



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

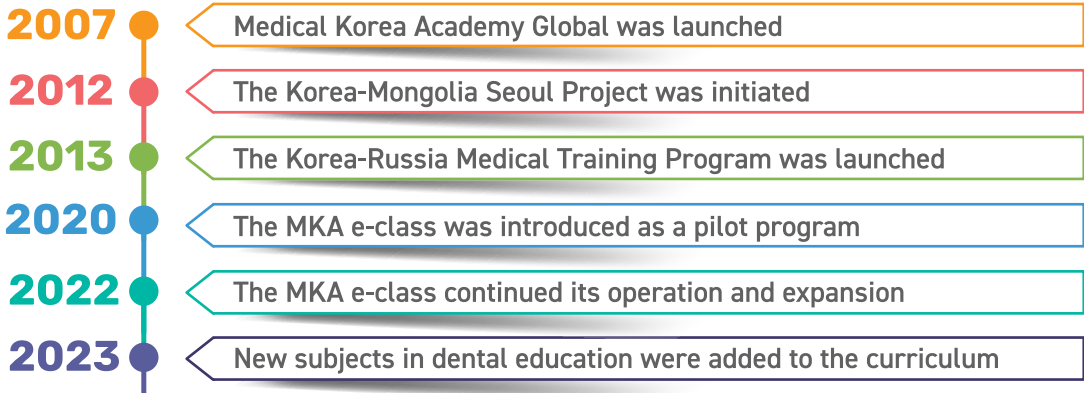
Fostering
Healthcare
Industry and
Supporting
Business

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 objective is to enable participants to enhance their medical knowledge and skills by engaging in diverse training programs provided at hospitals in Korea, while also gaining a deeper understanding of Korean medical services.

In 2020, in response to the Covid-19 situation, the Medical Korea Academy introduced the MKA e-class as a secure training course. This program enables participants to acquire advanced medical skills from Korea without the need to travel to the country. The online platform has now expanded its educational offerings, providing participants with in-depth knowledge in various medical disciplines for an enhanced learning experience.

History



Overview

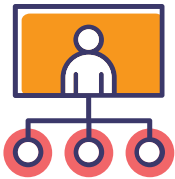
The KHIDI has developed an online medical training program called MKA e-class, in response to the changing dynamics of the new normal era.

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 60 different countries have successfully completed our online training program.



In 2024, MKA e-class is expanding its horizons, bringing in new topics in dental education, including Prosthodontics, Oral & Maxillofacial Surgery.

Training Courses



Available Courses

16 Courses

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

2 Months

Study at Your Own Pace
within This Period

※ The program schedule is subject to change.

Training Process



MKA e-class



MKA e-class offers a variety of training courses including Surgical Skills Education (Hepatobiliary & Pancreatic Surgery, Gastrointestinal Surgery, Colorectal Surgery, Breast & Thyroid, Trauma & Surgical Critical Care, and Surgical Emergency), Internal Medicine Skills Education (Echocardiography, Endoscopic, Infection Control), Non-clinical Education (Medical ICT, Hospital Management), and Dentistry Education (Prosthodontics, Oral & Maxillofacial Surgery).

These lectures provide detailed information that may have been limited during in-person hospital training. By participating in MKA e-class, you gain access to comprehensive and in-depth knowledge delivered by experts in the field.

