal melanoma is lesion depth, whether measured by absolute depth from the stratum granulosum (Breslow) or by histologic levels (Clark) and presence of ulceration. Historically, melanoma of the vulva has been treated with radical vulvectomy and un block inguinofemoral lymphadenectomy. Recent studies showed that elective regional node dissection was no more beneficial than therapeutic node dissection at time of regional recurrence. Wide local excision with selective lymph node dissection may yield equal therapeutic node dissection at time of regional recourence. Wide local excision with selective lymph node dissection may yield equal survival rates with reduced morbidity. Patients with superficial lesions less than 1.00 mm ay be spared the morbidity of radical resection. Patients with well – lateralized lesions, regardless of depth, may also be treated with a wide local excision with adequate margins and sentinel lymph node detection (SLND). Patients with central mucosal lesion require radical surgery, cause wide local excision may note effect adequate margins. Patients with lesions deeper than 1,00 mm have a high risk of nodal or distant metastases that is unlikely to be decreased, even with the use of radical vulvectomy and bilateral inguinofemoral lymphadenectomy. SLND has emerged as one of the most powerfull predictors of recourence and survival with high detection rate, low false negativity and little morbidity. It identifies patients with subclinical nodal involvement who may benefit from complete lymphadenectomy and adjuvant therapy and has become widely accepted for tumors with Breslow between 1,00 – 4,00 mm. SLND is also indirected in this tumors with Breslow between 1,00 – 4,00 mm. SLND is also indirected in this tumors with Breslow between 1,00 – 4,00 mm. SLND is symphacenectomy and adjuvant interapy and nas become widely accepted for tumors with Bresiow between 1,00 – 4,00 mm. SUND is also indicated in thin tumors with Bresiow less than 1 mm with negative prognostic factors as presence of ulceration, high mindto rate and age under 60 years. As with thin melanomas, the role of SLND in patients with thick tumors is also evolving but we can conclude that SLND provided essential prognostic information. It may be reasonable to consider SLND in the setting of patients who had not undergone SLND previously and who developed a local recurrence near the prior excision for intransit melastases. Patients with positive SLN should underwent complete inguinofemoral lymphadenectomy. From these reasons SLND is strongly supported and recommended in patients with vulvar and vaginal melanomas

Prognosis of vulvovaginal melanoma is poor cause of late diagnosis and advanced stage in elderly women with absence of preventive gynecological examinations as well as underestimating non typical symptoms of the patients. Public self-examination education programs along with greater physician awareness may account for the increased detection cutaneous melanoma in early stage disease. When in doubts, it is better to consult melanoma centers and special centers for vulvovaginal diseases. Great caution should be used less aggressive surgery of primary tumor and lymphatic mapping with sentinel node detection and selective node dissection to predict lymphatic spreading and necessity of elective lymphadenectomy and usefullness of adjuvant immunotherapy.