



MKA e-class

MEDICAL KOREA ACADEMY ONLINE TRAINING PROGRAM





Korea Health Industry Development Institute (KHIDI)



The KHIDI is a proactive organization that quickly responds to changes in the healthcare business environment, both domestically and internationally. We achieve this by identifying innovative policy agendas and developing industry-related policies to address evolving needs.

Our efforts also extend to fostering the healthcare industry and supporting businesses in expanding the capacity of the biopharmaceutical and medical device sectors. Additionally, we prioritize R&D activities in public health and actively support the advancement of medical technology through proactive public healthcare R&D.

Furthermore, we are dedicated to enhancing the global competitiveness of the medical healthcare industry. To accomplish this, we engage in intergovernmental cooperation to invigorate international healthcare initiatives while simultaneously creating new job opportunities. With preemptive responses and innovative actions, we strengthen the competitiveness of both domestic and overseas healthcare industries, ensuring their resilience in the face of change.

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, led by the KHIDI, offers a specialized program designed for medical practitioners from other countries. Its primary goal is to help participants enhance their medical knowledge and skills by engaging in diverse training programs provided at hospitals in Korea while gaining a deeper understanding of Korean medical services. In 2020, in response to the Covid-19 pandemic, the Medical Korea Academy introduced MKA e-class as a safe and accessible training platform. This program allows participants to acquire advanced medical skills from Korea without the need for travel.

Over time, MKA e-class has expanded its educational offerings, providing in-depth knowledge in various medical disciplines for a more comprehensive learning experience.

History

- 2020 MKA e-class was launched
- 2022 MKA e-class continued its operation and expansion
- 2023 New subjects in dental education were added to the curriculum
- 2024 MKA e-class broadened its scope, bringing in new topics in dental education and surgical skills
- 2025 Record participation with over 2,000 completions
Introduced fee-based access to course content
Honored with the iF Social Impact Prize

Overview

The KHIDI has developed an online medical training program called MKA e-class, in response to the changing dynamics of the new normal era. This program provides a range of basic and advanced courses, featuring video lectures delivered by distinguished Korean doctors and professors, covering fundamental theories to the latest medical technologies. Upon completing the lectures and passing the exam, trainees are awarded a certificate issued by the KHIDI. Since its inception, many healthcare professionals from over 70 different countries have successfully completed our online training program.

Training Courses

Available Courses 20 Courses

- Surgical Skills Education
- Internal Medicine Skills Education
- Dentistry Education
- Non-clinical Education



Course Structure 10-25 Lectures

Each Course Consists
of 5 Units x 2-5 Lectures



Course Length 4-10 Hours

of Instruction Total

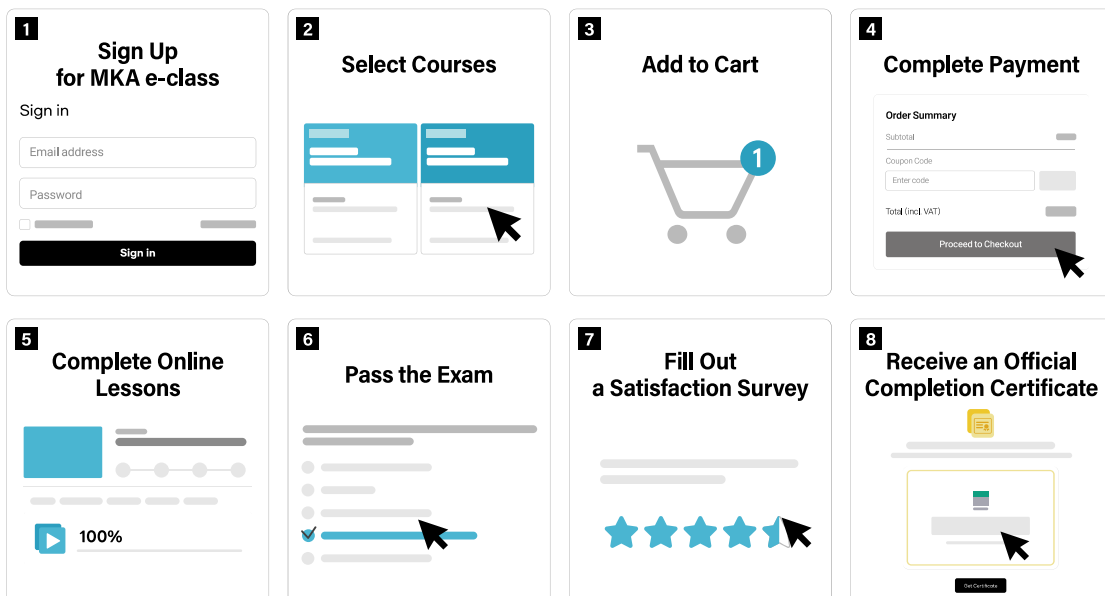


Training Duration 60 Days

from Payment



Training Process



MKA e-class

MKA e-class offers a variety of training courses.