MKA e-class Statistics

2020 - 2023



61
Countries



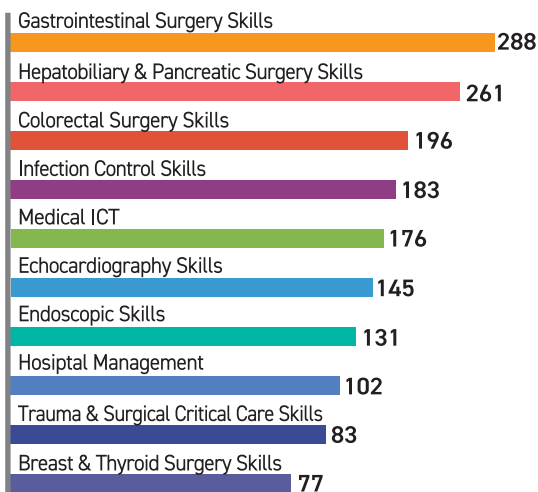
864
Graduates



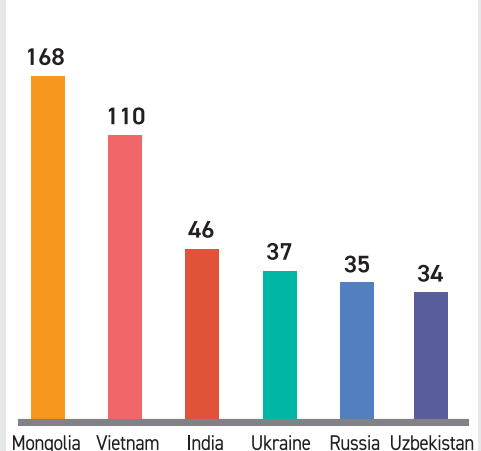
1,642
Certificates Issued



Course subjects with the highest number of program alumni
(2020 ~ 2023)



Countries with the highest number of program alumni
(2020 ~ 2023)





Expand
Your Clinical Expertise
from Anywhere
with MKA e-class

MKA e-class Curriculum

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

Internal Medicine Skills Education

10 Echocardiography Skills

11 Endoscopic Skills

12 Infection Control Skills

Non-clinical Education

13 Medical ICT

14 Hospital Management

Dentistry Education

15 Prosthodontics

16 Oral & Maxillofacial Surgery

01

Hepatobiliary & Pancreatic Surgery Skills ⌚ 6hrs 19m



Basic

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


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 Korean Surgical Skill Study Group

UNIT 1

- | | |
|---|-----------------------------------------|
| 1 | Open Right Hepatectomy |
| 2 | Left Hemihepatectomy |
| 3 | Laparoscopic Left Lateral Sectionectomy |
| 4 | Laparoscopic Major Liver Resection |

UNIT 2

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|---|-----------------------------------------------------------------------------------|
| 5 | Liver Recovery in Deceased Donor |
| 6 | Surgical Techniques in Living Donor Liver Transplantation Using Right Liver Graft |
| 7 | Donor Right Hepatectomy |
| 8 | Recipient's Total Hepatectomy for Living Donor Liver Transplantation |

UNIT 3

- | | |
|----|----------------------------------------------------|
| 9 | Laparoscopic Cholecystectomy |
| 10 | Single Incision Laparoscopic Cholecystectomy(SILC) |
| 11 | Laparoscopic Splenectomy |
| 12 | Robotic Hepatectomy |

UNIT 4

- | | |
|----|-----------------------------------------------------|
| 13 | Hepaticojejunostomy |
| 14 | Laparoscopic Common Bile Duct Exploration |
| 15 | Laparoscopic & Robotic Surgery for Choledochal Cyst |
| 16 | Laparoscopic Hepatoduodenal LN Dissection |

UNIT 5

- | | |
|----|------------------------------------------------------|
| 17 | Open Pancreaticoduodenectomy |
| 18 | Laparoscopic Pancreaticoduodenectomy |
| 19 | Radical Antegrade Modular Pancreatosplenectomy |
| 20 | Laparoscopic Spleen Preserving Distal Pancreatectomy |

02

Hepatobiliary & Pancreatic Surgery Skills ⌚ 5hrs 57m



Advanced

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



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UNIT 1

- 1 Strategy of Radical Surgical Resection for the Perihilar Cholangiocarcinoma According to the Bismuth Type
- 2 Caudate Lobe Resection
- 3 Laparoscopic Radiofrequency Ablation of Liver Tumor

UNIT 2

- 4 Laparoscopic Right Posterior Sectionectomy
- 5 Robotic Right Hepatectomy
- 6 Characteristics of Diverse Devices Used for Liver Resection

UNIT 3

- 7 Laparoscopic Extended Cholecystectomy with Lymphadenectomy
- 8 Laparoscopic Cholecystectomy for Complicated Cases
- 9 Laparoscopic Hepaticojejunostomy

UNIT 4

- 10 Hybrid Pancreaticoduodenectomy
- 11 Total Pancreatectomy
- 12 Pancreatic Enucleation

UNIT 5

- 13 Laparoscopic Longitudinal Pancreaticojejunostomy
- 14 Transduodenal Ampullectomy(TDA)
- 15 Pancreas Transplantation

03

Gastrointestinal Surgery Skills ⌚ 8hrs 35m

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)



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UNIT 1

- 1 General Strategy for Gastric Cancer Surgery: Beyond MIS
- 2 Surgeon's Gastroscopy
- 3 Endoscopic Resection for Gastric Cancer
- 4 Basics of Laparoscopic GI Surgery: Dissection, Suture & Tie
- 5 Tips for Laparoscopic GI Surgery: Surgical Device and Maneuver

