

Supplementary Online Content

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eFigure. Correlation Between Serum Leptin Levels and BMI

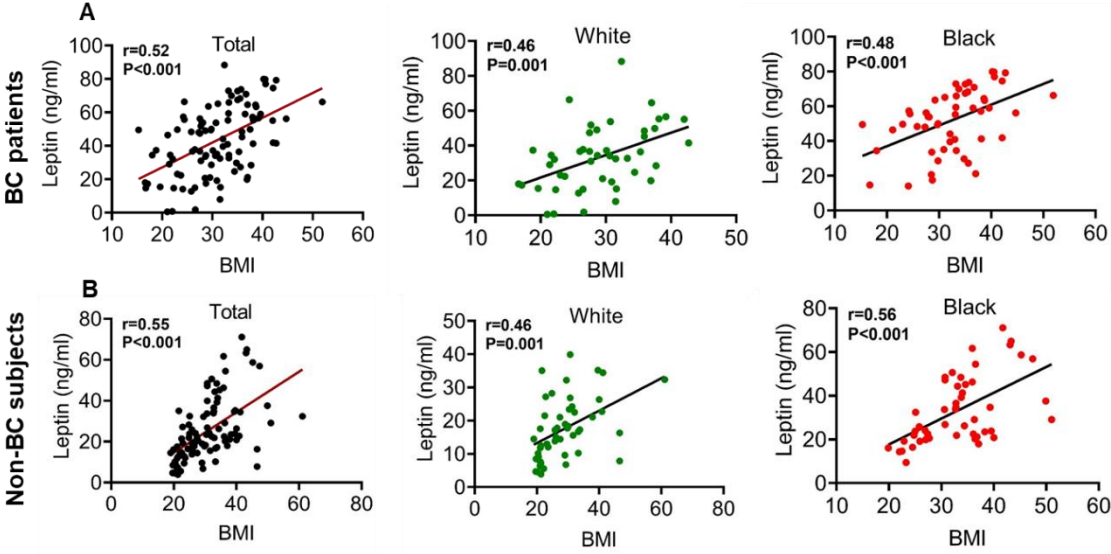
eTable 1. Details of Counties and States of Retrospective Cohort (2017-2022)

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This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure 1. Correlation between serum leptin levels and BMI.



(A) Correlation between serum leptin and BMI of total, White, and Black BC and (B) non-BC subjects (P value=Pearson correlation).

eTable 1: Details of counties and states of retrospective cohort (2017-2022)

County	State	Number of patients, No (%)
Baldwin	AL	341 (31.43)
Cameron	LA	1 (0.09)
Cherokee	GA	1 (0.09)
Choctaw	AL	7 (0.65)
Clarke	AL	38 (3.50)
Clarke	MS	1 (0.09)
Coffee	AL	1 (0.09)
Covington	AL	3 (0.28)
Dale	AL	1 (0.09)
Dallas	AL	1 (0.09)
Escambia	AL	17 (1.57)
Escambia	FL	1 (0.09)
Forrest	MS	1 (0.09)
George	MS	16 (1.47)
Greenville	SC	1 (0.09)
Gwinnett	GA	1 (0.09)
Harrison	MS	14 (1.29)
Howell	MO	1 (0.09)
Jackson	MS	38 (3.50)
Jefferson	AL	1 (0.09)
Jones	MS	2 (0.18)
Lauderdale	MS	2 (0.18)
Lee	AL	1 (0.09)
Marengo	AL	2 (0.18)
Mobile	AL	542 (49.95)
Monroe	AL	9 (0.83)
Morgan	GA	1 (0.09)
Nash	NC	1 (0.09)
Okaloosa	FL	5 (0.46)
Ottawa	MI	1 (0.09)
Saint Joseph	MI	1 (0.09)
Santa Rosa	FL	3 (0.28)
Stone	MS	3 (0.28)
Washington	AL	20 (1.84)
Washington	FL	1 (0.09)
Wayne	MS	1 (0.09)
Whatcom	WA	2 (0.18)
Wilcox	AL	2 (0.18)
Total		1085

eTable2. Characteristics of prospective enrolled patients

		Number of patients, No. (%)			
		BC (n=99)		Non-BC (n=100)	
Characteristic					
Race		Black	White	Black	White
		53 (54)	46 (46)	50 (50)	50 (50)
Age	Median (y)	56	60	36	32
BMI	Normal weight (NW)	8 (15)	13 (28)	7 (14)	21 (42)
	Over weight (OW)	12 (23)	12 (26)	8 (16)	11 (22)
	Obese (Ob)	33 (62)	21 (46)	34 (68)	18 (36)
	Missing	0	0	1 (2)	0
Subtype	Luminal-A	29 (55)	33 (72)	NA	
	Luminal-B	2 (4)	4 (9)	NA	
	HER2-enriched	5 (9)	3 (6)	NA	
	TNBC	16 (30)	6 (13)	NA	
	Missing	1 (2)	0	NA	

Abbreviations: BC, Breast Cancer; BMI, body mass index (calculated as weight in kilograms divided by height in meters squared); y, years; TNBC, triple-negative breast cancer

eTable3: Serum levels of leptin in BC and non-BC patients

Leptin (ng/ml)				
		Black	White	<i>P</i> value
BC patients	Range (median)	14-80 (55.3)	0.5-89 (33.4)	<i>P</i> <0.001
	IQR	40.3-66.2	18.9-47.7	
Non-BC patients	Range (median)	9-72 (29.1)	3.5-40 (16.5)	<i>P</i> <0.001
	IQR	21.1-46.5	10.0-22.9	