

Determinants of nutritional status among older people living in urban and rural area of Yogyakarta.

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Project Start Date 01/08/2015

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1. Human Ethics Research Approval

Approval Obtained From Other NHMRC Certified Human Research Ethics Committee

Approval Number KE/FK/1/77/EC/2015

Approval Date 14/09/2015

2. Chief Investigator Details

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4. Project Aim & Description

Aim	<p>a) To investigate the prevalence of malnutrition among older people living in urban and rural area of Yogyakarta</p> <p>b) To examine the dietary habits, functional status, hospitalization and quality of life of older people living in urban and rural area of Yogyakarta</p> <p>c) To identify and understand the key determinants of nutritional status of older people living in urban and rural area of Yogyakarta</p> <p>d) To recommend potential solutions to improve nutritional status of older people living in urban and rural area of Yogyakarta.</p> <p>e) To provide a recommendation on the most appropriate nutrition-screening tool to identify malnutrition and predict clinical outcomes in the elderly population.</p>
Description	<p>This research project consists of the following studies:</p> <ol style="list-style-type: none"> 1. A cross-sectional study will be conducted to investigate the nutritional status, functional status, hospitalization and quality of life of older people. 2. A qualitative study using in-depth interview to explore the dietary habits, perception, knowledge and understanding on nutritional status and factors affecting their nutritional status of older people. <p>The following data will be collected in the cross-sectional study:</p> <ol style="list-style-type: none"> a. Demographic and socio-economic data b. Medical history and use of medications / supplements c. Blood pressure (systolic/diastolic) and heart rate d. Hospital admission and length of hospital stay in the past 6 months e. Anthropometry, i.e Body weight (kg), height (m), body mass index (kg/m²), Mid-arm circumference, calf circumference, skin-fold thickness, waist circumference, and hip circumference. f. Fat free mass and lean mass measured by Bioelectrical impedance Analysis (BIA) g. Clinical biochemistry, i.e Complete blood count (CBC), albumin, CRP, Interleukin 1 and Interleukin 6 levels. h. Nutritional status measured by various questionnaires. i. Frailty measured by Fatigue, resistance, aerobic, illness, and loss of weight Scale (FRAIL) and Edmonton Frail Scale (EFS). j. Physical Activity and muscle function measured by handgrip strength, 3-m walk test, and International Physical Activity Questionnaire (IPAQ) Instrumental Activity Daily of Living (IADL). k. Mental status measured by Geriatric Depression Scale (GDS), and Mini Mental State Examination scale (MMSE) l. Food intake and dietary habits measured by validated Semi Quantitative-Food Frequency Questionnaire (SQFFQ) and 24-hour recall. m. Food supply and food security measured by structured questionnaire

5. Project Scope

Scope Classification	Human Research Scope/Phlebotomy
Project Location	City of Yogyakarta and Kulon Progo Regency, Special Region of Yogyakarta, Indonesia
Sponsor/Source of Funding	This project is funded under the Community Service and Research Grant Universitas Gadjah Mada, Indonesia

6. Indemnification

Indemnification by Sponsor Yes
Indemnification by Hospital No
Indemnification by University No

7. Participant Numbers and Potential Risk

Year	Number
2015	500
Total	500

Potential Risks To Participants This project is an observational study with very minimal risk. All measurements in the study are non-invasive procedures, except blood collection. However, all blood collection will be conducted by trained phlebotomists from Cito Laboratory, Yogyakarta, Indonesia.

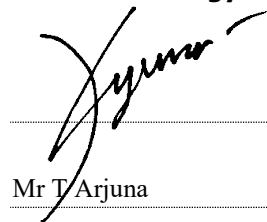
8. IP and Ownership

Is there an Intellectual Property Agreement in place? No
Is there an Ownership and Use Agreement in place? No

9. Declaration

Human Research Approval Notification: "Determinants of nutritional status among older people living in urban and rural area of Yogyakarta."

Signoff



(Chief Investigator Signature)

Print Name

Mr T Arjuna

Date

23 September 2015

Please submit this form to:

The Secretary, Human Research Ethics Committee,
Office of Research Ethics, Compliance and Integrity, Research Branch,
Level 7, 115 Grenfell St,
Adelaide, SA 5005.