DEPARTMENT OF CHEMICAL PATHOLOGY AND IMMUNOLOGY, FACULTY OF BASIC MEDICAL SCIENCES, OLABISI ONABANJO UNIVERSITY, OGUN STATE.

TITLE:

Reduced plasma lecithin cholesterol acyltransferase and paraoxonase-1 levels in atherosclerotic cardiovascular disease (ASCVD) patients in Nigeria.

Dear Sir/Madam,

This questionnaire is aimed at studying the above subject so as to provide supportive evidence that the aforementioned non-conventional lipid-related biomarkers will improve ASCVD risk prediction and management in this community. Please, I indulge you to respond honestly and tick the appropriate box. Information given will be treated with strict confidentiality. Names and addresses are not required. Thank you.

SECTION A: SOCIODEMOGRAPHIC FACTORS

1. Age (years)

   How old were you on your last birthday; ……….

2. Sex: (i) Male ☐ (ii) Female ☐

3. Marital status

(i) Single ☐ (ii) Married ☐ (iii) Divorced ☐ (iv) Others ☐

4. Ethnic group

(i) Yoruba ☐ (ii) Igbo ☐ (iii) Hausa ☐ (iv) Others ☐

5. To which of these classes of income do you belong?

(i)   Low ☐   (ii) Middle   ☐   (iii) High   ☐

6. Please indicate the highest level of education you have completed.?
(i)   Never attended school
(ii)   Primary school
(iii)   Secondary/ Grammer/ High school
(iv)   Technical/ polytechnic/ College of Education
(V)   University

7. What is your occupation?
Are you a

1. manager
2. Professional/ Academician
3. Technician
4. Administrator
5. Chief executive officer of a big company
6. Artisans
7. Student
8. Retiree/ Pensioner
9. Unemployed

What is the occupation of your spouse?

1. Manager
2. Professional/ Academician
3. Technician
4. Administrator
5. Chief executive officer of a big company
6. Artisans
7. Student
8. Retiree/Pensioner
9. Unemployed

NB

Low-socio-economic class group; the petty traders, peasant farmers, artisans, cleaners and

junior staff in public offices with primary- secondary education.

Middle socio-economic class group; workers in the senior level cadre with university

education.

High socio-economic class group; executive business class, captains of industries and directors of institutions.

SECTION B (ANTHROPOMETRIC CHARACTERISTICS)

Weight (Kg)………………… Height (m)……………. Pulse rate (beat/min) …………..

BMI (Kg/m^2):…………Blood pressure (mmHg)…………. Percentage body fat (%)………

Waist circumference (m)……………….. Hip circumference (m)………………...

SECTION C (MODIFIABLE RISK FACTORS OF CVD)

1. Alcohol use;
   (i)   Non-user ☐   (ii) moderate ☐   (iii) excessive ☐

2. Smoking habit
   (i)   Ex-user ☐   (ii) never smoke ☐   (iii) smoker ☐
3. Physical activity level

(i) Very Low ☐   (ii) low ☐   (iii) moderate ☐   (iv) high ☐

SECTION D (MEDICAL HISTORY)

Do any of the below medical conditions applicable to you?

(i)	Pregnant (female)	Yes	☐	No	☐
(ii)	Osteoporosis (bone diseases)	Yes	☐	No	☐
(iii)	Diabetes mellitus	Yes	☐	No	☐
(iv)	Contraceptives use (hormonal)	Yes	☐	No	☐
(v)	Lipid-lowering medication	Yes	☐	No	☐
(vi)	Other chronic diseases				
	(Cancer, liver, kidney diseases & others)	Yes	☐	No	☐

Supplementary Figure 1: Questionnaire administered to all participants at Lagos State University Teaching Hospital, Lagos, Nigeria, between March 2022 and March 2023.

SUPPLEMENTARY TABLE 1: Stratification of LCAT concentrations based on gender in ASCVD patients and controls at LASUTH, Lagos, Nigeria, between March 2022 and March 2023.

Variables	ASCVD males (n = 65)		ASCVD females (n = 88)		t-value	*p*-value
	Mean	SD	Mean	SD		
LCAT (ng/ml)	36.75	3.88	46.82	4.80	-13.892	<0.001*
	Control males (n = 22)		Control females (n = 28)			
	Mean	SD	Mean	SD		
LCAT (ng/ml)	40.08	5.65	54.16	4.92	-9.407	<0.001*

ASCVD, Atherosclerotic cardiovascular disease; CI, confidence interval (95 %); LASUTH, Lagos State University Teaching Hospital; LCAT, lecithin-cholesterol acyltransferase; n, number of participants; *p*, level of significant; SD, standard variation; *, values differ significantly between genders in ASCVD patients and controls (p < 0.05)