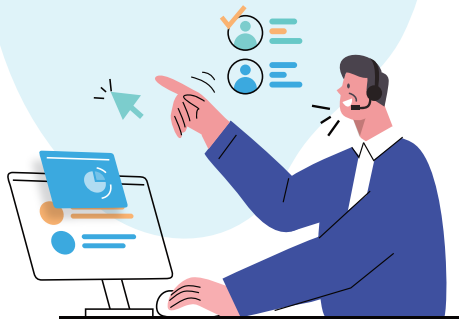


# MKA e-class



## Korea Health Industry Development Institute(KHIDI)

KHIDI quickly responds to changes in the healthcare business environment both at home and abroad by identifying innovative policy agendas and developing healthcare industry-related policies.

We are also making much effort in fostering the healthcare industry and supporting businesses to expand capacity of the biopharmaceutical industry and promote the medical device industry, while also expanding R&D activities focused on public health and supporting medical technology development through proactive public healthcare R&D. Moreover, we are strengthening the global competitiveness of the medical healthcare industry through intergovernmental cooperation aimed at vitalizing international healthcare in addition to creating new jobs in the process. KHIDI is fortifying domestic and overseas healthcare industries' competitiveness with preemptive responses and innovative actions toward changes

Supporting  
Vitalization  
of Global  
Healthcare

Policy  
Development  
for Healthcare  
Industry

Healthcare  
R&D Support

Fostering  
Healthcare  
Industry and  
Supporting  
Business

## Medical Korea Academy(MKA)

The Medical Korea Academy is a training program for medical practitioners from other countries offered by the Korea Health Industry Development Institute. This program was developed to provide medical practitioners from other countries with an opportunity to deepen their medical knowledge and skills by participating in various training programs offered at the hospitals in Korea, and also gain a better understanding of Korean medical services in the process.

Also the Medical Korea Academy Online Training Program (MKA e-class) has been launched as a Covid-safe clinical training course.

It will allow you to learn Korea's advanced medical skills without visiting the country.

## History

- 2007 Launching the Medical Korea Academy Global
- 2012 Launching the Korea-Mongolia Seoul Project
- 2013 Launching the Korea-Russia Medcial training program
- 2020 Launching the MKA e-class(pilot program)
- 2021 Launching the MKA e-class(regular program)

# MKA e-class

## Overview

The KHIDI has created an online medical training program called Medical Korea Academy e-class (also known as the MKA e-class) in light of the new normal era. The program is composed of basic and advanced online medical training courses including surgical skills training courses – Hepatobiliary & Pancreatic Surgery, Colorectal Surgery, Gastrointestinal Surgery and Breast & Thyroid Surgery and four other courses including Echocardiography, Infection Control, Endoscopy, and Medical ICT education. They all include video lectures by top-notch Korean professors, who cover everything from basic theory to advanced medical technology. Once the trainees finish watching all the video lectures and pass the exam, they are awarded a certificate issued by the KHIDI.

