



香港社會醫學學院
HONG KONG COLLEGE OF COMMUNITY MEDICINE
founder College of the Hong Kong Academy of Medicine
Incorporated with limited liability



ADMINISTRATIVE MEDICINE

Part I Examination

Tuesday 12 June 2018

15:30 – 18:00 (2½ hours)

Paper IIA

Candidates must answer all parts of this questions

Style, clear grammatical English and legibility will be taken into consideration by the Examiners. Answers should be written in a form appropriate to the audience specified in the question.

Weighting of marks for each part of the question is shown in parenthesis.

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INSTRUCTS YOU TO BEGIN**

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Referring to the article titled “Health Coaching Reduces HbA1c in Type 2 Diabetic Patients from a Lower-Socioeconomic Status Community: A Randomized Controlled Trial” (Journal of Medical Internet Research, 2015, 17(10): e224), please answer the following questions.

1. What clinical question is the study aimed to answer? What are the public health aspects of the study? (10 marks)

2.
 - a. What are the main results of this randomized controlled trial with regards to change in hemoglobin A1c (HbA1c) levels from baseline to 6 months between intervention and control groups as assessed by independent samples t tests using *intention-to-treat* and *per-protocol analysis principles*?

 - b. What are the *between group* results of this randomized controlled trial with regards to i) body mass index (BMI) and (ii) Hospital Anxiety and Depression Scale (HADS) depression subscale at 6th month follow-up, respectively?
(15 marks)

QUESTION CONTINUES

3. Discuss the main results and their implications on the management of HbA1c among patients with type 2 diabetes mellitus (T2DM). Please suggest the future research directions. (15 marks)
4. Comment on the internal validity of this publication and explain why. (25 marks)
5. Can the results be generalized to the situation in Hong Kong and why? (15 marks)

(20 marks for overall understanding and coherence of the answers)

END OF PAPER