Surgical Skills Education

Hepatobiliary & Pancreatic Surgery, Gastrointestinal Surgery, Colorectal Surgery, Breast & Thyroid Surgery, Trauma & Surgical Critical Care, Surgical Emergency, Minimally Invasive Surgery, Vascular Surgery



Internal Medicine Skills Education

Echocardiography, Endoscopic, Infection Control



Dentistry Education

Prosthodontics, Oral & Maxillofacial Surgery, Dental Implantology, Orthodontics



Non-Clinical Education

Medical ICT, Hospital Management

MKA e-class Statistics (2020 ~ 2025)



94
Countries



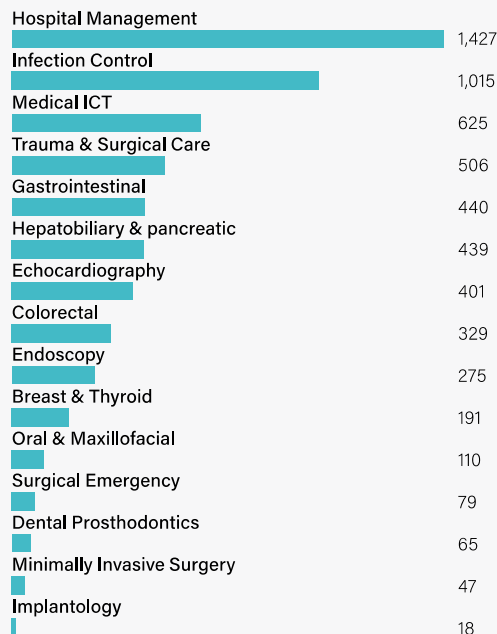
3,472
Graduates



5,967
Certificate Issued

Course Subjects with the Highest Number of Program Alumni

2020-2025



Countries with the Highest Number of Program Alumni

2020-2025



Partners



THE ASSOCIATION OF MONGOLIAN SURGEONS

Partnership with the Association of Mongolian Surgeons

The Association of Mongolian Surgeons has Recognized MKA e-class as a Qualifying Training Program for the Doctor Promotion Exam.

Under the Agreement between the KHIDI and the Association of Mongolian Surgeons, Mongolian Medical Doctors who Complete MKA e-class During the Agreement Period will Meet the Foreign Training Program Requirement for the Promotion Exam.



UNIVERSITATEA DE MEDICINĂ,
FARMACIE, ȘTIINȚE ȘI TEHNOLOGIE
„GEORGE EMIL PALADE”
DIN TÂRGU MUREȘ

Partnership with the George Emil Palade University of Medicine, Romania

KHIDI signed a Memorandum of Understanding (MOU) with the George Emil Palade University of Medicine, Pharmacy, Science, And Technology of Targu Mures, Romania.

Under the MOU, the MKA e-class was introduced as an elective for medical students and became a required CPD course for residents at affiliated hospitals.



The Korea Health Industry Development Institute(KHIDI) is seeking medical associations and educational institutions to integrate our MKA e-class learning platform into their CPD Programs.

If you're interested in partnering with us, please contact us.

Contact

Global Healthcare Training Team, Dept. of Global Healthcare Business-outbound, KHIDI

E-mail

mkaglobal@khidi.or.kr

Surgical Skills Education

- 01 Hepatobiliary & Pancreatic Surgery Skills (Basic)
- 02 Hepatobiliary & Pancreatic Surgery Skills (Advanced)
- 03 Gastrointestinal Surgery Skills (Basic)
- 04 Gastrointestinal Surgery Skills (Advanced)
- 05 Colorectal Surgery Skills (Basic)
- 06 Colorectal Surgery Skills (Advanced)
- 07 Breast & Thyroid Surgery Skills
- 08 Trauma & Surgical Critical Care Skills
- 09 Surgical Emergency
- 10 Minimally Invasive Surgery
- 11 Vascular & Endovascular Surgical Skills (Basic)

Internal Medicine Skills Education

- 01 Echocardiography Skills
- 02 Endoscopic Skills
- 03 Infection Control Skills

Dentistry Education

- 01 Prosthodontics
- 02 Oral & Maxillofacial Surgery
- 03 Dental Implantology
- 04 Orthodontics

Non-clinical Education

- 01 Medical ICT
- 02 Hospital Management

Surgical Skills Education

- 01 Hepatobiliary & Pancreatic Surgery Skills (Basic)
- 02 Hepatobiliary & Pancreatic Surgery Skills (Advanced)
- 03 Gastrointestinal Surgery Skills (Basic)
- 04 Gastrointestinal Surgery Skills (Advanced)
- 05 Colorectal Surgery Skills (Basic)
- 06 Colorectal Surgery Skills (Advanced)
- 07 Breast & Thyroid Surgery Skills
- 08 Trauma & Surgical Critical Care Skills
- 09 Surgical Emergency
- 10 Minimally Invasive Surgery
- 11 Vascular & Endovascular Surgical Skills (Basic)



01 Hepatobiliary & Pancreatic Surgery Skills Basic

- Surgical Techniques for Hepatectomy
- Basic Surgical Techniques for Liver Transplantation
- Cholecystectomy, Bile Duct Excision and Choledochojunostomy
- Pancreaticoduodenectomy and Pancreatectomy



대한외과술기연구회
Korean Surgical Skill Study Group

6 hr 19 min

UNIT 1	01 Open Right Hepatectomy	● 16:10
	02 Left Hemihepatectomy	● 15:08
	03 Laparoscopic Left Lateral Sectionectomy	● 10:21
	04 Laparoscopic Major Liver Resection	● 36:40
UNIT 2	05 Liver Recovery in Deceased Donor	● 22:38
	06 Surgical Techniques in Living Donor Liver Transplantation Using Right Liver Graft	● 21:30
	07 Donor Right Hepatectomy	● 20:12
	08 Recipient's Total Hepatectomy for Living Donor Liver Transplantation	● 26:24
UNIT 3	09 Laparoscopic Cholecystectomy	● 08:51
	10 Single Incision Laparoscopic Cholecystectomy(SILC)	● 12:52
	11 Laparoscopic Splenectomy	● 15:50
	12 Robotic Hepatectomy	● 16:38
UNIT 4	13 Hepaticojejunostomy	● 14:30
	14 Laparoscopic Common Bile Duct Exploration	● 24:23
	15 Laparoscopic & Robotic Surgery for Choledochal Cyst	● 16:59
	16 Laparoscopic Hepatoduodenal LN Dissection	● 12:26
UNIT 5	17 Open Pancreaticoduodenectomy	● 30:21
	18 Laparoscopic Pancreaticoduodenectomy	● 19:20
	19 Radical Antegrade Modular Pancreatosplenectomy	● 24:17
	20 Laparoscopic Spleen Preserving Distal Pancreatectomy	● 13:41

