



**RCA | E-learning Campus**

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# User Guide for RCA e-Learning Campus

[www.rcaro.org/elearning](http://www.rcaro.org/elearning)

2020



**RCA Regional Office**

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# | 1. Introduction

# 1. Introduction

[www.rcaro.org/elearning](http://www.rcaro.org/elearning)



This guide is designed to provide information on how to use the RCA e-Learning Campus on the RCA website ([www.rcaro.org/elearning](http://www.rcaro.org/elearning)). It will navigate users with main menus and key features of the RCA e-Learning campus for easy access and use of the platform.

## **RCA e-Learning Campus**

RCA e-Learning Campus is an online training platform open for public and experts interested in the various topics on nuclear medicine. It provides online training on major topics on cardiology, endocrinology, neurology, oncology, physics and theranostics that are developed by the nuclear medicine experts from the Asia-Pacific and other regions.

## **ACCESS**

- The platform is accessible from personal computers and mobile phones.
- It is open for public and experts to access the course of the e-Learning modules without log-in.
- Members of the RCA website ([www.rcaro.org](http://www.rcaro.org)) can log-in to the platform with the same log-in credentials.
  - \* Refer to the 'Membership' of this manual for log-in information.

## **Main menu**

Main menu of RCA e-Learning Campus consists of e-Learning Modules, Notice and Mypage.

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## | 2. e-Learning Modules

## ▪ e-Learning Campus > Areas



RCA | e-Learning Campus

e-Learning Modules Notice Mypage

Areas Lecturer List

Cardiopulmonary Endocrinology Neurology Neuro-oncology Oncology Physics  
Theranostics

Users can see various areas of nuclear medicine under 'e-Learning Modules': Cardiopulmonary, Endocrinology, Neurology, Neuro-oncology, Oncology, Physics and Theranostics. Using the sub-menu tab, users can select and watch the modules they are interested in.

The screenshot shows the 'e-Learning Modules' page with the 'Cardiopulmonary' area selected. A dropdown menu is open, listing various medical areas. The main content area features several module cards:

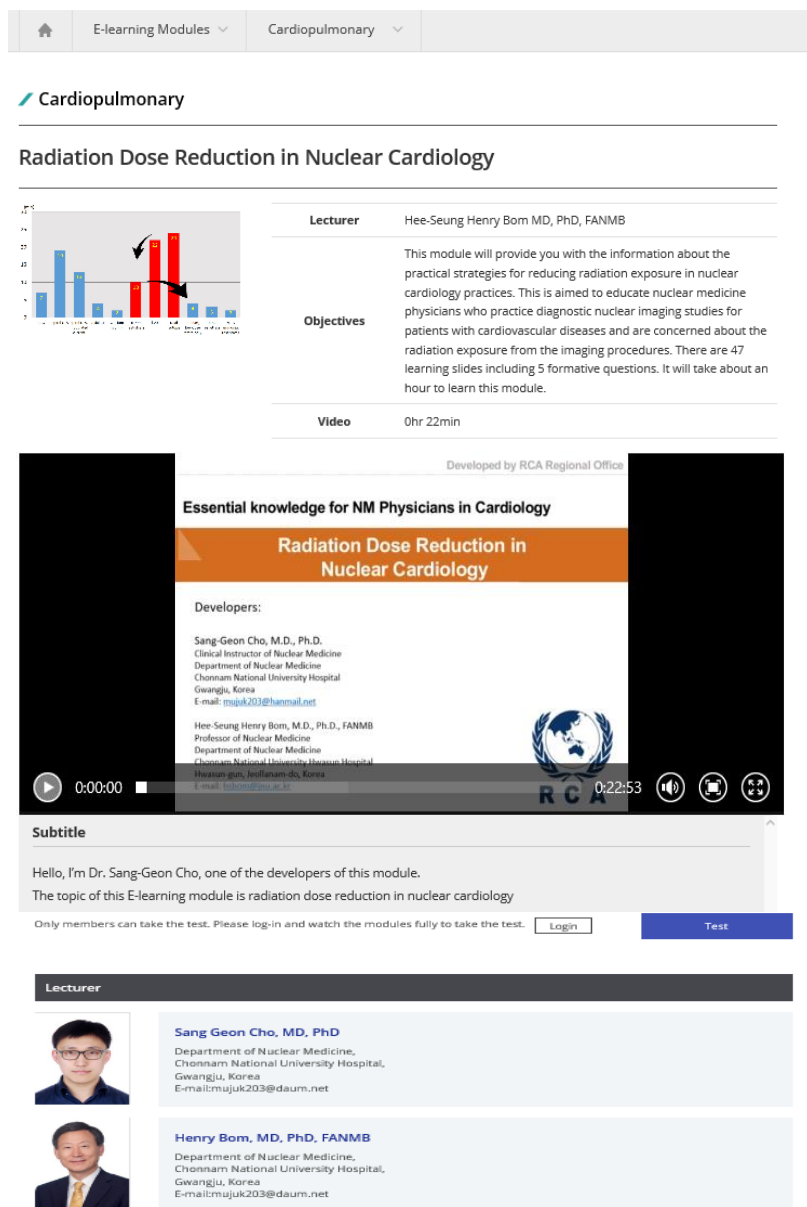
- Stable Angina: Myocardial Perfusion Scintigraphy Report Writing** by Jerry Obaldo, MD, MHA, FPSNM, FANMB.
- Ventilation and perfusion scan for acute pulmonary embolism** by Min Young Oh, MD, FANMB.
- Role of Ventilation/Perfusion Scintigraphy in Chronic Pulmonary Embolism and Pre-operative Lung** by Deverly D. Tumapon, MD, DPSBNM, FANMB.
- Ischemic Cardiomyopathy** by Jin Chul Paeng, MD, FANMB.
- Non-ischemic Cardiomyopathy: Cancer Therapeutics-Related Cardiac Dysfunction** by Sang Geon Cho, MD, PhD.

