

# SUPPLEMENTARY FILE 1

## Questionnaire and Data Collection Sheet (English)

### Department of Biochemistry and Molecular Biology, BMU

**Study title:** Surrogate Insulin Resistance Indices as Markers of Lifetime Cardiovascular Disease Risk Across Obesity Phenotypes in Bangladeshi Adults: A Cross-Sectional Study

**Name of the researcher:** Dr. Aaysha Siddiqua

#### A. General information

1. Participant identification number: \_\_\_\_\_

2. Age (completed years): \_\_\_\_\_

3. What is your sex?

0= Male

☐

1= Female

4. What is your educational qualification?

☐☐

0= No academic education

1= Self education

2= Primary

3= Secondary and High school

4= Honours

5= Post graduate

88= Others .....Mention

5. What is your occupation?

☐☐

0=Student

1=Government employee

2=Non-government employee

3=Businessman

4=Home maker

5=Manual worker

6=Skilled worker

7=Unemployed

88=Others.....Mention

☐

**6. Have you ever had a stroke?**

0 = No

1= Yes

**7. Have you ever been diagnosed with cardiovascular disease?**

☐

0 = No

1= Yes

**8. Do you have a family history of cardiovascular disease in a first-degree relative <60?**

☐

0 = No

1= Yes

☐

**9. Do you smoke?**

0 = No

1= Yes

**10. Have you previously been diagnosed with hypertension?**

☐

0 = No

1= Yes

**11. Have you previously been diagnosed with diabetes?**

☐

0 = No

1= Yes

**12. Have you previously been diagnosed with rheumatoid arthritis?**

☐

0 = No

1= Yes

**13. Do you have liver disease?**

☐

0 = No

1= Yes

**14. Do you have renal disease?**

☐

0 = No

1= Yes

**15. Do you have a history of malignancy?**

☐

0 = No

1= Yes

16. Do you consume alcohol?

☐

0 = No

1= Yes

17. Are you currently taking any medication?

☐

0 = No

1= Yes

18. If yes, specify the medication(s): \_\_\_\_\_

19. Are you currently pregnant?

0 = No

1= Yes

88 = Not applicable

☐☐

## B. Anthropometric measurements and clinical information

| No. | Measurement              | Recorded value          |
|-----|--------------------------|-------------------------|
| 1   | Height                   | _____ m                 |
| 2   | Weight                   | _____ kg                |
| 3   | Waist circumference      | _____ cm                |
| 4   | Body mass index (BMI)    | _____ kg/m <sup>2</sup> |
| 5   | Systolic blood pressure  | _____ mmHg              |
| 6   | Diastolic blood pressure | _____ mmHg              |

**C. Laboratory test information**

| No. | Laboratory test                               | Result | Unit  |
|-----|-----------------------------------------------|--------|-------|
| 1   | Fasting total cholesterol                     | _____  | mg/dL |
| 2   | Fasting HDL cholesterol                       | _____  | mg/dL |
| 3   | Fasting triglycerides                         | _____  | mg/dL |
| 4   | LDL cholesterol                               | _____  | mg/dL |
| 5   | Fasting blood glucose                         | _____  | mg/dL |
| 6   | Blood glucose 2 hours after oral glucose load | _____  | mg/dL |
| 7   | SGPT                                          | _____  | U/L   |
| 8   | Serum creatinine                              | _____  | mg/dL |

**D. Derived insulin resistance indices**

| No. | Index                                         | Calculated value |
|-----|-----------------------------------------------|------------------|
| 1   | Triglyceride-glucose (TyG) index              | _____            |
| 2   | Triglyceride/HDL cholesterol (TG/HDL-C) ratio | _____            |

**E. Lifetime cardiovascular disease risk**

Estimated lifetime cardiovascular disease risk: \_\_\_\_\_ %

Signature of researcher: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_