



































_	Skin Ca	ncer Cas	ses and	Deaths	in Ca	nada	-	
Base Sce	Estimate nario Involv	d Actual	(2004) ai Annual Pe	n d Proj e rcent Ch	ected (a nange in	2031) 1 Inciden	ce Rates	
			2004			2031		
			Cases	Deat	hs (Cases	Deaths	
Melanoma			4,755	74	5	9,070	1,644	
Non-melanc	Non-melanoma skin cancer Basal cell carcinoma			20	4 2	01,302	608	
Basal				8	0 1	57,711	237	
Squam	Squamous cell carcinoma			12	4	43,591	371	
cancer in Canada, inc productivity. The resu in the following table	were applie luding both ults derived	d in the an direct me from the	nalysis to edical cos estimated	determi ts and ir cases a	ne the e ndirect o nd deat	conomic costs rela hs in 200	burden of s ted to lost 4 are summ	kin arized
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cancer in Canada, inc productivity. The ress in the following table Annual Di 2004 Type of Cost Primary care	were applie cluding both alts derived rect and 4 (in \$millit MM	d in the and direct mo from the Indirect ons, 2004	t Costs acconstant BCC 24.90	determi ts and ir cases a of Skin t dollar %	ne the endirect of nd death Cancol s, undis	economic costs rela hs in 200 ers in 0 counted %	burden of s ted to lost 4 are summ canada) Total	skin arized <u>%</u> 6.2%
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cancer in Canada, inc productivity. The ress in the following table Annual Di 2000 Type of Cost Primary care Hospital-based day surgery Hospital inpatient care Total direct costs	were applie eluding both ults derived rect and 4 (in \$millio 1.76 17.01 10.78 29.55	d in the an direct mu from the Indirect ons, 2004 % 0.4% 3.8% 2.4% 6.7%	t Costs of a constant b constant b constant b cc 24.90 0.91 0.58 26.39	of Skin t dollar % 51.5% 1.9% 1.2% 54.6%	Cance s, undis s, undis s, undis s, undis s, undis 1,56 10,12	conomic costs rela hs in 200 ers in C counted % 15.9% 5.5% 3.9% 25.3%	burden of s ted to lost 44 are summ canada)) Total 33.00 20.14 12.92 66.05	kin arized % 6.2% 3.8% 2.4% 12.4%
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203	1 (in \$millio	ons, 200	4 constar	nt dollar	s, undis	counted)		
Type of Cost	мм	%	BCC	%	scc	%	Total	%
Primary care	3.35	0.5%	64.76	52.7%	17.95	17.4%	86.06	9.3%
Hospital-based day surgery	36.75	5.3%	2.35	1.9%	6.12	5.9%	45.22	4.9%
Hospital inpatient care	24.62	3.5%	1.53	1.2%	4.43	4.3%	30.58	3.3%
Total direct costs	64.72	9.3%	68.64	55.9%	28.50	27.7%	161.86	17.6%
Mortality	624.78	89.8%	45.44	37.0%	71.74	69.6%	741.96	80.5%
Morbidity	6.46	0.9%	8.73	7.1%	2.79	2.7%	17.98	2.0%
Total indirect costs	631.24	90.7%	54.17	44.1%	74.53	72.3%	759.94	82.4%
		100%						1000



SunSmart Strategy

- Slip on sun protective clothing that covers as much of your body as possible.
- Slop on SPF 30 or higher broad-spectrum, water-resistant sunscreen, at least 20 minutes before sun exposure. Reapply every two hours when outdoors or more often if perspiring or swimming.
- Slap on a broad-brimmed hat that shades your face, neck and ears.
- Seek shade.
- Slide on sunglasses.





Table 1: Risk Factors		
Examples		
Fair skin Freckles Blonde or red hair Blue eyes		
Excessive exposure to sunlight or tanning booths Tendency to burn, not tan History of severe sunburns		
Atypical moles (dysplastic nevi) Many benign moles		
Personal history of melanoma Personal history of other skin cancers Family history of melanoma Immunosuppression		
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An Approach to Skin Lesions: Benign, Pre-malignant, Malignant

Benign

Skin tags, hemangiomas, sebhorreic keratoses, sebaceous hyperplasia, congenital nevi, compound acquired nevi, junctional nevi...