02 Hepatobiliary & Pancreatic Surgery Skills **Advanced**

- Liver Surgery and Treatment I
- Liver Surgery and Treatment II
- Biliary Surgery
- Pancreatic Surgery
- Other HBP Surgery



대한외과술기연구회
Korean Surgical Skill Study Group

5 hr 57 min

UNIT 1	01 Strategy of Radical Surgical Resection for the Perihilar Cholangiocarcinoma According to the Bismuth Type	24:49
	02 Caudate Lobe Resection	12:29
	03 Laparoscopic Radiofrequency Ablation of Liver Tumor	08:27
UNIT 2	04 Laparoscopic Right Posterior Sectionectomy	12:07
	05 Robotic Right Hepatectomy	28:05
	06 Characteristics of Diverse Devices Used for Liver Resection	18:15
UNIT 3	07 Laparoscopic Extended Cholecystectomy with Lymphadenectomy	37:31
	08 Laparoscopic Cholecystectomy for Complicated Cases	49:57
	09 Laparoscopic Hepaticojejunostomy	16:50
UNIT 4	10 Hybrid Pancreaticoduodenectomy	32:03
	11 Total Pancreatectomy	23:55
	12 Pancreatic Enucleation	18:25
UNIT 5	13 Laparoscopic Longitudinal Pancreaticojejunostomy	23:57
	14 Transduodenal Ampullectomy(TDA)	33:29
	15 Pancreas Transplantation	17:05

03 Gastrointestinal Surgery Skills Basic

- Basic of Laparoscopic GI Surgery
- Concept of Gastric Cancer Treatment, Various Type of Gastric Cancer Surgery
- Surgeon's Gastroscopy, Endoscopic Treatment of Gastric Cancer
- Various Type of Surgery in Benign Disease (Peptic Ulcer, GERD, Bariatric)



대한외과술기연구회
Korean Surgical Skill Study Group

8 hr 35 min

UNIT 1	01 General Strategy for Gastric Cancer Surgery: Beyond MIS	38:31
	02 Surgeon's Gastroscopy	28:58
	03 Endoscopic Resection for Gastric Cancer	26:35
	04 Basics of Laparoscopic GI Surgery: Dissection, Suture & Tie	35:14
	05 Tips for Laparoscopic GI Surgery: Surgical Device and Maneuver	15:29
UNIT 2	06 Gastric Cancer Surgery I: Distal Subtotal Gastrectomy, D2 Lymph Node Dissection	27:23
	07 Gastric Cancer Surgery II: Anastomotic Methods in Laparoscopic Distal Gastrectomy	12:08
	08 Gastric Cancer Surgery III: Total Gastrectomy - LN Dissection	23:04
	09 Gastric Cancer Surgery IV: Total Gastrectomy - Anastomosis	35:49
UNIT 3	10 Gastric Cancer Surgery V: Pylorus Preserving Gastrectomy(PPG)	23:31
	11 Gastric Cancer Surgery VI: Proximal Gastrectomy	28:22
	12 Gastric Cancer Surgery VII: Extended Gastrectomy(Multivisceral Resection)	18:50
	13 Diagnostic Laparoscopy & Palliative Surgery for Gastric Cancer	18:02
UNIT 4	14 Application of Image Guided Surgery for Gastric Cancer	34:52
	15 Robotic Gastric Cancer Surgery	30:51
	16 Surgery for Gastric Subepithelial Tumor	20:33
	17 Surgery for Peptic Ulcer Disease	20:33
UNIT 5	18 Surgical Treatment of GERD	27:16
	19 Bariatric and Metabolic Surgery	30:44
	20 Training of Laparoscopic Gastrectomy with Animal & Cadaver	18:54

04 Gastrointestinal Surgery Skills **Advanced**

- Surgery for Esophageal Cancer & Gastroesophageal 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



대한외과술기연구회
Korean Surgical Skill Study Group

8 hr 24 min

UNIT 1	01 Minimally Invasive Esophagectomy	37:44
	02 Adenocarcinoma of Gastroesophageal Junction	26:59
UNIT 2	03 Remnant Gastric Cancer	45:15
	04 Laparoscopic Gastrectomy in Patients with Upper Abdominal Surgery	33:43
	05 Laparoscopic Duodenal Tumor Surgery	23:21
UNIT 3	06 Intra-corporeal Anastomosis after Laparoscopic Partial Gastrectomy	32:47
	07 Hybrid Robotic and Laparoscopic Gastrectomy(HRLG) for Gastric Cancer	38:32
	08 Reduced Port Gastrectomy	31:17
UNIT 4	09 Intraoperative Bleeding Control of Laparoscopic Gastrectomy for Gastric Cancer	39:14
	10 Intraoperative Gastrosocopy for Gastric Cancer Surgery	26:41
	11 Laparoscopic Emergency Surgery for Gastrointestinal Disease	37:10
UNIT 5	12 Metabolic Surgery: LRYGB and LSG	26:29
	13 Re-operative(Revisional) Bariatric Surgery	19:12
	14 Laparoscopic Inguinal Hernia Repair	50:00
	15 Laparoscopic Surgery of Ventral Hernia : Treatment Principles and Various Surgical Techniques	36:09

