

# **SPECIALTY BOARD**

## **Research Segment**

### **Pre-Exit Exam workshop**

14 August 2020

#### **Professor Martin C.S. Wong**

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**Professor and Associate Director (General Affairs), JC School of Public Health and Primary Care  
Professor (by courtesy), Department of Sports Science and Physical Education  
Faculty of Medicine  
The Chinese University of Hong Kong**

**Adjunct Professor of Global Health, School of Public Health, Peking University  
Adjunct Professor, School of Public Health, Peking Union Medical College  
Chairman, Grant Review Board, Health Care and Medical Research Fund, Food and Health Bureau,  
HKSAR Government  
Consultant (Honorary), Department of Family Medicine, NTEC, Hospital Authority  
Specialist in Family Medicine  
Editor-in-Chief, Hong Kong Medical Journal, Hong Kong Academy of Medicine**

# Build research capacity

## Research Segment –

*Assesses the candidate's ability to conduct a research project which include :*

Performing a literature search and defining a research question,

Selecting the most appropriate methodology to answer the research question,

Performing appropriate analysis and interpreting the results with a discussion and conclusion

# Exit Exam 2020 – Passing Rate

<b>Total number of Candidates attempted Research</b>	<b>15</b>
<b>Number of Candidates PASSED overall</b>	<b>12</b>
<b>Passing Rate</b>	<b>80 %</b>

# Guidelines on Exit Exam

Please download from our college website:

[www.hkcfp.org.hk](http://www.hkcfp.org.hk)

*Education & Examination* → *Exit Examination*

*Guidelines for 2021 Full Exit Exam will be AVAILABLE online~*

## 1<sup>st</sup> Year

<b>Feb 1</b>	<b>Commence higher training</b>
<b>March</b>	<b>Preparatory workshop</b>
<b>Mar- June</b>	<b>Literature review, identify and refine research question and draft research protocol (4 months)</b>
<b>July 31</b>	<b>Deadline for submitting IRB (allow 2-3 months)</b>
<b>August 31</b>	<b>Notification of successful Research Fund applications</b>
<b>Oct 31</b>	<b>Deadline for submitting HKCFP Research Fund application</b>
<b>Sept - Feb</b>	<b>Commence data collection (6 months)</b>

**Reminder: Presentation of Research Study at Research Forum**

## 2<sup>nd</sup> Year

<b>March- May</b>	<b>Data Analysis (3 months)</b>
<b>June - August</b>	<b>Writing full report (draft)</b>
<b>Sept 14</b>	<b>Pre-Exit Exam Workshop (TODAY!)</b>
<b>September</b>	<b>Submit to supervisor for comments</b>
<b>Oct- Nov</b>	<b>Study report revisions (final)</b>
<b>Early January</b>	<b>Submit for examination</b>

# *2021 F Exam Guidelines*

*Each candidate is required to submit:*

- *FOUR COPIES and a word file (.doc or .docx) of the research report;*
- *Supporting document(s) of Ethics Approval issued by recognized ethics committee; AND*
- *Certification by Clinical Supervisors/ Mentors (Appendix C), on or before 4 January 2021*
- **The names of the practice, the candidate, his/her supervisor and colleagues who have assisted in the research project should NOT be stated in the Research Report.**
- **The candidate has a free choice of topics for the research. The research topic chosen should be relevant to the specialty of Family Medicine and/or Primary Care.**
- **The date of ethics approval must be within 3 years before the application deadline of the Exit Examination.**

# *Format of the research report*

A standard format with an **Introduction** giving background and objectives; **Method** giving details of Subjects, Study Design and Measurements, Interventions, Outcomes, and Statistical Methods; **Results; Discussion; Conclusions; References; and Acknowledgements.**

The text should be between 2,000 and 3,000 words in length, excluding the abstract, references and acknowledgements.

Graphs and tables should be limited to 6 and references to 40.

