

Malignant Melanoma

Most malignant melano masitarise in the epidern (seatine by exiter im the epidern (seatine by exiter im the epidern) (sea

Malignant melanoma=		
All major types of mela	noma originate almost ii	nvariably from melanocytes at the epidermal-dermal jun
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more than half of them	eofisene ido er	or have completely supplanted the precursor nevus at
Classification	of	Melanoma

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There are two major categorites of melanoma, whictorteperespendensessument attachidaes depoliased footust e	pediareo
About 5% to 10% of meliansitoras in different series as leipte dedicted in the distribution of meliansitoras in different series as leipted and leigher in the language of the distribution of the language of the leipted and leigher in the language of the	nathana
7.0001 070 to 1070 of frique astato in different seripeotechnigasimogy dianglici frattass, on	iic iiidzota
Finally, the separate description of the morphologic variants has nosologic and pedagogic value, f	facilita
Morphology of Tumorigenic and Nontumorigenic Melanoma	
In their nontumorigenic satagen, meet la nomas tend to be preation on the sign of the sign	- włoska-marka
In their nontamongenic saagetimeen jahomas tena juu ee paalidan laine soote as easta auding allea latulis	madina

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recent guidelines have emphasized the value of the "ugly duckling" sign of the changing or different-loo
Histologically, most of the lestional cells in nontum enlayeomicas ela robinias layien lestrated has been ideal estimated in the lest in the lest in the lest ideal entering the lest ideal entering in the lest i
Clinically, the tumorigenic vertical growth phase is qualitatively different from the plaquelike radial growth
quite uniform and may be pink rather than blue-black, and the diameter of the tumor nodule itself is often

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The major histologic feature that distinguishes a tumorigenic melanoma is the capacity for proliferation
The major histologic realture that distinguishes a turnongenic metanoma is the capacity for promeration
Tumorigenic melanoma A mass of melanoma cells is present in the dermis, defined as at least one clus
Nontumorigenic melanomama.mass of melanoma cells is present in the dermis (there is no cluster larger
Vertical growth phase . A lesion is classified as vertical growth phase if it is tumorigenic or if there are a

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Radial growth	phase	(RGP).	A lesion is classified as radial g
In rare instances, a mas	ss is formed in the derm	al component of a mela	noma by the accretive piling up o
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pnase". These lesions	are nontumorigenic. Ho	wever, if any mitoses are	e present in such a lesion, it wou
	1		
In a study conducted by	the Pathology Panel of	f the Cancer Research C	Campaign in the United Kingdom
phase" . These lesions	are nontumorigenic. Ho	wever, if any mitoses are	noma by the accretive piling up of the present in such a lesion, it would be campaign in the United Kingdom

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Molecular Pathology of	Melanoma		Knowle
more called a call of a ca	1.1.0.41.70.11.1	l'	J. 11.0
The Nontumorigenic Compartm	nent Primary Ma	alignant Melanoma	(Radial Growth Phase
The following sections describe the	o morphology of throughout		www.ofthownlifforcost for
The following sections westing the	ie morphology on uneasone d	namagen owd orbibæse.	centaparume ruunerent ioi
Two major patterns of notentialization	renic melanom a ather b eedia	ational at the contract of the	dairíochtachtachtachtachtachtachtachtachtachta
. The major patterns of Hashagines	, sino moianon passo.	<u> </u>	

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Not all superficial melan or stito proliferations can Becalia by the notific perotial by the stito of the sti
recur, and grow inexoral bity sizult, hough without metarsatz tac no ioniential subduted ineccos colla geod sist, hwhere a continuent
Superficial Spreading Melanoma
Superficial spreading melanoma, also referred to as pagetoid melanoma, is the most frequent form of

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Histopathology		
Architectural pattern f	eatures of importance	in the diagnosis include the large diameter of the lesions, p
Cytologically,	the lesional cells ar	re rather uniform and have abundant cytoplasm containing v
When the lesion is	in situ,	the basement membrane is intact and there are no les
	, C.C.,	
Histogenesis		On electron microscopic examination, melano-somes a

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more likely than other m	elanomas to be associa	ated with BRAF or NRAS	S mutations . These evolving g	er
Differential Diagnosis		A junctional nevus diffe	rish soitan superficial spreadish ges	ne
When tumorigenic vertice	cal growth phase is pres	ent, it does not differ ap	preciably from that in any othe	r f
Among the nonmelanoc	ynisineoplasms that mu	sabee differentiated from	aPsagoetisticioslespone ading meethedh	D

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antigen and keratin an	d are negative for	r HMB-45 and N	/lelan-A. S100 เ	eactivity, althou	gh unusual, may
A final pitfall in evaluat	iiḥg nonmelanocy	<u>rtic mimi</u> cs of int	raepidermal me	elanoma involve	s the variable ter