05 Colorectal Surgery Skills Basic

- Colorectal Cancer; Introduction and Treatment Strategy
- Various Type of Colorectal Cancer Surgery
- Basic Colonoscopy Skills
- Various Type of Surgery in Benign Disease (Hernia, Appendicitis, Diverticulitis)
- Enhanced Recovery after Surgery(ERAS) Program in Colorectal Surgery



대한외과술기연구회
Korean Surgical Skill Study Group

7 hr 36 min

UNIT 1	01 Basic Skills in Colonoscopy & Polypectomy	26:43
	02 Endoscopic Treatment of Early Colorectal Cancer	20:07
	03 Laparoscopic Colectomy for Diverticulitis	22:10
	04 Laparoscopic Appendectomy(Multiport and Single Port)	20:37
UNIT 2	05 What Is Complete Mesocolic Excision(CME)?: Anatomy and Surgical Tip & Tricks	12:09
	06 What Is Total Mesorectal Excision(TME)?: Anatomy and Surgical Tip & Trick	25:27
	07 Laparoscopic Right Hemicolectomy	18:55
	08 Laparoscopic Left Colectomy	19:15
	09 Splenic Flexure Takedown: Surgical Tips & Tricks?	09:33
UNIT 3	10 IMA Ligation with Nerve Preservation High Ligation vs Low Ligation	23:14
	11 Single Incision Laparoscopic Anterior Resection(SILS-AR)	20:01
	12 Safe Stapling and Anastomosis in Pelvic Cavity	26:16
	13 Laparoscopic Low Anterior Resection	21:26
UNIT 4	14 Robotic Surgery for Rectal Cancer	20:04
	15 TME & Colo-anal Anastomosis, TOP to BOTTOM	30:14
	16 Lateral Pelvic Node Dissection	18:49
	17 Laparoscopic Abdominoperineal Resection	21:55
UNIT 5	18 Transanal TME(Total Mesorectal Excision)	16:39
	19 Laparoscopic Inguinal Hernia Repair	47:53
	20 Transanal Minimally Invasive Surgery(TAMIS)	11:57
	21 Enhanced Recovery after Surgery(ERAS) in Colorectal Surgery	22:42

06 Colorectal Surgery Skills **Advanced**

- Anatomy and Oncologic Principle in Colon Cancer
- Anatomy and Oncologic Principle in Rectal Cancer
- Radical Colorectal Surgery Beyond TME
- Updated Technology/Treatment Strategies in Colorectal Field
- Prevention, Detection and Management of Complications



대한외과술기연구회
Korean Surgical Skill Study Group

7 hr 14 min

UNIT 1	01 Anatomy and Evidence Review of CME & CVL	🕒 12:42
	02 Surgical Technique of Laparoscopic Right Hemicolectomy with D3 Dissection	🕒 25:38
	03 Surgical Technique and Evidence Review of ICA & ECA	🕒 23:05
	04 Complexity of Surgical Approach to Transverse Colon Cancer	🕒 16:02
	05 Anatomy and Surgical Technique of Splenic Flexure Takedown	🕒 16:55
UNIT 2	06 Surgical Anatomy and Techniques of TME	🕒 25:12
	07 LPLD: Evidence & Anatomy	🕒 16:43
	08 Surgical Procedure of Lateral Pelvic Lymph Node Dissection	🕒 25:24
	09 Robotic TME: Techniques and Review	🕒 18:53
	10 Laparoscopic Colorectal Surgery Using Articulating Devices	🕒 13:20
UNIT 3	11 Evidence-based Review of Pelvic Exenteration	🕒 14:46
	12 Anatomical Understanding & Surgical Approach for Pelvic Exenteration	🕒 14:14
	13 Extralevator APR Procedure & Review of Literature	🕒 19:11
	14 Pelvic Reconstruction: GS-PS Collaborative Approach in Pelvic and Perineal Surgery	🕒 20:26
UNIT 4	15 Application of Indocyanine Green in Colorectal Surgery	🕒 15:25
	16 Safe Stapling Technique	🕒 17:29
	17 Surgical Bond in Colorectal Surgery	🕒 15:26
	18 Neoadjuvant Treatment in Colorectal Field(TNT, Neoadjuvant Chemo, Long & Short RTx)	🕒 24:37
	19 Laparoscopic Surgery after Metallic Stent Insertion for Obstructive Left-sided Colorectal Cancer	🕒 15:32
UNIT 5	20 Surgical Site Infection	🕒 21:35
	21 Anastomosis Leakage in Colorectal Surgery	🕒 28:14
	22 Postoperative Ileus	🕒 22:13
	23 Incisional Hernia	🕒 11:46

07 Breast & Thyroid Surgery Skills

- Breast & 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)



