

National University of Singapore

MASTER OF CLINICAL INVESTIGATION

Offered by Division of Graduate Medical Studies, Yong Loo Lin School of Medicine



For August Intake
Applications open: **1st January** yearly
Closing date: **31st March** yearly



NUS
National University
of Singapore

Yong Loo Lin School of Medicine

“ It is only by persistent intelligent study of disease upon a methodical plan of examination that a man gradually learns to correlate his daily lessons with the facts of his previous experience and of that of his fellows, and so acquires clinical wisdom. ”

Sir William Osler, 1902

Clinicians are well placed to identify gaps in knowledge that are relevant to the causes, diagnosis and treatment of disease, and to conduct research that will make a significant impact on patient care.

The NUS Master of Clinical Investigation Program was developed by the Yong Loo Lin School of Medicine in consultation with the Ministry of Health, senior clinician-researchers from various hospitals and research funding agencies. It has been designed to meet the needs of clinicians in healthcare institutions who desire to incorporate scientifically sound research into their clinical practice.

The goal of the program is to equip clinicians with the basic methodologic and practical skills to design and conduct clinical investigations that are relevant to patient care. These include studies aimed at evaluating

- new treatments and technologies,
- diagnostic modalities
- mechanisms of human disease,
- determinants of disease outcomes, and
- effectiveness of health services.

The MCI program will also provide the foundation for those who may wish to pursue advanced clinical research training, including that leading to a PhD degree.



INTRODUCTION

ADMISSION REQUIREMENTS

- MBBS degree or equivalent
- Two years of post-registration clinical experience
- International applicants whose native language is not English will require a minimum TOEFL score of 580 (paper-based), 237 (computer-based) or 85 (internet based). TOEFL scores are valid for 2 years from the test date. Otherwise an IELTS score of 6.0.

The program caters for both full-time (1 year) and part-time (2-3 years) students.

Each candidate will require 40 modular credits for graduation. These will be obtained by fulfilling both coursework and research requirements:

Coursework (32 modular credits):

Nine coursework modules will be offered as a core requirement for all students. Coursework will be conducted in two blocks, each comprising six weeks' full-time study, and held bi-annually (in August - September and February - March).

Part-time students are also expected to complete the modules in Coursework 1, which are foundational, in the first year. As classes are carried out during office hours, part-timers will need to take time off from their institutions.

Research component (8 modular credits) :

The research component will span a minimum of eight months. The aims of this component are to enable students to apply knowledge, acquire skills to plan a project, and to integrate and sustain research within clinical practice.

The student will undertake a project in their chosen area of specialty, under the supervision of an established clinical investigator. A grant of S\$5,000 will be provided for the project towards consumables and other costs incurred for the learning of the student. Final assessment will be based on 1) project supervisor's report, 2) performance in the scientific review panel (where students review grant proposals of fellow MCI students) and 3) submission of a final report, which should be in the form of a full research proposal, adequate for submission to a local funding agency.

'Seminars in Clinical Research' series

In between coursework blocks, a series of presentations by invited experts will be held on a regular basis (up to a maximum of 4 hours a month) to enrich the students' learning.



Academic Course Structure for Full-time and Part-time programs

Full-time

Year 1 → End of Year 1

Part-time

Year 1 → End of Year 2 or 3



Coursework I modules

- Clinical Epidemiology I
- Clinical Biostatistics I
- Clinical Pharmacology
- Molecular Biomarkers in Clinical Research
- Ethics and Regulation of Clinical Research

Coursework II modules

- Clinical Epidemiology and Biostatistics II
- Design, Conduct and Analysis of Clinical Trials
- Health Services Research
- Scientific Writing



COURSE FEES

Singapore citizens/permanent residents/international students

Full time student S\$25,000 per annum + S\$5,000 research fee

Part time student S\$12,500 per annum + S\$5,000 research fee

(Fees quoted exclude Goods & Services Tax (GST), and prevailing GST rate would apply)
(Research fee is a one-time payment)

SCHOLARSHIP

To promote clinical and translational research in Singapore, the Ministry of Health will be providing scholarships (supported by the National Research Foundation) for outstanding trainees who are interested in enrolling in the MCI programme. The scholarship is open to trainees who are Singapore citizens or permanent residents and are currently undergoing specialist training. Applicants who meet the eligibility criteria will automatically be considered for the scholarship. Specialists and those who have completed postgraduate Family Medicine may also apply for the scholarship but their applications will be considered on a case-by-case basis.

For more information regarding the scholarships, you may send your query to moh_sab@moh.gov.sg

HOW TO APPLY

Applications will open from 1 January to 31 March every year.

Please visit the course website for more information: www.med.nus.edu.sg/dgms/MCI

For enquiries, please contact:

Master of Clinical Investigation Program Administrator

Division of Graduate Medical Studies

Yong Loo Lin School of Medicine

National University of Singapore

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COURSE INFORMATION AT A GLANCE

Degree awarded	Master of Clinical Investigation (MCI)
Admission requirements	MBBS degree or equivalent and 2 years of post-registration clinical experience
Duration	12 months, full-time 24-36 months, part-time
Course structure	40 modular credits, by completion of core modules in two 6-week coursework blocks (32 credits) and a research component (8 credits)
Application fee (Non-refundable)	S\$40.00 (inclusive of GST)
Course fees	S\$25,000 per annum + S\$5,000 research fee (full-time) S\$12,500 per annum + S\$5,000 research fee (part-time) - Fees quoted exclude Goods & Services Tax (GST), and prevailing GST rate would apply - Research fee is a one-time payment
Application period	January – March for August intake
How to apply	Please visit the course website for more information www.med.nus.edu.sg/dgms/MCI
Medium of studies	English