UNIT 2

- 6 Gastric Cancer Surgery I: Distal Subtotal Gastrectomy, D2 Lymph Node Dissection
- 7 Gastric Cancer Surgery II: Anastomotic Methods in Laparoscopic Distal Gastrectomy
- 8 Gastric Cancer Surgery III: Total Gastrectomy - LN Dissection
- 9 Gastric Cancer Surgery IV: Total Gastrectomy - Anastomosis

UNIT 3

- 10 Gastric Cancer Surgery V: Pylorus Preserving Gastrectomy(PPG)
- 11 Gastric Cancer Surgery VI: Proximal Gastrectomy
- 12 Gastric Cancer Surgery VII: Extended Gastrectomy(Multivisceral Resection)
- 13 Diagnostic Laparoscopy & Palliative Surgery for Gastric Cancer

UNIT 4

- 14 Application of Image Guided Surgery for Gastric Cancer
- 15 Robotic Gastric Cancer Surgery
- 16 Surgery for Gastric Subepithelial Tumor
- 17 Surgery for Peptic Ulcer Disease

UNIT 5

- 18 Surgical Treatment of GERD
- 19 Bariatric and Metabolic Surgery
- 20 Training of Laparoscopic Gastrectomy with Animal & Cadaver

04

Gastrointestinal Surgery Skills Ⓢ 8hrs 24m

 **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


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UNIT 1

- 1 Minimally Invasive Esophagectomy
- 2 Adenocarcinoma of Gastroesophageal Junction

UNIT 2

- 3 Remnant Gastric Cancer
- 4 Laparoscopic Gastrectomy in Patients with Upper Abdominal Surgery
- 5 Laparoscopic Duodenal Tumor Surgery

UNIT 3

- 6 Intra-corporeal Anastomosis after Laparoscopic Partial Gastrectomy
- 7 Hybrid Robotic and Laparoscopic Gastrectomy(HRLG) for Gastric Cancer
- 8 Reduced Port Gastrectomy

UNIT 4

- 9 Intraoperative Bleeding Control of Laparoscopic Gastrectomy for Gastric Cancer
- 10 Intraoperative Gastroscopy for Gastric Cancer Surgery
- 11 Laparoscopic Emergency Surgery for Gastrointestinal Disease

UNIT 5

- 12 Metabolic Surgery: LRYGB and LSG
- 13 Re-operative(Revisional) Bariatric Surgery
- 14 Laparoscopic Inguinal Hernia Repair
- 15 Laparoscopic Surgery of Ventral Hernia: Treatment Principles and Various Surgical Techniques

05

Colorectal Surgery Skills ⌚ 7hrs 36m

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



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UNIT 1

- 1 Basic Skills in Colonoscopy & Polypectomy
- 2 Endoscopic Treatment of Early Colorectal Cancer
- 3 Laparoscopic Colectomy for Diverticulitis
- 4 Laparoscopic Appendectomy(Multiport and Single Port)

UNIT 2

- 5 What Is Complete Mesocolic Excision(CME)?: Anatomy and Surgical Tip & Tricks
- 6 What Is Total Mesorectal Excision(TME)?: Anatomy and Surgical Tip & Tricks
- 7 Laparoscopic Right Hemicolectomy
- 8 Laparoscopic Left Colectomy
- 9 Splenic Flexure Takedown: Surgical Tips & Tricks?

UNIT 3

- 10 IMA Ligation with Nerve Preservation High Ligation vs Low Ligation
- 11 Single Incision Laparoscopic Anterior Resection(SILS-AR)
- 12 Safe Stapling and Anastomosis In Pelvic Cavity
- 13 Laparoscopic Low Anterior Resection

UNIT 4

- 14 Robotic Surgery for Rectal Cancer
- 15 TME & Colo-anal Anastomosis, TOP to BOTTOM
- 16 Lateral Pelvic Node Dissection
- 17 Laparoscopic Abdominoperineal Resection

UNIT 5

- 18 Transanal TME(Total Mesorectal Excision)
- 19 Laparoscopic Inguinal Hernia Repair
- 20 Transanal Minimally Invasive Surgery(TAMIS)
- 21 Enhanced Recovery after Surgery(ERAS) in Colorectal Surgery