대한외과술기연구회
Korean Surgical Skill Study Group

7 hr 6 min

UNIT 1	01 Breast and Thyroid Ultrasonography Intraoperative	🕒 27:23
	02 Ultrasound-guided Fine Needle Aspiration Cytology & Core Needle Biopsy for Breast Nodules	🕒 21:25
	03 Excision Biopsy Incision & Drainage	🕒 25:09
	04 Wide Excision of Benign Breast Disease	🕒 17:10
UNIT 2	05 Breast Conserving Surgery(Overlying Skin Incision)	🕒 20:17
	06 Basic Breast Surgery for Breast Cancer: Total Mastectomy	🕒 22:34
	07 Nipple Sparing Mastectomy(NSM): Various Incision Techniques	🕒 23:19
UNIT 3	08 Sentinel Lymph Node Biopsy	🕒 20:34
	09 Axillary Lymph Node Dissection with Total Mastectomy	🕒 26:26
	10 Axillary Lymph Node Dissection II: with BCS or Separate Incision	🕒 20:10
UNIT 4	11 Conventional Open Total Thyroidectomy	🕒 29:04
	12 Central Neck Lymph Node Dissection	🕒 11:19
	13 Thyroid Surgery: Lateral Neck Dissection	🕒 25:06
	14 Intraoperative Neuromonitoring During Open Thyroidectomy	🕒 20:12
UNIT 5	15 Thyroidectomy Bilateral Axillo-breast Approach(BABA)	🕒 24:12
	16 Robotic Transaxillary Thyroidectomy	🕒 23:21
	17 Transoral Robotic Thyroidectomy(TORT)	🕒 51:36
	18 Posterior Retroperitoneoscopic Adrenalectomy(PRA)	🕒 17:24

08 Trauma & Surgical Critical Care Skills

- Primary Survey and Resuscitation for Multiple Trauma Patients
- Airway and Ventilatory Management
- Thoracic Trauma
- Abdomen and Pelvic Trauma
- Bedside Procedure and ICU Management



대한외과술기연구회
Korean Surgical Skill Study Group

6 hr 49 min

UNIT 1	01 Primary Survey and Resuscitation for Multiple Trauma Patients	⌚ 25:02
	02 Damage Control Resuscitation	⌚ 12:09
	03 Massive Transfusion & Hemostatic Agents	⌚ 16:48
	04 Fast(Focused Assessment with Sonography for Trauma)	⌚ 24:13
UNIT 2	05 Management of the Airway	⌚ 18:27
	06 Rapid Sequence Intubation(RSI)	⌚ 10:23
	07 Cricothyroidotomy	⌚ 07:48
	08 Tracheostomy	⌚ 20:44
UNIT 3	09 Initial Evaluation and Management of Thoracic Injury	⌚ 25:38
	10 Needle Decompression Tube Thoracostomy	⌚ 17:45
	11 Resuscitative Thoracotomy	⌚ 30:32
	12 Pericardiocentesis Pericardiostomy	⌚ 22:41
UNIT 4	13 Abdominal Injury: Trauma & Surgical Critical Care	⌚ 27:55
	14 Damage Control Surgery and Temporary Abdominal Closure	⌚ 37:19
	15 Assessment and Management for Pelvic Injury	⌚ 15:34
	16 Preperitoneal Pelvic Packing	⌚ 15:05
UNIT 5	17 Arterial Line Placement	⌚ 09:03
	18 Central Venous Catheterization	⌚ 11:58
	19 Basic Principle and Interpretation of Mechanical Ventilation	⌚ 34:16
	20 Hemodynamic Monitoring	⌚ 25:52

09 Surgical Emergency

- General Management for Surgical Emergency
- Surgical Emergency in Gastrointestinal Tract (1)
- Surgical Emergency in Gastrointestinal Tract (2)
- Surgical Emergency in HBP Organs
- Burn and Pediatric Surgical Emergency



대한외과술기연구회
Korean Surgical Skill Study Group

10 hr 56 min

UNIT 1	01 Fluid Management	28:51
	02 ICU Nutrition	36:37
	03 Shock	24:25
	04 Difficult Abdominal Wall Closure	37:30
	05 Surgical Access for Nutritional Support(Jejunostomy,Gastrotomy)	27:11
UNIT 2	06 Surgical Treatment for Gastro-Duodenal Perforation	37:17
	07 Small Bowel Obstruction	27:52
	08 Various Endoscopic Hemostatic Methods	16:59
	09 Acute Appendicitis and Colon Diverticulitis	39:42
UNIT 3	10 Perforation in the Colon and Rectum	20:59
	11 Surgical Management for Colorectal Obstruction	28:41
	12 Surgical Treatment of Colonoscopic Complications	17:50
	13 Assessment and Management of Anorectal Injury	22:20
	14 Stoma-Management and Complication Prevention	28:22
UNIT 4	15 Radiologic Finding of Hepatobiliary, Pancreas Emergency : Trauma and Non-Traumatic Condition	54:00
	16 Surgical Treatment of Acute Cholecystitis	30:55
	17 Management of CBD Stone and Biliary Injury	28:24
	18 Surgical Treatments for Liver Injury	27:24
	19 Pancreas and Spleen Injury	23:33
UNIT 5	20 Initial Management and Fluid Resuscitation for Burned Patients	31:04
	21 Surgical Treatment of Burns	27:52
	22 Pediatric Emergency : Intussusception	20:25
	23 Infantile Hypertrophic Pyloric Stenosis(IHPS)	18:25

10 Minimally Invasive Surgery

- Overview of Laparoscopic and Robotic Surgical Systems, Surgical Instruments, and Basic Techniques
- Basic Surgery for Upper and Lower Gastrointestinal Tracts and Hernia
- Basic Surgery for Hepatobiliary System and Thyroid Gland



