

CLINICAL RESEARCH CERTIFICATE PROGRAMME

ONLINE PROGRAMME

CLINICAL RESEARCH CERTIFICATE PROGRAMME



QUALITY • COMPLIANCE • METHODOLOGY

“

Online learning provides individuals the ability to learn with flexibility and convenience while gaining world-class expertise.

Supported by the Duke-NUS learning infrastructure, CoRE's online learning courses have been designed for optimal learning via a digital medium and brings insights on key topics to learners at their convenience.

”

Professor John Lim
Executive Director, CoRE



Duration

Approximately 52 hours



Start Date

Immediately upon enrolment



Format

Fully online at your own pace



Mode of Study

Voice Annotated Videos and
Multiple Choice Questions



Certification

Duke-NUS Certificate



Accreditation

Accredited by the Singapore
Pharmacy Council for 52 CPE Points



About CRCP



Key Benefits



Programme Objectives



Register Now

YOU DON'T HAVE TO BE A DUKE-NUS STUDENT TO HAVE ACCESS TO A DUKE-NUS EDUCATION

FOUR REASONS TO CHOOSE A DUKE-NUS CORE ONLINE PROGRAMME

1

Contemporary Topics



Our online courses delve into contemporary topics, offering insights from leading industry and regulatory experts.

You will explore key areas of regulatory decision-making, and global health issues, gaining insights that are not only relevant, but that empower you to drive meaningful solutions.

2

Immediate Impact



Our online courses feature comprehensive modules and assessments that effectively close knowledge gaps.

The courses will equip you with practical skills that can be applied immediately in professional settings.

3

Flexible Learning



Whether you are working full-time or navigating a busy schedule, you can learn anytime, anywhere.

Access course content at your convenience, pause and resume as needed, all while experiencing the quality of a Duke-NUS education.

4

Get Certified



Upon course completion, you will receive a verified digital certificate from Duke-NUS Medical School.

Showcase your achievement to employers, colleagues, or institutions as a testament to your commitment to continuous learning.





ABOUT CLINICAL RESEARCH CERTIFICATE PROGRAMME

Should you be a well-established clinician, or at the beginning of your clinical research career planning to write your first research proposal or a long-standing clinician scientist, being competent in the principles of clinical research will be of great importance to you.

The Clinical Research Certificate Programme offers the opportunity to become competent in understanding the medical literature, in initiating clinical research and proficient in conducting clinical research. This programme is geared toward healthcare professionals, and students in the areas of medicine, pharmacy, nursing, nutrient and dietetics, physical therapy, occupational therapy and other related fields. The certificate programme contains three different segments from a basic overview of most common methods used in clinical research to more advanced concepts of clinical research design and methods.

COURSE 1 **DECIPHERING THE LITERATURE OF CLINICAL RESEARCH**
Course 1 in this programme has two main goals. First, to provide the learner with an overview of the basic concepts most commonly used in medical literature and clinical research. Second, to provide a forum for health care professionals to acquire the basic skills needed to perform clinical research studies.

- Measurements in Clinical Research
- Sample Size Estimation
- Establishing Cause
- Study Designs
- Prognosis
- Clinical Trials
- Diagnosis

COURSE 2 **DECIPHERING STATISTICAL METHODS**
Healthcare professionals and medical students need to be able to critically assess statistical method sections in journal publications in order to evaluate study conclusions. Furthermore, clinicians may want to perform their own statistical analyses and/or may wish to have a meaningful conversation with biostatisticians. All of this requires knowledge and skills of basic statistical analyses. Course 2 in this program aims to provide the healthcare professional with an understanding of statistical concepts and principles most commonly used in clinical research.