## ▪ [e-Learning Campus](#)>[Areas](#)>[modules](#)

Each specific module consists of an overview (lecturer, objectives and video time), lecture screen and subtitle box below the lecture screen. Subtitles are provided in the subtitle box as appropriate. Test button and lecturer information are on the lower part of the page.

### Learning Tip

The modules contain lecture slides on basic knowledge, clinical cases and some multiple choice questions. It is recommended to frequently pause to read details of a slide.



The screenshot shows the user interface for an e-learning module. At the top, there are navigation tabs for 'E-learning Modules' and 'Cardiopulmonary'. Below this, the module title 'Radiation Dose Reduction in Nuclear Cardiology' is displayed. A bar chart is shown on the left, and a table on the right provides details about the lecturer, objectives, and video duration. The main content area features a video player with a title slide that lists the developers: Sang-Geon Cho, M.D., Ph.D. and Hee-Seung Henry Bom, M.D., Ph.D., FANMB. Below the video player is a subtitle box with the text: 'Hello, I'm Dr. Sang-Geon Cho, one of the developers of this module. The topic of this E-learning module is radiation dose reduction in nuclear cardiology.' At the bottom, there are 'Login' and 'Test' buttons, and a section for 'Lecturer' information with photos and contact details for both Sang-Geon Cho and Henry Bom.

Field	Value
Lecturer	Hee-Seung Henry Bom MD, PhD, FANMB
Objectives	This module will provide you with the information about the practical strategies for reducing radiation exposure in nuclear cardiology practices. This is aimed to educate nuclear medicine physicians who practice diagnostic nuclear imaging studies for patients with cardiovascular diseases and are concerned about the radiation exposure from the imaging procedures. There are 47 learning slides including 5 formative questions. It will take about an hour to learn this module.
Video	0hr 22min

**Developers:**

Sang-Geon Cho, M.D., Ph.D.  
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Department of Nuclear Medicine  
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**Lecturer**

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Gwangju, Korea  
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**Module overview**

**Lecture screen**

Using the video control bar, users can play, stop and change the sound volume or enlarge the screen.

**Test**

Members can log-in and take a test.

**Lecturer(s) information**

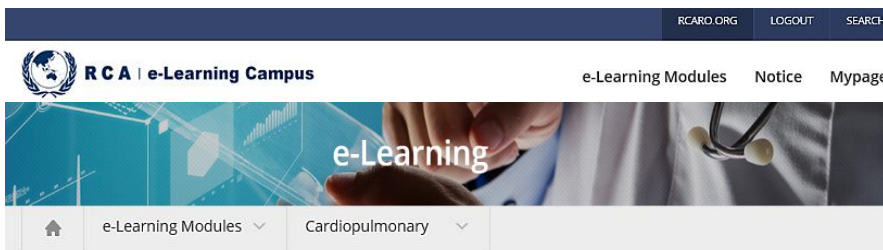
## ▪ Test

After the completion of a module, members can take a test with log-in. If members click the test button of a module, they are directed to a test page that consists of 10 multiple choice questions where they can select and submit their answers.