대한외과술기연구회
Korean Surgical Skill Study Group

4 hr 48 min

UNIT 1	01 Laparoscopic Instrument (Camera and Energy Devices)	20:42
	02 Basic Laparoscopy Techniques	32:06
	03 Laparoscopic Bleeding Control in Gastrointestinal Surgery	26:06
	04 Preparation and Operation of the da Vinci Robotic System	24:33
UNIT 2	05 Minimally Invasive Surgery Distal Gastrectomy	30:29
	06 Minimally Invasive Surgery for Colon Surgery	34:41
	07 Minimally Invasive Surgery for Hernia Surgery	47:57
UNIT 3	08 Minimally Invasive Cholecystectomy	25:08
	09 The Basics of Laparoscopic Liver Resection :Left Lateral Sectionectomy	26:03
	10 MIS Thyroidectomy	20:36

11 Vascular & Endovascular Surgical Skills Basic

- Principles and Basic Techniques in Vascular Surgery I
- Principles and Basic Techniques in Vascular Surgery II
- Preoperative Preparation and Donor/Recipient Surgery in Kidney Transplantation



대한외과술기연구회
Korean Surgical Skill Study Group

4 hr 43 min

UNIT 1	01 Basic Vascular Surgical Techniques	23:28
	02 Introduction to Vascular Intervention	19:27
	03 Arteriovenous Access for Hemodialysis	21:58
	04 Peripheral Vascular Disease Revascularization, Open and Endovascular	57:32
UNIT 2	05 Abdominal Aortic Aneurysm: Open Surgery and EVAR	22:48
	06 Carotid Endarterectomy (CEA) Basic	17:32
	07 Varicose Veins & DVT	19:25
UNIT 3	08 Pre-transplant Evaluation: Donor and Recipient	31:16
	09 Minimally Invasive Donor Nephrectomy	42:46
	10 Kidney Transplantation Surgery	27:26

Internal Medicine Skills Education

01 Echocardiography Skills

02 Endoscopic Skills

03 Infection Control Skills



01 Echocardiography Skills

- Basic Transthoracic Skills
- Special Echocardiography and Assessment of Cardiac Function
- Disease Specific Echocardiographic Findings(1)
- Disease Specific Echocardiographic Findings(2)
- Disease Specific Echocardiographic Findings(3)



Pusan
National University
Yangsan Hospital

9 hr 33 min

UNIT 1	01 The Structure and Hemodynamics of Heart	28:57
	02 Physics and Knobology	27:56
	03 Normal Echocardiography and Measurement	23:42
	04 Normal Variants and Artifacts	22:39
UNIT 2	05 Doppler Study and Hemodynamic Assessment	28:38
	06 Transesophageal Echo, Contrast Echo & Stress Echo	36:55
	07 Left and Right Ventricular Systolic Function	38:51
	08 Diastolic Function of the Left Ventricle	34:45
UNIT 3	09 Evaluation of RWMA(Regional Wall Motion Abnormality)	25:30
	10 Complications of MI and Non-ischemic RWMA	23:57
	11 Valvular Stenosis	28:48
	12 Valvular Regurgitation	47:08
UNIT 4	13 Hypertrophic Cardiomyopathy and Restrictive Cardiomyopathy	31:12
	14 Dilated Cardiomyopathy	19:51
	15 Acute Aortic Syndrome	24:38
	16 Aortic Aneurysm & Aortic Atherosclerosis	23:52
UNIT 5	17 Congenital Heart Disease in Adult	22:59
	18 Pericardial Disease	29:46
	19 Pulmonary Hypertension and Pulmonary Embolism	29:10
	20 Cardiac Mass and Infective Endocarditis	24:44

02 Endoscopic Skills

- Preparations for the Start of the Endoscopy Room
- Pre- and Post-treatment for Endoscopes and Essential Monitoring of Endoscopic Processes
- Getting Started with Upper Gastrointestinal Endoscopy
- Getting Started with Lower Gastrointestinal Endoscopy
- Getting Started with Advanced Technology for High Level of Endoscopy


8 hr 3 min

UNIT 1	01 Human Resource and Facilities Preparation	🕒 17:36
	02 Understanding and Proper Management of Endoscopic Structures	🕒 22:05
	03 Disinfection: High-level Disinfectant and Reprocessing Methods	🕒 21:29
	04 Program of Nurse Training	🕒 20:28
UNIT 2	05 Pre-procedural Preparation for Sedation Endoscopy and Sedation	🕒 23:36
	06 Intra - and Post - procedural Monitoring of Sedation Endoscopy	🕒 18:13
	07 Dealing and Prevention of Adverse Events During Sedation for GI Endoscopy	🕒 26:33
	08 General Introduction for Endoscopic Quality Evaluation	🕒 13:19
UNIT 3	09 Basic Technique of Esophagogastroduodenoscopy	🕒 38:23
	10 Biopsies in Gastrointestinal Endoscopy	🕒 32:21
	11 Upper Gastrointestinal Endoscopy: Case-based Learning	🕒 19:39
	12 Basic Therapeutic Endoscopy: Endoscopic Hemostasis	🕒 19:47
UNIT 4	13 Preparation before Colonoscopy: Pre-treatment	🕒 13:22
	14 Basic Technique of Basic Colonoscopy Insertion and Diagnostic Colonoscopy	🕒 15:48
	15 Complication Related to Colonoscopy	🕒 22:35
	16 Lower Gastrointestinal Endoscopy: Case-based Learning	🕒 44:26
UNIT 5	17 Gastric Polypectomy	🕒 24:34
	18 Colon Polypectomy: Case-based Learning	🕒 35:37
	19 Endoscopic Submucosal Dissection(ESD)	🕒 26:16
	20 Percutaneous Endoscopic Gastrostomy(PEG)	🕒 27:02