An Abstract of up to 250 words should be set out under the headings of **Objective, Design, Subjects, Main Outcome Measures, Results, and Conclusions.** Up to five keywords should be listed below the abstract.

Abbreviations should be spelt in full when first used.

References should preferably conform to the Vancouver style as used in the Hong Kong Practitioner, the official journal of the HKCFP, and must be clearly numbered in the correct order in the text. The same referencing style should be used throughout the research report. Journal titles should be abbreviated to Index Medicus Style. Up to three authors and/or editors should be listed. If there are more than three, the first three and “*et al*” should be listed.

All study instrument and/or questionnaire should be attached as part of the appendices

The candidates are recommended to include sufficient information in their research reports. References can be made to the website of the British Medical Journal on the various guidelines according to the different study designs. (<http://www.bmj.com/about-bmj/resources-authors/article-submission/article-requirements>). These guidelines are for reference only, and candidates do not need to complete or submit the guidelines.

# *UPDATE Reference reading:*

- 1. Robert H. Fletcher, Suzanne W. Fletcher, Grant S. Fletcher. Clinical Epidemiology – The Essentials. 5th Edition Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins, 2014*
- 2. Geoffrey R. Norman and David L. Streiner, Biostatistics: The Bare Essentials, 4th Edition. Shelton, Connecticut : People's Medical Publishing House-USA, 2014*
- 3. Peter Norton , Moira Stewart, Martin Bass etal Research methods for primary care vol 1 1991 Sage publications*
- 4. Leon Gordis, Epidemiology. W B Saunders, 4th Edition, 2008 Robert*
- 5. H. Fletcher, Suzanne W. Fletcher, Edward H. Wagner. Clinical Epidemiology – The Essentials. 5th Edition, 2005*
- 6. Leon Gordis, Epidemiology, 3rd Edition. Philadelphia: Elsevier Saunders 2013*
- 7. Marcello Pagano, Kimberlee Gauvreau, Principles of Biostatistics, 2nd Edition. Australia; Pacific Grove, CA: Duxbury, 2000*
- 8. Rosaline S. Barbour, Introducing qualitative research. A student's Guide by Rosaline Barbour. 2nd edition. 2014 SAGE Publications Inc.*



# Ethics Approval for Research Study

- MUST seek Ethics Approval from a recognized Ethics Committee before starting your study.
- HA, DH or universities.
- Candidates are required to submit the supporting document(s) when submission of Research Report.
- Be disqualified if failed to do

# Assessment Criteria

- The research topic and question(s), their relevance and importance to the candidate's practice and family medicine, critical review of background literature and objectives of the research,
- Appropriate research methodology: sampling method, outcome measures, data collection, analysis of results and use of appropriate statistical tests,
- Interpretation and discussion on the results, their relationship with existing literature, their strengths and limitations, and impact of the research to the practice of Family Medicine and community care.
- Overall presentation and adequacy/appropriateness of the reference list.
- A score of 65% or above is the standard for a pass.

# Research Segment Evaluation Form

## Rating Form on Research Segment

### Standards for allocation of marks

The following descriptions of performance are to be used as yardsticks of levels of achievement.

<u>Marks</u>	<u>Criteria</u>
85 % or above	Consistently demonstrates outstanding performance in all components. (Outstanding)
75 – 84 %	Consistently demonstrates mastery of most components and capability in all. (Very Good)
65 – 74 %	Consistently demonstrates capability in most components to a professional standard. (Average to Good)
55 – 64 %	Demonstrates capability in some components to a satisfactory standard but with omissions and /or defects in other components that have impact on patient care / the study carried out.
45 – 54 %	Demonstrates inadequacies in several components with major omissions or defects.
44 % or below	Demonstrates serious defects; clearly unacceptable standard overall.

- **Sample Size Calculation**  
*show your understanding*
- **Publishability**
- **Originality**  
*new knowledge / uniqueness*
- **Plagiarism**  
*zero tolerance*  
plagiarism checker