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## LIST OF ABBREVIATIONS

<b>PCBs</b>	Polychlorinated biphenyls
<b>AT</b>	Adenine thymine.
<b>FNAC</b>	Fine needle aspiration cytology
<b><i>BRCA1</i></b>	Breast cancer gene 1
<b><i>BRCA2</i></b>	Breast cancer gene2
<b>FR</b>	Free radicals
<b>ROS</b>	Reactive oxygen species
<b>DNA</b>	Deoxyribonucleic acid
<b>ATP</b>	Adenine triphosphate
<b>DCIS</b>	Ductal carcinoma in situ
<b>LCIS</b>	Lobular carcinoma in situ
<b>IDC</b>	Invasive ductal carcinoma
<b>ILC</b>	Invasive lobular carcinoma
<b>HDI</b>	Histone deacetylase inhibitors
<b>SERMs</b>	Selective Estrogen Receptor Modulators
<b>AIs</b>	Aromatase Inhibitors
<b>NADPH</b>	Nicotinamide adenine dinucleotide phosphate.
<b>p53</b>	Protein 53 or tumor protein 53.
<b>MDA</b>	Malodialdehyde
<b>SOD</b>	Superoxide dismutase
<b>RE</b>	Retinyle ester
<b>ER</b>	Estrogen receptor
<b>PR</b>	Progesterone receptor
<b>FAC</b>	5-fluorouracil, Adriamycin, and cyclophosphamide
<b><math>\beta</math>-CP</b>	$\beta$ -carbonyl protein
<b>TAOC</b>	Total antioxidant capacity
<b>Q10</b>	Coenzyme 10
<b>GSHPx</b>	Glutathione peroxidase
<b>GR</b>	Glutathione reductase
<b>Arg</b>	Arginine
<b>Lys</b>	Lycine
<b>Pro</b>	Proline

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**Thr**

Threonine

**VLDL**

Very low density lipoprotein

**LDL**

Low density lipoprotein

**HDL**

High density lipoprotein