03 Infection Control Skills

- 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


8 hr 25 min

UNIT 1	01 Basics and Concepts of Infection Control	26:32
	02 Infection Control System and Operation	27:13
	03 Data Analysis, Statistical Analysis, and Data Utilization in Infection Control	23:38
UNIT 2	04 Physician Aspects of Infection Control in Medical Institutions	24:38
	05 Nurses Aspects of Infection Control in Medical Institutions	23:41
	06 Management Aspect of Infection Control in Medical Institutions	27:05
UNIT 3	07 Hand Hygiene Needs and Practice, Hand Hygiene Monitoring	17:57
	08 Aspects of Microbiology and Diagnostic Laboratory Medicine Necessary for Infection Control in Medical Institutions	33:39
	09 Multidrug Resistant Bacteria Infection Control	24:07
	10 Prepare for High-risk Infectious Diseases	24:36
UNIT 4	11 Infection Control by Transmission Route(Standard, Contact, Droplet, Air-borne Infection)	23:16
	12 Prevention and Management of Patients Exposed to Infectious Diseases and Infection Control of Medical Personnel	32:11
	13 Infection Control Related to Children and Newborns, Including Neonatal Intensive Care Unit	27:36
UNIT 5	14 Disinfection and Sterilization Management	22:55
	15 Infection Control by Department	21:44
	16 Cleaning, Waste Management, Laundry Management, Visitor Management	30:57
UNIT 6	17 Infection Control in Small and Medium Hospitals and Nursing Hospitals	23:27
	18 Management of Central Venous Catheter and Central Catheter Associated Infection	22:30
	19 Ventilator Associated Infection Control and Nosocomial Pneumonia Management	26:06
	20 Urinary Catheter Infection Management and Urinary Tract Infection Management	21:29

Dentistry Education

- 01 Prosthodontics
- 02 Oral & Maxillofacial Surgery
- 03 Dental Implantology
- 04 Orthodontics



01 Prosthodontics

- Digital Dentistry
- Fixed Prosthodontics
- Partial Prosthodontics



4 hr 28 min

UNIT 1	01 Understanding Digital Workflow	🕒 23:48
	02 Effective Utilization of Intraoral Scanners	🕒 24:58
	03 Clinical Utilization of Facial Scans and Virtual Patients	🕒 26:00
	04 Occlusal Considerations of Digital Prosthesis	🕒 21:47
	05 Understanding the Manufacturing Process of Milling and 3D Printing	🕒 20:17
UNIT 2	06 Longevity & Reliability of Monolithic Zirconia	🕒 18:32
	07 Cementation of Zirconia	🕒 15:07
	08 Zirconia as Implant Restorative Material	🕒 13:49
	09 Use of Multilayer Zirconia	🕒 16:44
UNIT 3	10 Understanding Removable Partial Dentures(RPD) Components	🕒 16:30
	11 Diagnosis and Treatment Planning	🕒 21:15
	12 Principles of RPD Design	🕒 17:32
	13 Tooth-tissue Supported RPD	🕒 20:43
	14 Fitting the Framework & Jaw Relation Record	🕒 11:48

02 Oral & Maxillofacial Surgery

- Oral & Maxillofacial Surgery
- Oral & Maxillofacial Surgery: Latest trends in Orthognathic Surgery



3 hr 22 min

UNIT 1	01	Basic Knowledge and Management of Temporomandibular Disorders(TMDs)	14:30
	02	Current Temporomandibular Joint(TMJ) Surgery for Advanced TMDs	20:37
	03	Orthognathic Surgeries with Severe TMDs(TMJ OA)	14:06
	04	Robot-Assisted Oral Cancer Surgery	18:24
	05	Latest Trends & Techniques in Mandible Reconstruction	16:27
	06	Maxilla Reconstruction Based on the Extent of the Defect	20:02
UNIT 2	07	Current Trends in Facial Bone Surgery	24:20
	08	Tips and Tricks for Stable Mandibular Setback Surgery	19:06
	09	Simple and Accurate Surgical Planning for Orthognathic Surgery of Facial Asymmetry Patients	21:53
	10	Aesthetic Facial Bone Surgery : Orthognathic Surgery & Facial Bone Contouring Surgery	33:31

03 Dental Implantology

- Considerations before Implant Treatment, Anatomy and Diagnostics for Implant
- A surgical Procedure for an Implant, Implant Prosthetics
- How to Take Care of it after Implant



3 hr 23 min

UNIT 1	01 Strategy of Dental Treatment in Antiresorptive Therapy	16:08
	02 MRONJ and Dental Implants	12:21
	03 Radiographic Evaluation in Dental Implantology	26:27
	04 Ruling out Any Abnormal Findings that May Lead to Implant Failure	23:05
UNIT 2	05 Immediate Placement	24:57
	06 Sinus Surgery	22:35
	07 Various Impression Methods for Dental Implant	23:36
	08 Understanding of Different Connections of Dental Implants & Screw Mechanics	21:49
UNIT 3	09 Peri-Implantitis Treatment	17:11
	10 Implant Maintenance	15:27

04 Orthodontics

- Orthodontic Treatment
- Orthodontic Treatment Using Miniscrews
- Integration of Micro-implants and Clear Aligners
- Limitations and Overcoming Challenges in Miniscrew-Assisted Orthodontics
- Limited Orthodontic Treatment



