


Melanoma: UK Cancer Registry Data



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Background: melanoma in older patients

- Melanoma: constitutes 4% of cancer diagnoses in UK.
- Older patients often present with poor prognostic features:
 - Ulceration
 - High mitotic rate
 - Thicker melanomas
 - Head and neck location
 - MacDonald et al, J of Cancer 2011
 - Tsai et al, Nat Rev Clin Oncol 2010
- Age is an independent poor prognostic factor
 - Balch et al, JCO 2001

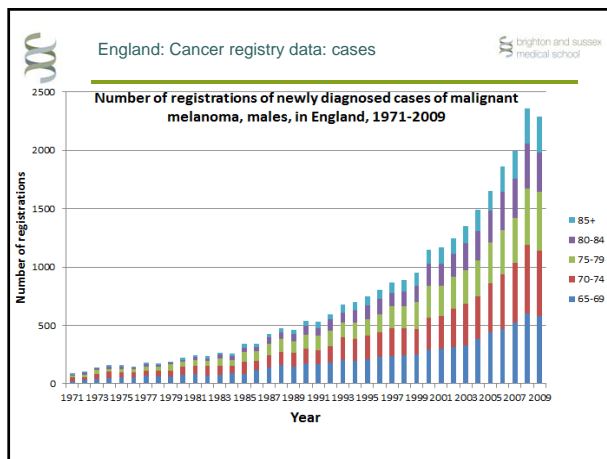
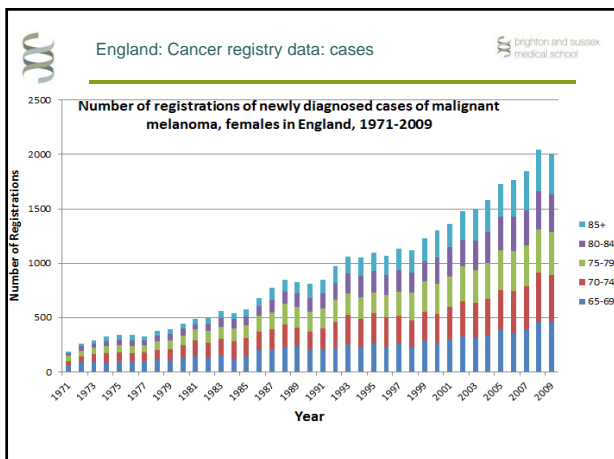
UK Cancer registry data

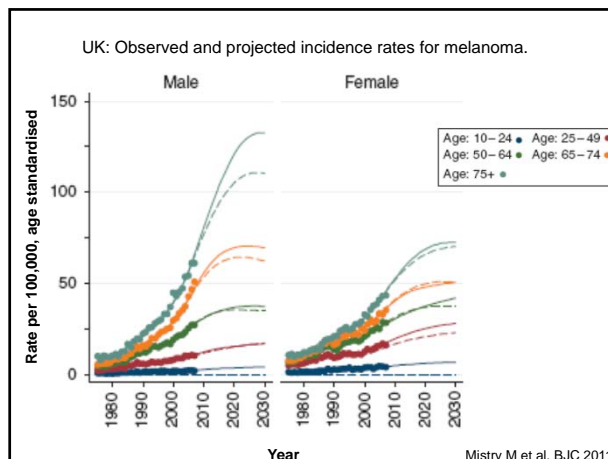
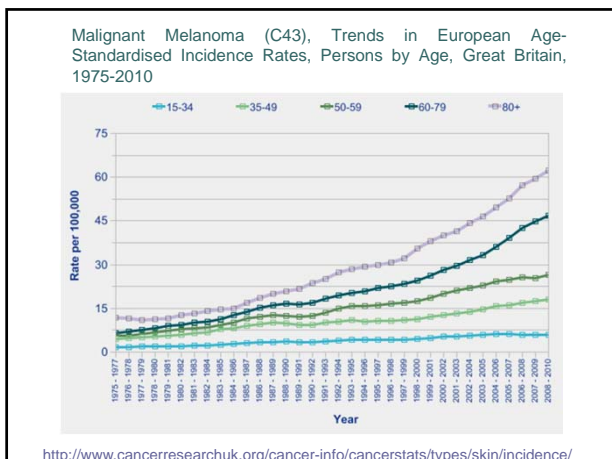
- Cancer registration carried out by regional registries which collect information on cancers registered to residents in their areas. These cancer registrations are subsequently submitted to Office for National Statistics (ONS) as a standard dataset.
- Data requested from the Office for National Statistics describing new registrations in England of melanoma (coded as 172 in the 8th and 9th Revisions [ICD-8 & 9] of the International Classification of Diseases and as C43 in the 10th Revision [ICD-10]).
- Data was available for 1971-2009 and was analysed according to 5 year age bands, presented separately for each gender.

England: Cancer registry data: cases

	Age of patient with newly diagnosed malignant melanoma (years)																Total			
	<1	01-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
Female 1971	0	0	0	0	11	21	45	28	64	67	85	87	79	64	59	43	46	27	12	738
Male 1971	0	1	1	0	6	16	14	13	21	32	42	31	57	33	23	30	16	9	11	356
Female 2009	0	0	0	3	24	80	162	229	305	445	424	385	413	592	460	429	397	344	372	5064
Male 2009	0	0	0	4	16	47	81	126	188	290	311	323	397	637	580	562	499	340	306	4707

Number of registrations of malignant melanoma, males and females, England, for 1971 and 2009, divided into 5-year age-brackets





Melanoma in older patients: mortality

- In US 1990-2004:
 - People aged <65: mortality decreased 0.9% annually.
 - People aged ≥65: mortality increased by 1.7% annually.
- In Italy between 1970-4 and 2006-2008:
 - 6-8 fold increase in melanoma deaths in 65-84 year olds.

1. Deaths from malignant melanoma, age adjusted (2000 US standard) mortality rate among non-Hispanic whites for 2004: annual percent change in mortality rates 1990-2004, from Linos et al, Journal of Investigative Dermatology 2009.
 2. Bidoli et al, BMC Cancer 2012.

Melanoma in older patients: local data

- 1/2001-12/2006: 454 patients newly diagnosed melanoma (stage I-III).

	Patient Age (Years)						Total
	<40	40-49	50-59	60-69	70-79	≥80	
Number of patients	71	68	95	68	89	63	454
Percentage	15.6%	15.0%	20.9%	15.0%	19.6%	13.9%	100.0%

- Older patients were more likely to present with more advanced (stage IIB-III) disease: 22% vs 8.5 % (age ≥60 years vs <60, p<0.01).

T.Collins, poster SIOG 2012

Conclusions

- Registrations of melanoma in older patients have increased.
- Mortality from melanoma increasing in older patients.
- There are already a large number of older patients who are being diagnosed with melanoma which are at high risk of recurrence.
- Implications for adjuvant therapy trials.