

Table 1:
Heavy metal content in breast cancer (n = 20) and healthy breast tissue (n = 8) biopsies

Breast Cancer Biopsies						
	Fe	Ni	Cr	Zn	Hg	Cd
Patients	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1	27,381	893	655	6,268	2.1	165
2	205,930	733	410	6,420	4.1	33
3	14,664	530	316	6,022	1.8	168
4	29,813	760	513	9,594	8.2	43
5	48,573	1,001	366	13,068	6.1	35
6	32,347	921	701	8,965	33.4	62
7	47,796	949	855	5,929	7.8	120
8	29,385	1,230	838	8,197	7.3	9
9	37,154	469	313	32,642	9.1	142
10	142,391	1,285	968	56,838	4.9	20
11	80,164	1,152	4,415	22,888	11.9	124
12	58,453	1,433	1,786	97,895	12.5	40
13	106,350	3,361	5,978	32,917	2.2	551
14	28,723	490	458	1,326	5.2	22
15	65,112	988	793	50,516	9.0	96
16	84,816	1,057	906	21,082	7.6	16
17	76,608	1,277	1,362	53,336	45.9	42
18	72,376	1,528	1,389	53,709	6.5	42
19	42,254	624	708	6,953	2.8	34
20	57,774	1,142	1,562	27,319	4.1	29
Median	53,174	995	816	17,075	6.9	42
Healthy Breast Tissue Biopsies						
	Fe	Ni	Cr	Zn	Hg	Cd
Controls	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1	5,331	32	29	2,548	2.5	6
2	11,448	11	19	3,509	6.6	8
3	21,646	19	36	3,973	2.3	23
4	11,424	32	119	2,940	1.9	5
5	10,138	33	70	4,032	2.5	8
6	10,450	23	54	5,600	0.2	28
7	17,200	12	41	9,339	0.1	27
8	8,261	15	25	2,607	0.1	30
Median	10,937	21	39	3,741	2.1	16
Significance	p<0.0001	p<0.00005	p<0.00005	p<0.001	p<0.005	p<0.005

All results represent the mean of three determinations.