4 hr 33 min

UNIT 1	01 Orthodontic Biomechanics of Single Tooth Movement for Impacted Tooth	29:30
	02 Insertion Sites for Orthodontic Miniscrews and Troubleshooting	30:31
UNIT 2	03 Bodily Retraction of Upper Incisors Using Miniscrew Anchorage	26:19
	04 Facial and Occlusal Control Using Miniscrews in Growing Class II	20:45
UNIT 3	05 Clear Aligner-microimplant Combined Treatment-molar Intrusion	28:16
	06 Clear Aligner-microimplant Combined Treatment for Non-extraction Distalization	28:20
UNIT 4	07 Complications and Limitations in Applying Miniscrews	28:32
	08 Overcoming Clinical Limitations of Orthodontic Miniscrews	25:27
UNIT 5	09 Rejuvenation Orthodontics for the Middle Aged Adults	32:02
	10 Adjunctive Orthodontics-molar Intrusion for Prosthetic Restorations	24:02

Non-clinical Education

01 Medical ICT

02 Hospital Management



01 Medical ICT

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


12 hr 8 min

UNIT 1	01 Hospital Information System: Backbone of Healthcare Data, SNUBH Experience(1)	35:56
	02 Hospital Information System: Backbone of Healthcare Data, SNUBH Experience(2)	37:27
	03 Korean Perspective of Healthcare ICT	27:29
UNIT 2	04 EMR Functionality	30:33
	05 EMR: Standards of Electronic Health Records	33:05
	06 Adoption Strategy of EMR(Electronic Medical Record)(1)	29:47
	07 Adoption Strategy of EMR(Electronic Medical Record)(2)	30:07
	08 Distributed Research Network for Multi-center Big Data Research	55:08
UNIT 3	09 Concept & Trend of Big Data & AI in Healthcare(1)	32:57
	10 Concept & Trend of Big Data & AI in Healthcare(2)	31:53
	11 AI Showcase in Korea: Enterprise Imaging Strategy & Planning	25:49
	12 AI Showcase in Korea	49:44
UNIT 4	13 5G, IoT & Connected Healthcare(1)	39:23
	14 5G, IoT & Connected Healthcare(2)	49:13
	15 Experience of Mobile Healthcare Applications: Development, Implementation & Evaluation(1)	47:52
	16 Experience of Mobile Healthcare Applications: Development, Implementation & Evaluation(2)	37:35
UNIT 5	17 Concept of PMI: Future Medicine	33:43
	18 PMI: Precision Healthcare with Personal Genome Information	49:46
	19 Korea Usecase of PMI(1)	30:28
	20 Korea Usecase of PMI(2)	20:52

02 Hospital Management

- Leadership of Hospital Management Managers
- Organization and Management of Hospital Organization
- Hospital Finance and Accounting
- Hospital Informatization
- Hospital Performance Management


11 hr 21 min

UNIT 1	01 Concept and Environment of Hospital Management	33:49
	02 Roles of Leaders and Managers	35:46
	03 Mission, Vision and Goals of Health Service Organization	27:39
	04 Human Resources Management of the Hospital	29:23
	05 Case Study	22:18
UNIT 2	06 Classification of Hospital	20:04
	07 Structures and Characteristics of Hospital Organization	19:21
	08 Organization Design	31:30
	09 Organizational Behavior Management	30:27
	10 Case Study	26:34
UNIT 3	11 Concepts and Classification of Hospital Finance/Accounting	24:02
	12 Understanding Financial Statements	27:19
	13 Hospital Financial Analysis	30:29
	14 Capital Raising and Capital Budgeting of Hospitals	26:31
	15 Hospital Asset Management	25:55
UNIT 4	16 Hospital Information System	22:04
	17 Common Data Model	35:19
	18 Medical Information & Intelligence Technology Utilization	25:46
	19 PHR and eHealth Exchange	35:17
	20 CDSS and AI	19:44
UNIT 5	21 Hospital Environment Analysis	30:31
	22 Hospital Performance Analysis	16:30
	23 Innovation and Total Quality Management of Hospitals	29:24
	24 Healthcare Service Management	25:01
	25 Hospital Branding	31:01

Host

Ministry of Health and Welfare

13, Doum 4-ro, Sejong, Korea
<http://www.mohw.go.kr/eng/index.jsp>



Organizer

Korea Health Industry Development Institute (KHIDI)

187, Osongsaengmyeong 2-ro, Osong-eup,
Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Korea
<https://www.khidi.or.kr> mkaglobal@khidi.or.kr



Course Content Providers

The Korean Surgical Skill Study Group (KSSSG)

#415, Venture building, 5-15, Seonggi 5-gil, Mapo-gu, Seoul, Korea
<http://www.ksssg.co.kr>



The Korean Society of Hospital Management (KSHM)

#377, YIHW, 1, Yeonsedae-gil, Heungeop-myeon, Wonju-si, Gangwon-do, Korea
<http://ksha.net>



Korean Academy of Dental Science (KADS)

#205, 257, Gwangnaru-ro, Seongdong-gu, Seoul, Korea
<https://kads.or.kr>



Ewha Womans University Mokdong Hospital

1071, Anyangcheonro, Yangcheon-gu, Seoul, Korea
<https://mokdong.eumc.ac.kr/eng>



Ewha Womans University Seoul Hospital

260, Gonghang-daero, Gangseo-gu, Seoul, Korea
<https://seoul.eumc.ac.kr/eng>



Pusan National University Yangsan Hospital

20, Geumo-ro, Mulgeumeup, Yangsan-si, Gyeongsangnamdo, Korea
<https://www.pnuhyh.or.kr/english>



Seoul National University Bundang Hospital

82, Gumi-ro 173 Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea
<https://www.snubh.org/dh/en/>



Contact us

✉ Partnership inquiries : mkaglobal@khidi.or.kr
✉ MKA e-class support : mkaeclass@gmail.com

MKA e-class

