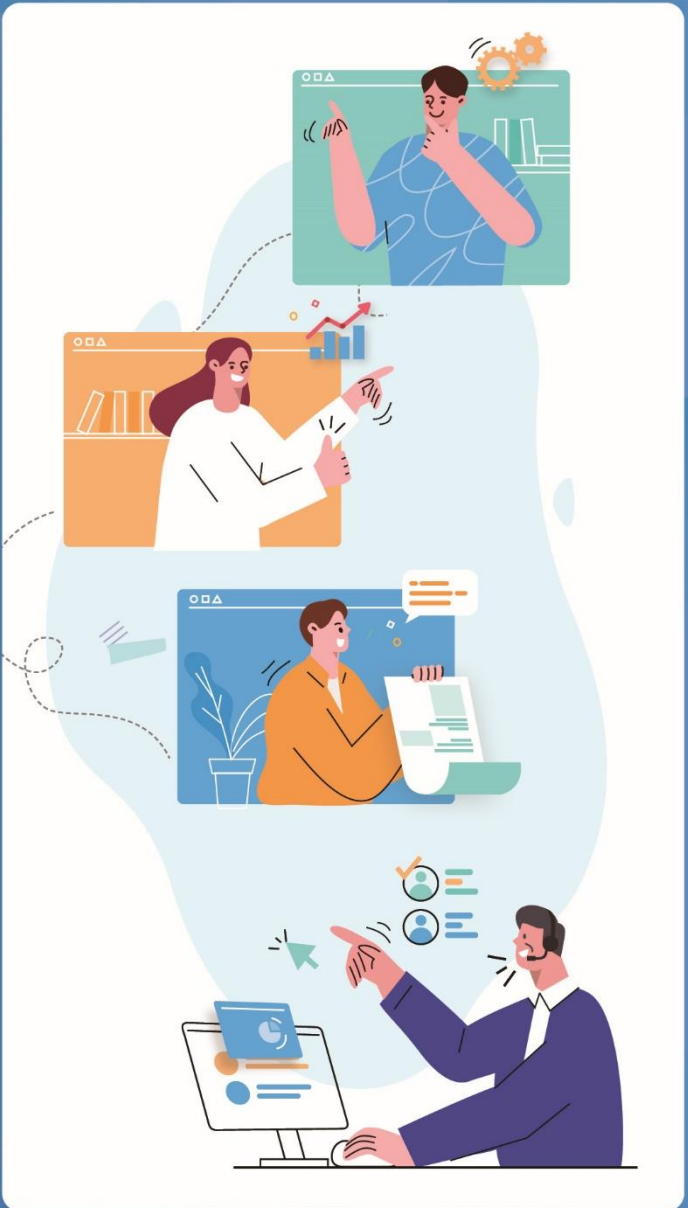


MKA

MEDICAL  
KOREA  
ACADEMY

# MKA e-class



Ministry of Health  
and Welfare

**KKIDI**

Korea Health Industry  
Development Institute

## 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 Medical training program
- 2020 Launching the MKA e-class(pilot program)
- 2021 Operating the MKA e-class
- 2022 Operating the MKA e-class

# 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, Trauma and surgical critical care Skill and five other courses including Echocardiography, Infection control, Endoscopy, Medical ICT and Hospital Management 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

**2 Times**

Twice a year



Program Curriculum

**5 Days**

About 20 hours



Training Period

**2 Months**

Course completion within the training period

## Training process

Join  
MKA e-class  
[mka-eclass.or.kr](http://mka-eclass.or.kr)



Apply



Approval



Issuing  
certificate  
of completion



Completion  
of the exam



Online training  
[mka-eclass.or.kr](http://mka-eclass.or.kr)