- Confidence Intervals
- Statistical Significance
- Multiple Comparisons
- Statistical Tests
- Regression Analyses
- Additional Tests
- Advice

COURSE 3 **CLINICAL RESEARCH PRINCIPLES**
Courses 1 and 2 provided the learner with didactic background to critically decipher the clinical research literature and the basic statistical concepts used in clinical research. Course 3 will provide the healthcare professional with the skills to formulate a competitive research proposal and to successfully publish the study result. The main focus is on discussion of the key elements of a research study proposal. A general review of study design and more specifically on the design of clinical trials is also included. The last part of Course III focuses on writing a scientific research paper and presenting research results. The skills learned will then be applied in Course 4.

- The Research Proposal
- Review of General Study Designs
- Study Designs – Clinical and Randomised Clinical Trials
- Result Dissemination

“As a learner new to Clinical Research, the course not only helped me to understand the technical aspects about researching, but also the necessary know-hows and concepts used in clinical research. I especially appreciated the useful examples provided as I progressed through the course, which made my understanding of clinical research components much easier.

Dr Preethi Jeyabal
Medical Officer
Ministry of Health Holdings
Singapore

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6 SIMPLE STEPS TO SELF-DIRECTED LEARNING

1

Login

2

Select a
Module

3

Start 1st
Voice Annotated
Presentation

4

Learn, pause,
repeat as
needed

5

Answer
Multiple Choice
Questions

6

Move to
next VAP or
Module



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WHAT WILL THIS PROGRAMME DO FOR YOU?

The programme is geared toward those with a background in an area related to healthcare, including students and professionals in areas including medicine, pharmacy, nursing, nutrient & dietetics, physical therapy, occupational therapy and any other health care related field. The structure of the certificate programme comprises of three different segments (Course 1 to 3) from a basic overview of most common methods used in clinical research to more advanced concepts of clinical research design and methods

TARGET AUDIENCE

Deciphering the Literature of Clinical Research

Health Care Professionals and students that strive to acquire skills on how to decipher the medical literature and to critically evaluate the medical literature in their field. Health Care Professionals that aim at performing clinical research studies.

Deciphering Statistical Methods

Health Care Professionals and students that strive to acquire skills on statistical concepts and principles to critically assess the statistical methods presented in clinical research studies. Furthermore, Health Care Professionals involved in clinical research studies.

Clinical Research Principles

Health Care Professionals and students that are involved in clinical research studies or are interested to pursue clinical research as part of their career.

TYPICAL ROLES



Physician



Researcher



Healthcare Professional



Pharmaceutical Executive



Medical Science Liaison

OUR LEARNERS



and more!



DUKE-NUS CERTIFICATE

Upon successful completion of each course in the programme, participants will be awarded a verifiable digital certificate by Duke-NUS Medical School.



This certificate is awarded to

Jane Smith

for successfully completing the

Clinical Research Certificate Programme Course I, II, III

on

[DDMMYYYY]

Professor Silke Vogel

*Senior Associate Dean, Graduate Studies
Deputy Director, Centre of Regulatory Excellence
Duke-NUS Medical School*

Professor John Lim

*Executive Director
Centre of Regulatory Excellence
Duke-NUS Medical School*

Transforming Medicine, Improving Lives



ABOUT CoRE

The Centre of Regulatory Excellence (CoRE) was established to facilitate access to safe, high quality and effective medicines and medical devices through the strengthening of health product regulatory systems in the Asia-Pacific, with a special focus on South-East Asia. Guided by this theme, CoRE contributes to improving patient access to health products and also enhancing regional health systems and health security.

ABOUT DUKE-NUS

Duke-NUS is Singapore's flagship graduate entry medical school, established in 2005 with a strategic, government-led partnership between two world-class institutions: Duke University School of Medicine and the National University of Singapore (NUS).

[Read more](#)

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Register Now

CPE points are available for this online programme for registered Singaporean pharmacists.

Upon completion of this programme, you may email SPC@spb.gov.sg with your certificates of completion to claim 52 CPE points.

Refund Policy

*There will be no refunds for online courses.
Kindly e-mail core_online@duke-nus.edu.sg for more information.*

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www.duke-nus.edu.sg/core



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<https://tinyurl.com/watchCoREhere>