### Learning Tip

Members can take a test after watching a module fully. Otherwise members cannot access the test.



## Cardiopulmonary

[Test] Radiation Dose Reduction in Nuclear Cardiology

### 1. Which one correctly describes the medical radiation exposure?

- ① Should be managed with strict dose limits.
- ② Radiation exposure to caregivers caring for the patients is not included to medical exposure.
- ③ Should be justified by the benefits exceeding the potential harms.
- ④ Should be maximized to achieve the optimal diagnostic efficacy.
- ⑤ Should be optimized independently from non-medical issues, such as societal and environmental factors.

### 2. Which one is the principle for optimizing radiation exposure in the practice of nuclear cardiology?

- ① As low as possible
- ② As low as reasonably achievable
- ③ As high as possible
- ④ Administrated activity should be subject to dose limits

### 9. Which of the following is true of the scan report?

- ① It should be the only form of communication between the referring and the interpreting physician
- ② It may become a medico-legal document
- ③ Interpretation of the scan only involves looking at the processed images
- ④ The indication for the scan has no relation to the scan protocol and the scan report
- ⑤ There is no need to look at the planar images when SPECT is available

### 10. Structured reporting improves utility and comprehensibility of the scan report by?

- ① Using a predictable format
- ② Facilitating comparison with previous reports
- ③ Standardizing terminology
- ④ Providing comprehensive but concise information
- ⑤ All of the above

Test page

Submit

Submit

## ▪ Certificate

After the submission of the answers of a test, members will be directed to a feedback page that shows score, right answers and commentary for each question. Upon meeting a passing mark, members can save/print a certificate of completion for each module. Members can also see their certificates at the 'Mypage'.

### ✓ Cardiopulmonary

[Test] Stable Angina: Myocardial Perfusion Scintigraphy Report Writing

Total score **90**

[Retake](#) [Certificate](#)

1. A 50 y/o male, post-acute coronary syndrome 2 months ago, will undergo major abdominal surgery. He was referred for stress MPS scan. Which of the following must necessarily appear in the scan report?

- ① A list of viable and non-viable myocardial segments
- ② A detailed description of the scan protocol
- ③ **A statement on risk stratification and prognosis**
- ④ The patient's height and weight
- ⑤ Total Perfusion Deficit measurement

**Commentary**  
The patient was sent for clearance prior to major surgery, so the indication is for risk stratification post-ACS, and therefore a statement on this must be made in the report. A statement on myocardial viability may be added, particularly if there are areas of infarction in the scan.

Feedback page

**CERTIFICATE OF COMPLETION**



• Course : Epilepsy

This is to certify that

**rcaro**

has successfully completed the course offered by RCA e-Learning Campus.

RCA Regional Office  
2020.03.30

Certificate of completion

## ▪ [e-Learning Campus>Lecturer list](#)



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[e-Learning Modules](#)

[Notice](#)

[Mypage](#)

Areas

Lecturer List

[Cardiopulmonary](#)

[Endocrinology](#)

[Neurology](#)

[Neuro-oncology](#)

[Oncology](#)

[Physics](#)

[Theranostics](#)

A list of lecturers information is given in the 'Lecturer list' menu.

There are brief profiles of lecturers who have participated in the development of the modules. Users can see the modules developed by each lecturer and access them directly.

Using a tab on the top right of the list, users can see the lecturers per area and search lecturers using 'search' key on the bottom.

Area : ALL

**Anchisa Kunawudhi**  
MD, FANMB  
National Cyclotron and PET Centre Chulabhorn Hospital, HRH Princess Chulabhorn College of Medical Science, Chulabhorn Royal Academy Bangkok, Thailand  
anchisa@gmail.com

• Movement disorders

**Bui Tien Cong**  
MD  
Department of Nuclear Medicine, St. Mary's Hospital, Seoul, Korea

• Colorectal Cancer [View](#)

1 2 3 4 5 > >>

[Search](#)

Lecturer list

Area search on the lecturers

Search



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## | 3. Notice

## ▪ [e-Learning Campus](#)>Notice



**RCA | e-Learning Campus**

[e-Learning Modules](#) [Notice](#) [My page](#)

[Areas](#) [Lecturer List](#)

[Cardiopulmonary](#) [Endocrinology](#) [Neurology](#) [Neuro-oncology](#) [Oncology](#) [Physics](#)

[Theranostics](#)

Under the 'Notice' menu, users can see reference information regarding the RCA e-Learning Campus.

