

CLINICAL RESEARCH CERTIFICATE PROGRAMME

ONLINE 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.

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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

 [Click here for FAQ](#)

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



Guided by Duke-NUS and CoRE's education philosophy, CoRE's online programmes are tailored to suit a wide audience within the Healthcare industry.

- Content designed specifically for the online format delivered via Voice Annotated Presentations (VAPs)
- Relevant and engaging blended modules developed by experts from leading healthcare companies

2

Immediate Impact



The comprehensive modules and assessments from CoRE's online programmes encourages participants to take newly acquired skills and apply them in their professional or academic domain. The course content can bridge knowledge gaps to allow building capabilities and supporting professional growth.

3

Flexible Learning



CoRE's online programmes are designed to suit a wide audience, no matter where you may be located. The online component provides learners the flexibility to develop their skills on their own schedule and benefit from the scale and speed of an online education.

4

Get Certified



Take CoRE's online programmes and gain an official recognition from Duke-NUS Medical School. Upon successful completion of the programme, participants will be awarded a verified digital certificate by Duke-NUS. A formal recognition gives you the full flexibility to learn at a pace that fits your career progression. Upon successful completion of the programme, you may wish to claim 48 continuing education credits through the Singapore Pharmacy Council.





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.

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.

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.

MODULES

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

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

- 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

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 About CRCP Key Benefits Programme Objectives Register Now

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

*Vice Dean, Office of Faculty Affairs
Head, Graduate Studies & Accredited Programs
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 jade@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>