Supplementary Table 1. Clinical demographic data of patients

Variable	Type	Description
Age	Continuous	Age
Symptom	Category	1: no symptom
		2: pain
		3: mass or lump
		4: discharge
Size	Continuous	Size (mm)
Past breast cancer history	0–1	
Breast biopsy	0–1	Breast biopsy for benign disease
Screening	0–1	Breast cancer screening history
Previous breast augmentation	0–1	
History of ovary cancer	0–1	
Radiation treatment	0–1	Radiation treatment history
DM	0–1	Diabetes mellitus
TBC	0–1	Tuberculosis
HT	0–1	Hypertension
Hepatitis	0–1	Hepatitis
Smoking	0–1	Smoking
Alcohol drinking	Continuous	Drinking (per month)
Education	Category	1: elementary school
		2: middle school
		3: high school
		4: university
		5: graduate school
Economic status	Category	Economic status
		1: low
		2: middle
		3: high
Occupation	0–1	
Weight	Continuous	Weight (kg)
Height	Continuous	Height (cm)
Menarche	Continuous	Age at menarche
Menstruation status	Category	0: menopause
		1: premenopause
		2: postmenopause
Menopause	Continuous	Age at menopause
Menstruation cycle	0–1	0: irregular, 1: regular
Menstruation period	Continuous	Menstruation cycle (day)
Ever married	0–1	History of marriage
Birth	0–1	0: nonparous
		1: birth experience
First baby	Continuous	Age at birth of first baby
Children	Continuous	Number of children
Breast-feed	0–1	History of breast-feeding
Hysterectomy	0–1	History of hysterectomy
Oophorectomy	0–1	History of oophorectomy
Oral pill	0–1	History of taking oral contraceptives
HRT	0–1	Hormone replacement therapy
Tamoxifen	0–1	History of taking tamoxifen
FHx breast cancer	0–1	Family history of breast cancer
FHx ovary cancer	0–1	Family history of ovary cancer
FHx cancer	0–1	Family history of other cancer

DM, diabetes mellitus; TBC, tuberculosis; HT, hypertension; HRT, hormone replacement therapy; FHx, family history.