## Training program



Number of Sessions

**1 Time**

Once a year



Program Curriculum

**5 Days**

About 20 hours



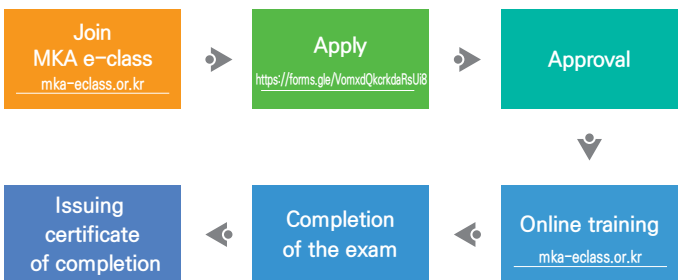
Training Period

**3 Months**

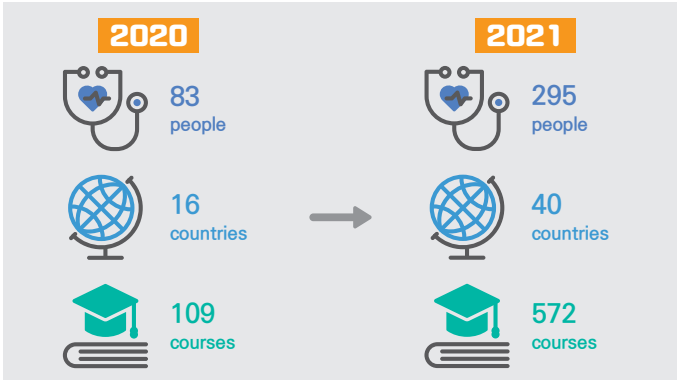
Course completion  
within the training period

\* Holding regular online seminars (November in the second half of the year)

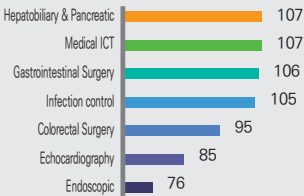
## Training process



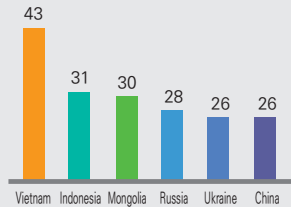
## MKA e-class Statistic



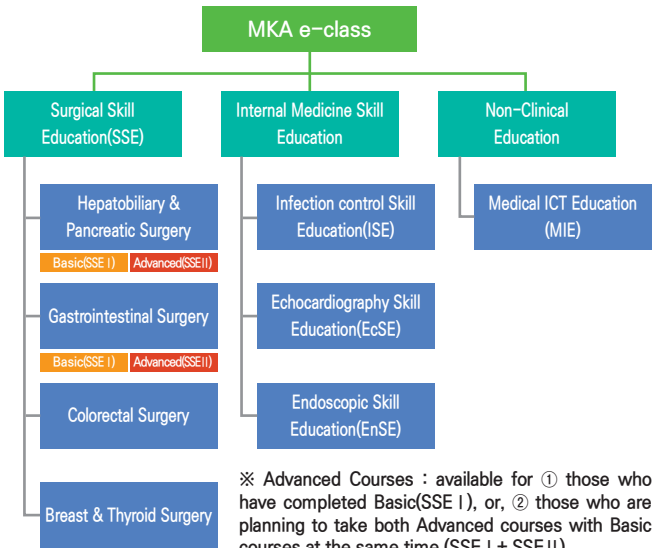
**Top curriculum with the most number of program alumni**  
(Number of program alumni from 2020 to 2021)



**The top 6 countries with the most number of program alumni**  
(Number of program alumni from 2020 to 2021)



## MKA e-class Curriculum



## MKA e-class

**MKA**

MEDICAL  
K O R E A  
ACADEMY

You can experience various training courses in the MKA e-class including surgical skills (hepatobiliary & pancreatic surgery, gastrointestinal surgery, colorectal surgery, breast & thyroid surgery), Internal medicine skills (endoscopic skills, echocardiography skills, infection control skills), Medical ICT, etc. The online lectures offer details that was limited in the in-person hospital training.

## Internal Medicine Skill Education



Endoscopic Skill Education(EnSE)

- Preparations for the endoscopy room
- Pre- and post- endoscopic treatment and essential endoscopic process monitoring
- Getting Started with Upper Gastrointestinal Endoscopy
- Getting Started with Lower Gastrointestinal Endoscopy
- Getting Started with Advanced Technology for High Level of Endoscopy



Echocardiography Skill Education(EcSE)

- Basic transthoracic skills
- Special echocardiography and assessment of cardiac function
- Disease specific echocardiographic findings  
: Ischemic heart disease , Valvular heart disease, Cardiomyopathy (CMP), adult congenital heart disease, pericardial disease, pulmonary hypertension and embolism, cardiac mas, endocarditis



