	Age	Primary breast cancer	Molecular subtype of breast cancer	Neoadjuvant therapy	Mutation profile	Imagistics	BIRADS contralateral breast	Oncoplastic breast conserving surgery + immediate symmetrisation	Mastectomy + Delayed mammareduction symmetrisation	Mastectomy + prophylactic mastectomy	Weight resection specimen	No of hystologic blocks	Pathologic lesions in contralateral breast	Molecular subtype /biologic profile	Breast surgical reintervention	Axilla surgery	Adjuvant therapy
1	42	IDC + DCIS left breast	Luminal B HER2 positive	Chemotherapy + Dual Anti Her2 therapy	No	US Mammography	2	No	Inferior pedicle technique	No	365g	10	DCIS + ALH	-	No	Axillary sampling	Radiotherapy +Hormonotherapy+ anti Her2 therapy
2	73	ILC + LCIS left breast	Luminal B HER2 negative	Chemotherapy	No	Mammography MRI	1	No	Supero-intern pedicle technique	No	405g	12	cLCIS	-	No	No	Hormonotherapy
3	71	ILC left breast	Luminal A	Hormonotherapy	No	Mammography MRI	2	Inferior pedicle technique	No	No	320g	12	ILC	Luminal A	No	Axillary sampling	Bilateral Radiotherapy +Hormonotherapy
4	72	IDC + DCIS left breast	Luminal A	Hormonotherapy	No	US Mammography	2		Supero-extern pedicle technique	No	510g	10	ADH	-	No	No	Hormonotherapy
5	57	IDC right breast	Luminal B HER2 negative	Chemotherapy	No	US Mammography	1	Supero-intern pedicle technique	No	No	375g	8	cLCIS	-	No	No	Hormonotherapy
6	64	IDC + DCIS right breast	Luminal B HER2 positive	Chemotheraphy + Dual Anti Her2 therapy	No	US Mammography	2	Inferior pedicle technique	No	No	605g	14	ILC + LCIS	Luminal B HER2 negative	Left breast mastectomy	ALND	Radiotherapy
7	55	IDC left breast	Luminal B HER2 positive	Chemotherapy + Dual Anti Her2 therapy	*CHEK 2*	US Mammography MRI	3	No	Supero-intern pedicle technique)	No	480g	12	Mucinous carcinoma	Luminal A	No	Axillary sampling	Bilateral radiotherapy+Hormonotherapy+ anti Her2 therapy
8	57	IDC left breast	Luminal A	No	No	US Mammography	1	Supero-intern pedicle mammoreduction technique	No	No	270g	6	ALH	-	No	No	Hormonotherapy
9	57	ILC right breast	Luminal A	No	*BRCA1*	Mammography MRI	1	No	No	Yes	180g	8	ILC	Luminal A	No	ALND	Hormonotherapy
10	52	IDC left breast	Luminal B HER2 positive	Chemotherapy C+ Dual Anti Her2 therapy	No	US Mammography MRI	3	Inferior pedicle technique	No	No	680g	18	ADH	-	No	No	Radiotherapy left breast + Hormonotherapy+ anti Her2 therapy
11	36	IDC left breast	TNBC	Chemotherapy + Imunotherapy	*BRCA1*	MRI US Mammography	2	No	No	Yes	245g	10	IDC	TNBC	No	ALND	Parp inhibitors + Radiotherapy+Imunothherapy
12	28	ILC right breast	Luminal B HER2 negative	Chemotherapy	*BRCA2*	Mammography MRI	1	No	No	Yes	180g	10	ILC	Luminal B	No	ALND	Mastectomy + Radiotherapy+Hormonotherapy
13	46	ILC left breast	TNBC	Chemotherapy Imunotherapy	*BRCA1*	MRI US Mammography	1	No	No	Yes	470g	16	ALH	-	No	No	Radiotherapy left breast +Imunotherapy
14	66	IDC left breast	Luminal A	No	No	US Mammography	2	Supero-intern pedicle mammareduction technique	No	No	295g	10	ADH	-	No	No	Radiotherapy left breast + Hormonotherapy
15	80	IDC right breast	Luminal B HER2 negative	Chemotherapy	No	MRI US Mammography	1	Supero-intern pedicle mammareduction technique	No	No	410 g	8	ALH	-	No	No	Radiotherapy right breast + Hormonotherapy
16	58	IDC left breast	Luminal B HER2 negative	Chemotherapy	No	US Mammography	2	Superior pedicle mammareduction technique	No	No	255g	9	ADH	-	No	No	Hormonotherapy
17	38	IDC left breast	Luminal B HER2 positive	Chemotherapy + Dual anti HER2 therapy	No	MRI US Mammography	1	No	Inferior pedicle mammareduction technique	No	475g	9	ADH	-	No	No	Hormonotherapy + anti Her2 therapy

18	50	IDC left breast	Luminal A	No	No	MRI US Mammography	3	Inferior pedicle mammareduction technique	No	No	540g	16	ALH	-	No	No	Hormonotherapy
19	52	IDC left breast	Luminal B HER2 negative	Chemotherapy	No	US Mammography	1	No	Superior pedicle mammareduction technique	No	315g	7	cLCIS	-	No	No	Hormonotherapy + Radiotherapy left breast
20	68	ILC right breast	Luminal B HER2 negative	Chemotherapy	No	MRI US Mammography	2	Inferior pedicle mammareduction technique	No	No	580	18	ILC	Luminal B	Mastectomy	SLN positif	Bilateral Radiotherapy+ Hormonotherapy
21	42	IDC right breast	Luminal B HER2 negative	Chemotherapy	No	US Mammography	2	No	Supero-intern pedicle mammareduction technique	No	240g	9	cLCIS	-	No	No	Hormonotherapy

Table S1 Patients with incidental contralateral carcinomas and B3 lesions on symmetrisation: IDC- invasive ductal carcinoma, DCIS- ductal carcinoma in situ, ILC – invasive lobular carcinoma, cLCIS- classic lobular carcinoma in situ, ADH- atypical ductal hyperplasia, ALH- atypical lobular hyperplasia, HER2- human epidermal growth factor receptor 2, BRCA- breast cancer gene, CHEK2- Checkpoint kinase 2, US- ultrasonography, MRI-magnetic resonance imaging, SLN- sentinel lymph node