[Home](#) [Notice](#) [▼](#)

### Notice

No	Subject	Name	Views	Date
1	Guide on how to use the RCA e-Learning Campus	Administrator	139	2019.12.17

[Search](#)

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## | 4. Mypage

▪ [e-Learning Campus>Mypage](#)



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[e-Learning Modules](#)

[Notice](#)

[Mypage](#)

[Areas](#)

[Lecturer List](#)

[Cardiopulmonary](#)

[Endocrinology](#)

[Neurology](#)

[Neuro-oncology](#)

[Oncology](#)

[Physics](#)

[Theranostics](#)

Members can access 'Mypage' after log-in.

- My information: Members can see and revise their personal information.
- My Lecture : Members can see a list of modules they have watched and their progress for each module. They can retake the tests and save/print certificate of completion.

Home Mypage

My Information

User ID	<input type="text" value="rcaro"/>
Name	<input type="text" value="rcaro"/>
Password	<input type="password"/> <small>Password must have minimum of 6 characters containing English alphabet, number, and symbol(e. g. !@#\$%^+).</small>
Country	<input type="text" value="rcaro"/>
E-mail	<input type="text" value="kelly@rcaro.org"/>
Tel	<input type="text" value="82428682778"/>
Department	<input type="text" value="RCARD"/>

More ^

Save

Cancel

My Lecture

No	E-learning Modules	Progress-rate(%)	Test Score	Retake	Certificate
15	PET CT instrumentation and well counter calibration_Dr S.Somanesan	94% <div style="width: 94%;"></div>	100	<a href="#">Retake</a>	<a href="#">Print</a>
14	Movement disorders	12% <div style="width: 12%;"></div>	100	<a href="#">Retake</a>	<a href="#">Print</a>
13	Non-Graves' Hyperthyroidism	86% <div style="width: 86%;"></div>	30	<a href="#">Retake</a>	<a href="#">Print</a>
12	Epilepsy	34% <div style="width: 34%;"></div>	100	<a href="#">Retake</a>	<a href="#">Print</a>
11	Radiation Dose Reduction in Nuclear Cardiology	100% <div style="width: 100%;"></div>	100	<a href="#">Retake</a>	<a href="#">Print</a>

My information

Members can see and revise their personal information.

My lecture

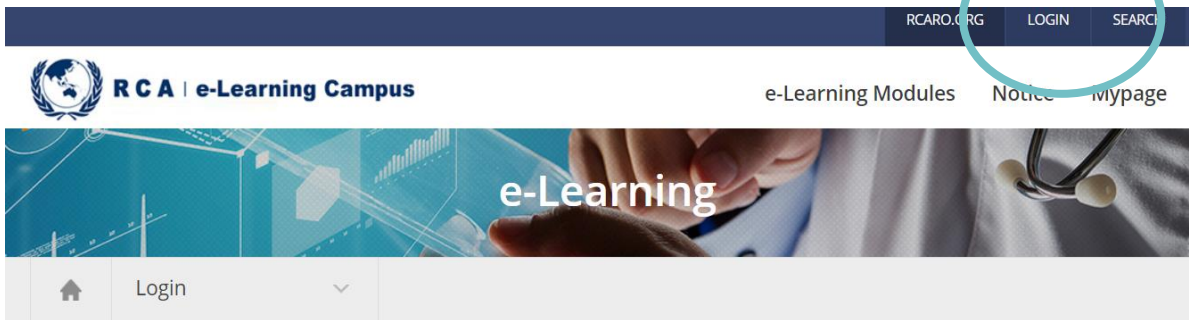
Members can see the modules watched, retake tests and issue certificates.



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# | 5. Membership

## ■ LOGIN



### LOGIN

The RCA e-Learning Campus provides open access for anyone interested in taking on-line training courses of nuclear medicine. However, only members can access to the 'test' and 'Mypage'.

Using the same log-in credentials of the RCA website([www.rcaro.org](http://www.rcaro.org)), members can log-in to the campus.

For those who wish to become a member, users need to contact the National RCA Representatives or their contact persons to get IDs and PWs.

- Information of the RCA NRs and contact persons: <http://www.rcaro.org/states1>

For assistance to communicate with the NR/contact persons and any inquires related to the membership, please contact the RCARO at [vivian@rcaro.org](mailto:vivian@rcaro.org), [kelly@rcaro.org](mailto:kelly@rcaro.org).

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**Thank you**