Infection control Skill Education(ISE)

- Overview of infection control in medical institutions
- Infection control practices in medical institutions
- Clinical environment management; infection control in small and medium hospitals; infection control by disease

## Non-Clinical Education



Medical ICT Education(MIE)

- ICT in Healthcare
- EMR (Electronic Medical Record)
- Big Data and AI in Healthcare
- Application of IoT and 5G in healthcare
- PMI (Precision Medicine Initiative)

# Surgical Skill Education(SSE)

## BASIC COURSE

Hepatobiliary & Pancreatic



SSE I

- Surgical techniques for hepatectomy
- Basic surgical techniques for liver transplantation
- Cholecystectomy, bile duct excision and choledochojejunostomy
- Pancreaticoduodenectomy and pancreatectomy

Gastrointestinal



SSE I

- Fundamentals of laparoscopic GI surgery
- Concept of gastric cancer treatment and surgeries
- Surgeon's gastroscopy and endoscopic treatment of gastric cancer
- Surgeries for benign diseases (Peptic ulcer, GERD, Bariatric)

Colorectal



SSE I

- Introduction to colorectal cancer and treatment strategy
- Types of colorectal cancer surgery
- Basic colonoscopy skills
- Benign disease surgeries (hernia, appendicitis, diverticulitis)
- Enhanced recovery after surgery (ERAS) in colorectal surgery

Breast & Thyroid



SSE I

- Breast and thyroid USG & Basic Benign Breast Surgery
- Basic Breast Surgery for breast cancer
- Basic Axillary surgery for breast cancer
- Thyroid/Parathyroid surgery (Open)
- Thyroid surgery (Endoscopic/Robotic)

## ADVANCED COURSE

Hepatobiliary & Pancreatic



SSE II

- Liver surgery and treatment I
- Liver surgery and treatment II
- Biliary surgery
- Pancreatic surgery
- Other HBP surgery

Gastrointestinal



SSE II

- Surgery for esophageal cancer & gastroesophagal junction (GEJ) cancer
- Gastrointestinal surgery in various clinical conditions
- Advanced laparoscopic GI surgery
- Surgical techniques for safe laparoscopic GI surgery
- Advanced bariatric surgery & hernia operation

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## Host



Ministry of Health  
and Welfare

Name : Ministry of Health and Welfare  
Website : <http://www.mohw.go.kr/eng/index.jsp>  
Address : 13, Doum 4-ro, Sejong,  
(30113) Korea

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## Organizer



Korea Health Industry  
Development Institute

Name : Korea Health Industry  
Development Institute (KHIDI)  
Website : <https://www.khidi.or.kr>  
Address : 187, Osongsaengmyeong 2-ro,  
Osong-eup, Heungdeok-gu,  
Cheongju-si, Chungcheongbuk-  
do, Korea  
E-mail : [mkaglobal@khidi.or.kr](mailto:mkaglobal@khidi.or.kr)

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## Curriculum Producer



대한외과술기연구회  
Korean Surgical Skill Study Group

Name : The Koreran Surgical Skill Study  
Group (KSSSG)  
Website : <http://www.ksssg.co.kr>  
Address : 04083 207 Venture building,  
5-15, Seonggi 5-gil, Mapo-gu,  
Seoul, Korea



EWHA WOMANS UNIVERSITY  
MOKDONG HOSPITAL

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Mokdong Hospital  
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EWHA WOMANS UNIVERSITY  
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BUNDANG HOSPITAL

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Gyeonggi-do, 13620, Korea



Pusan  
National University  
Yangsan Hospital

Name : Pusan National University  
Yangsan Hospital  
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eup, Yangsan-si,  
Gyeongsangnamdo, Korea

**MKA**

MEDICAL  
KOREA  
ACADEMY

### LMS

<http://mka-eclass.or.kr>

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Medical Korea Academy

**KhIDI**

**MEDICAL**   
Where your days  
begin again **KOREA**