# MKA e-class Statistic

2020 - 2022



486  
people



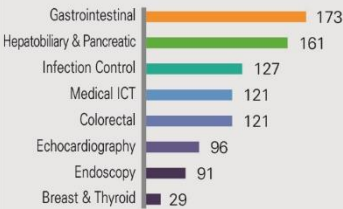
45  
countries



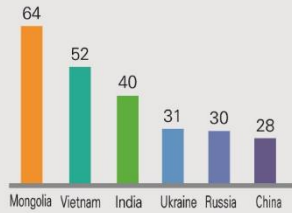
919  
courses



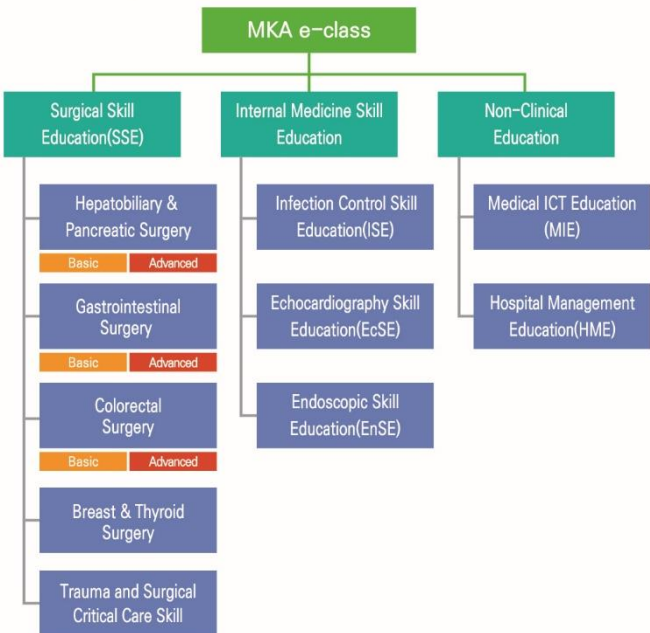
**Top curriculum with the most number of program alumni**  
(Number of program alumni from 2020 to 2022)



**The top 6 countries with the most number of program alumni**  
(Number of program alumni from 2020 to 2022)



# MKA e-class Curriculum



## MKA e-class

**MKA**

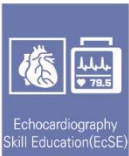
MEDICAL  
KOREA  
ACADEMY

You can experience various training courses in the MKA e-class including surgical skills (Hepatobiliary & Pancreatic Surgery, Gastrointestinal Surgery, Colorectal Surgery, Breast & Thyroid, Trauma and Surgical Critical Care Skill), Internal Medicine Skills(Endoscopic Skills, Echocardiography Skills, Infection Control Skills), Medical ICT, Hospital Management. Lectures offer details that was limited in the in-person hospital training.

### Internal Medicine Skill Education



- 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



- 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



- 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



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



- Leadership of hospital management managers
- Organization and management of hospital organization
- Hospital finance and accounting
- Hospital informatization
- Hospital performance management



## Surgical Skill Education(SSE)

Hepatobiliary & Pancreatic



### BASIC COURSE

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

### ADVANCED COURSE

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

Gastrointestinal



### BASIC COURSE

- 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)

### ADVANCED COURSE

- 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

Colorectal



### BASIC COURSE

- 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

### ADVANCED COURSE

- Anatomy and oncologic principle in colon cancer
- Anatomy and oncologic principle in rectal cancer
- Anatomy and oncologic principle in pelvic exenteration
- Role of ICG in Colorectal surgery
- Several complications of colorectal surgery

Breast & Thyroid



- 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)

Trauma & Surgical  
Critical Care Skill  
Education (TSCCE)



- Primary survey and resuscitation for multiple trauma patients
- Airway and ventilatory management
- Thoracic trauma
- Abdomen and pelvic trauma
- Bedside procedure and ICU management

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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  
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## Curriculum Producer



대한외과술기연구회  
Korean Surgical Skill Study Group

Name : The Korean Surgical Skill Study  
Group (KSSSG)  
Website : <http://www.ksssg.co.kr>  
Address : 04083 207 Venture building,  
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Seoul, Korea



KSHM 한국 병원 경영 학회  
KOREAN SOCIETY OF HOSPITAL MANAGEMENT

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Management (KSHM)  
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EWHA WOMANS UNIVERSITY  
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Gyeonggi-do, Korea



Pusan  
National University  
Yangsan Hospital

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Yangsan Hospital  
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