



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

16 December 2002

9:30am – 12:00 noon ( 2½ hours )

### Paper IA

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**Candidates must answer all six questions**

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*This paper is intended to test knowledge across the broad range of the discipline. Candidates will be much disadvantaged if they fail to attempt any of the six questions or give grossly inadequate answers to **any** of them. It is, therefore, essential that candidates **ALLOW SUFFICIENT TIME FOR EVERY QUESTION**. Each question will carry a maximum of 10 marks. Please note that marks may be deducted for poor legibility.*

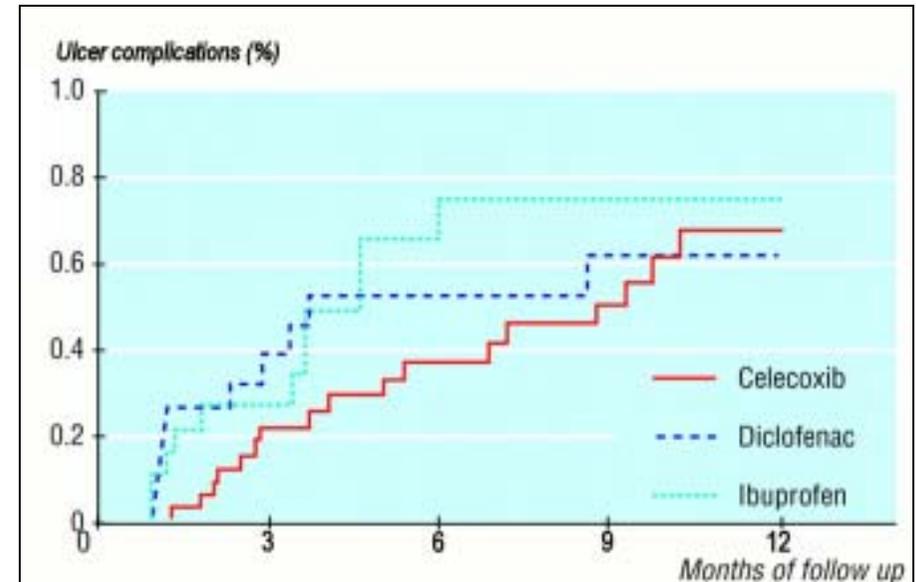
**DO NOT OPEN PAPER UNTIL THE  
INVIGILATOR INSTRUCTS YOU TO BEGIN**

1. Write short notes on
  - (a) stratified random sampling
  - (b) confidence intervals
  - (c) absolute and relative risk

2. Write short notes on **two** of the following three issues?
  - (a) Performance indicators and monitoring
  - (b) Management for change
  - (c) Conflict resolution

**QUESTION CONTINUES**

3. Evaluation of Cyclo-oxygenase 2 (COX 2) inhibitors and traditional Non-steroidal anti-inflammatory drugs (NSAIDs):-



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Figure: Kaplan-Meier estimates for ulcer complications according to traditional definition. Results are truncated after 12 months, no ulcer complications occurred after this period

- (a) Outline the general principles of survival analyses in randomized controlled trials.
- (b) Using the plots on the graph, describe the outcome of the trial for the three drugs used, at 3 months, 6 months and 12 months.
- (c) What additional information would you need in order to draw conclusions from the results of the trial.

**QUESTION CONTINUES**

4. The table below shows data on deaths from peptic ulcer:

Standardised mortality rate from peptic ulcer per 10,000 for persons aged 26-64 yrs in the period 1999-2001				
Area of Health Administration	No. of deaths	Rate	95% Confidence Interval	
			Lower limit	Higher limit
District A	6	0.76	0.15	1.36
District B	7	0.95	0.24	1.65
District C	20	1.29	0.53	2.05
District D	14	1.63	0.77	2.49
District E	18	1.79	0.96	2.65
Region	126	1.30	1.07	1.53
Country	1274	1.81	1.71	1.91

- (a) Apart from mortality what different types and sources of data may be available, or generated, to assess the pattern of peptic ulcer in a health administrative area?
- (b) Examine the table and summarize what the data show and discuss their interpretation.

5. Discuss the role of health service executives in managing medico legal risks.

6. Write short notes on **two** of the following three topics:

- (a) The clinical iceberg  
 (b) Use of qualitative research methods  
 (c) Stigma

**END OF PAPER**

**QUESTION CONTINUES**