- General Clinical features: if not already present, develop slowly and do not change quickly
- Can be flat or polypoid, do not bleed spontaneously, not tender to palpation
- Features under dermoscopy architecturally organized, often with classical, typical features







Seb Ks

- Most common benign skin lesion developed with age (generally at least one by age 60)
- 'glued on' appearance
- Often confused as a possible malignant lesion
- Dermoscopic features: milia-like cysts and several comedo-like openings, gyri (brain like appearance)



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Non-Pigmented Lesions

Benign

- Oermatofibroma
- Keloids
- Sebaceous Cysts
- Lipomas
- Clear Cell Acanthomas
- Sebaceous Hyperplasia

















- Ongenital/ Acquired Nevi
- Junctional Nevi
- Compound Nevi
- Spitz Nevis
- Lentigo
- Hemangioma









































Menzies Method Reference For Pigmented Lesions

- <u>http://www.dermoscopy.org/consensus/2</u>
 <u>c.asp</u>
- Negative Features
 - Symmetry of Pattern
 - Presence of a single colour



Pre-Malignant Pigmented (?)

Atypical Moles / Nevi (formerly Dysplastic / Clark's Nevi)



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Atypical/ Dysplastic Nevi

ATYPICAL MOLES are unusual-looking benign (noncancerous) moles, also known as dysplastic nevi (the plural of "nevus," or mole). Atypical moles may resemble melanoma, and people who have them are at increased risk of developing melanoma in a mole or elsewhere on the body.









Positive Features

- Radial Streaming
- Scar-Like Depigmentation
- Peripheral black dots/ globules













More Benign Acral Nevi







Benign vs Malignant

BENIGN

- Light to Dark Brown Lines or Bands that are Parallel, regular in colour and width as the band extends from the nail fold to free nail edge
- Borders should be clearly defined and width is usually < 3mms.



Malignant (Melanoma)

- Pigmentation becomes wider at proximal end
- More irregular pigmentation (multiple tones)
- Extends to involve adjacent nail fold (Hutchinson Sign)
- May develop nodule, ulcerate or bleed
- May cause thinning, cracking, distortion of the nail plate





Monitoring

Short Term (3-6 months)

- Suspicious lesions that do not meet dermoscopic criteria for melanoma *, lesions with minor atypia but recent history of patient noted change
- Reasons to excise any change other than:
 - a. Increase/decrease in milia-like cysts
 - b. Diffuse increase/decrease in pigmentation without architectural change,
 - c. Increase in size of Spitz nevi/ nevi with simple peripheral brown globules







Biopsy

Non-Pigmented

- Curette /Cryo, Shave
- Complete excision with margins (0.4 cm)

Pigmented

- Complete excisional biopsy with narrow margins for diagnosis
- Selective Punch Biopsy
- Pigmented Lesion Assay (PLA) New Non-Invasive Gene Expression Testing – NPV – 99%! Ie) only misses 1 %
- Reduces Number Needed to Biopsy to 2.7 (vs 20-25)





(American Joint Committee on Cancer)

O Primary Tumour

- Tx cannot be assessed ie) curettaged/ severely regressed / incompletely excised)
- T0 No evidence of primary tumour
- Tis MIS
- T1 1.0 mm or less in thickness
- T2 1.01mm- 2.0 mm
- T3 2.01mm 4.0 mm
- T4 >'er than 4.0 mm









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Office1 Microsoft Office User, 3/26/2018



























Take Home Queries? Is your patient at higher risk? (Skin Type) Have they noticed any lesions that bleed easily, are changing in colouration, size or appearance? Is it pigmented or not ? What features does it have macroscopically and under the dermoscope? Does it need to be excised or monitored? If monitored how often and when?











