Abstract

Inherited Breast Cancer

Aphrodite V. Nonni¹, Niki J. Agnantis¹,
Emmanuel Kontostolis² and Dimitrios Lolis²

¹*Pathology Department, University Hospital
of the Ioannina Medical School, Ioannina,
Greece*

²*Clinic of Obstetrics and Gynaecology,
University Hospital of the Ioannina Medical
School, Ioannina, Greece*

During an eight-year period (January 1991–January 1999) a total of 11,200 women were examined at the breast out-patient Department of the University Hospital.

Of these, 7,750 were registered for the first time

and 3,450 repeated their visit for different reasons. Of the 7,750 women, breast cancer was diagnosed in 261, who were treated appropriately. Out of the 261 breast cancer patients 9 (3.44%) had a family history. We summarise the collected data of these 9 patients in Table 1.

The mean age of these 9 patients is 46 years and the median age 49.2 years. Additionally, the mean time of FU is 47 months and the median time 40.77 months.

Two procedures are ongoing: the immuno-histochemical evaluation of the monoclonal antibody BRCA1 (oncogene) and the molecular study of the BRCA1 and BRCA2 germline mutation.

Table 1

Pt. no.	Age	T. size in cm.	T. Histo-type	T. Grade	L. Inf.	ER*	PgR*	LNM	FU in months	Relatives with BC	Age D/S and FU of relatives
1	64	2.5	ID. NST	II	–	50% (++)	40% (++)	0/4	51 NED	1 sister	36 D/S 39 died
2	46	3	DCIS all types	III N.Gr.	–	60% (+)	> 75% (+++)	0/8	26 NED	Mother	73 D/S 75 died
3	28	4	ID. NST	III	–	0% (–)	0% (–)	+1/12	12 NED	Mother	39 D/S 42 died
4	40	1.9	ID. NST	II	+	55% (++)	50% (+)	0/10	52 NED	Mother's sister 1 sister	36 D/S 40 died 42 D/S 47 NED
5	45	4.5	IL	III	–	40% (++)	< 25% (–)	+1/36	81.5 NED	Mother	35 D/S 39 died
6	47	4	DCIS comedo	III N.Gr.	–	0% (–)	0% (–)	0/13	11 NED	Mother	50 D/S 54 died
7	67	3	Mucinous	II	–	60% (++)	80% (++)	+1/6	16 NED	Mother	61 D/S 65 died
8	40	3	Mixed ID+IL	II	–	0% (–)	0% (–)	0/4	57.5 NED	Mother 1 sister	79 D/S 83 died 46 D/S 53 NED
9	66	4	ID. NST	II	+++	< 25% (–)	~30% (+)	+3LN block	47 NED	1 sister	54 D/S 55 died

* Evaluated immunohistochemically; Key to abbreviations: Pt. = patient, T. = tumour, N.Gr. = Nuclear Grade, L.Inf. = Lymphocytic Infiltration, ER = Estrogen Receptor, PgR = Progesterone Receptor, LNM = Lymph node metastases, FU = Follow-up, D/S = Diagnosis, ID. NST = Invasive ductal, no special type, DCIS = Ductal carcinoma in situ, IL = Infiltrating lobular, NED = No evidence of disease.