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Jacobs, C. and Dancyger, Caroline and Smith, Jonathan A. and Michie, S. (2015) Accuracy of recall of information about a cancer-predisposing BRCA1/2 gene mutation among patients and relatives. *European Journal of Human Genetics* 23 , pp. 147-151. ISSN 1018-4813.

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Table 1. Mean number of accurate and inaccurate statements for each family according to type of family member and category of information.

Family no	Patients (One patient per family)				Relatives (Mean for relatives in each family)			
	General genetics information		Hereditary cancer information		General genetics information		Hereditary cancer information	
	Accurate	Inaccurate	Accurate	Inaccurate	Accurate	Inaccurate	Accurate	Inaccurate
1	4.00	3.00	9.00	9.00	2.00	5.00	2.00	16.00
2	2.00	2.00	5.00	8.00	2.00	2.00	4.00	9.00
3	7.00	1.00	10.00	8.00	4.50	3.50	6.50	11.50
4	4.00	3.00	6.00	7.00	7.00	0.00	6.00	7.00
5	3.00	3.00	5.00	8.00	4.00	2.00	1.50	11.50
6	2.00	2.00	4.00	12.00	2.67	1.33	2.67	13.33
7	5.00	1.00	10.00	7.00	3.00	3.00	6.50	10.50
8	4.00	1.00	11.00	4.00	3.00	2.00	3.67	11.33
9	2.00	3.00	4.00	7.00	2.00	3.00	0.00	11.00
10	6.00	3.00	7.00	7.00	4.00	5.00	3.00	11.00
Mean	3.90	2.20	7.10	7.70	3.42	2.68	3.58	11.22
Median	4.00	2.50	6.50	7.50	3.00	2.50	3.33	11.17
SD	1.73	0.92	2.69	2.00	1.55	1.56	2.21	2.38

Table 2. Mean number (and percentage) of accurate and inaccurate statements recalled about all information by patients and relatives.

Patients		Relatives	
n (%)		n (%)	
Accurate	Inaccurate	Accurate	Inaccurate
110.00 (53%)	99.00 (47%)	70.00 (30%)	139.00 (70%)

Table 3. Mean number (percentage) of accurate and inaccurate statements recalled about general genetics and hereditary cancer information by patients and relatives

Information type	Patients		Relatives		Patients and Relatives combined n (%)	
	Accurate	Inaccurate	Accurate	Inaccurate	Accurate	Inaccurate
General genetics info	39.00 (64%)	22.00 (36%)	34.00 (56%)	27.00 (44%)	73 (60%)	49 (40%)
Hereditary cancer info	71.00 (48%)	77.00 (52%)	36.00 (24%)	112.00 (76%)	107 (36%)	189 (64%)
Mean	55.00	49.50	35.00	69.50	90	119
SD	22.63	38.39	1.41	60.10	24.04	98.99

Table 4. Mean accuracy scores for relatives receiving information from different sources

Source of information	Information level	Family no.	Mean scores for relatives in all families		Mean	SD
			Accurate n (%)	Inaccurate n (%)		
Patient + letter + genetics consultation	3	3, 4	24.00 (52%)	22.00 (48%)	23.00	1.41
Patient + letter/ genetics consultation	2	2,5,6,7,8,10	40.00 (33%)	82.00 (67%)	61.00	29.70
Patient only	1	1, 9	6.00 (15%)	35.00 (85%)	20.5	20.51

Family no	<i>BRCA1/2</i> mutation	Patient	Relative 1	Relative 2	Relative 3
		Type of cancer & age at diagnosis; age at interview	Relationship to patient; cancer unaffected/ affected & age at diagnosis; <i>BRCA</i> +ve/ -ve/ awaiting result/ untested; age at interview	Relationship to patient; cancer unaffected/ affected & age at diagnosis; <i>BRCA</i> +ve/ -ve/ awaiting result/ untested; age at interview	Relationship to patient; cancer unaffected/ affected & age at diagnosis; <i>BRCA</i> +ve/ -ve/ awaiting result/ untested; age at interview
1	<i>BRCA1</i>	FTC; 53; 55	sister; BC 45; untested; 50	daughter; unaffected; untested; 28	
2	<i>BRCA2</i>	BC 28; 38	niece; unaffected; <i>BRCA</i> -ve; 38;	sister; unaffected; +ve; 50	
3	<i>BRCA2</i>	BC 37 & 59; 60	daughter; unaffected; <i>BRCA</i> +ve; 41	paternal cousin (female); OC 55; <i>BRCA</i> -ve; 64	
4	<i>BRCA1</i>	BC & OC 70; 71	niece; unaffected; untested; 34	daughter; unaffected; awaiting result; 33	
5	<i>BRCA2</i>	BC 59; 64	son; unaffected; untested; 39	son; unaffected; <i>BRCA</i> -ve; 35	
6	<i>BRCA1</i>	BC 34 & OC 63; 64	sister; OrC 63; <i>BRCA</i> +ve; 65	brother; unaffected; awaiting result; 60	brother; unaffected; awaiting result; 49
7	<i>BRCA2</i>	OC 60; 63	son; unaffected; untested; 37	son; unaffected; untested; 35	
8	<i>BRCA1</i>	BC 40; 43	daughter; unaffected; untested; 20	first cousin unaffected; untested; 37	aunt; BC 51; 54
9	<i>BRCA1</i>	BC 33; 34	sister; unaffected; untested; 21	sister; unaffected; untested; 22	
10	<i>BRCA1</i>	BC 49 & OC 60; 63	daughter; unaffected; untested; 26	daughter; unaffected; untested; 29	

Table of participants' characteristics

Key - BC: breast cancer; OC: ovarian cancer; FTC: fallopian tube cancer; OrC: oral cancer; *BRCA* +ve: individual has the familial *BRCA1/2* mutation; *BRCA*-ve: individual does not have the familial *BRCA1/2* mutation; unaffected: individual does not have cancer.