06

Colorectal Surgery Skills ⌚ 7hrs 14m


 Advanced


- Understand Anatomy and Oncologic Principle in Colon Cancer
- Understand 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


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UNIT 1

- 1 Anatomy and Evidence Review of CME & CVL
- 2 Surgical Technique of Laparoscopic Right Hemicolectomy with D3 Dissection
- 3 Surgical Technique and Evidence Review of ICA & ECA
- 4 Complexity of Surgical Approach to Transverse Colon Cancer
- 5 Anatomy and Surgical Technique of Splenic Flexure Takedown

UNIT 2

- 6 Surgical Anatomy and Techniques of TME
- 7 LPLD: Evidence & Anatomy
- 8 Surgical Procedure of Lateral Pelvic Lymph Node Dissection
- 9 Robotic TME: Techniques and Review
- 10 Laparoscopic Colorectal Surgery Using Articulating Devices

UNIT 3

- 11 Evidence-based Review of Pelvic Exenteration
- 12 Anatomical Understanding & Surgical Approach for Pelvic Exenteration
- 13 Extralevator APR Procedure & Review of Literature
- 14 Pelvic Reconstruction: GS-PS Collaborative Approach in Pelvic and Perineal Surgery

UNIT 4

- 15 Application of Indocyanine Green in Colorectal Surgery
- 16 Safe Stapling Technique
- 17 Surgical Bond in Colorectal Surgery
- 18 Neoadjuvant Treatment in Colorectal Field(TNT, Neoadjuvant Chemo, Long & Short RTx)
- 19 Laparoscopic Surgery after Metallic Stent Insertion for Obstructive Left-sided Colorectal Cancer

UNIT 5

- 20 Surgical Site Infection
- 21 Anastomosis Leakage in Colorectal Surgery
- 22 Postoperative Ileus
- 23 Incisional Hernia

07

Breast & Thyroid Surgery Skills © 7hrs 06m



- 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)



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UNIT 1	1	Breast and Thyroid Ultrasonography Intraoperative
	2	Ultrasound-guided Fine Needle Aspiration Cytology & Core Needle Biopsy for Breast Nodules
	3	Excision Biopsy Incision & Drainage
	4	Wide Excision of Benign Breast Disease
UNIT 2	5	Breast Conserving Surgery(Overlying Skin Incision)
	6	Basic Breast Surgery for Breast Cancer: Total Mastectomy
	7	Nipple Sparing Mastectomy(NSM): Various Incision Techniques
UNIT 3	8	Sentinel Lymph Node Biopsy
	9	Axillary Lymph Node Dissection with Total Mastectomy
	10	Axillary Lymph Node Dissection II: with BCS or Separate Incision
UNIT 4	11	Conventional Open Total Thyroidectomy
	12	Central Neck Lymph Node Dissection
	13	Thyroid Surgery: Lateral Neck Dissection
	14	Intraoperative Neuromonitoring During Open Thyroidectomy
UNIT 5	15	Thyroidectomy Bilateral Axillo-breast Approach(BABA)
	16	Robotic Transaxillary Thyroidectomy
	17	Transoral Robotic Thyroidectomy(TORT)
	18	Posterior Retroperitoneoscopic Adrenalectomy(PRA)

08

Trauma & Surgical Critical Care Skills

🕒 6hrs 49m



- 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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UNIT 1

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|---|---------------------------------------------------------------|
| 1 | Primary Survey and Resuscitation for Multiple Trauma Patients |
| 2 | Damage Control Resuscitation |
| 3 | Massive Transfusion & Hemostatic Agents |
| 4 | Fast(Focused Assessment with Sonography for Trauma) |

UNIT 2

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|---|--------------------------------|
| 5 | Management of the Airway |
| 6 | Rapid Sequence Intubation(RSI) |
| 7 | Cricothyroidotomy |
| 8 | Tracheostomy |

UNIT 3

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|----|------------------------------------------------------|
| 9 | Initial Evaluation and Management of Thoracic Injury |
| 10 | Needle Decompression Tube Thoracostomy |
| 11 | Resuscitative Thoracotomy |
| 12 | Pericardiocentesis Pericardiostomy |

UNIT 4

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|----|--------------------------------------------------------|
| 13 | Abdominal Injury: Trauma & Surgical Critical Care |
| 14 | Damage Control Surgery and Temporary Abdominal Closure |
| 15 | Assessment and Management for Pelvic Injury |
| 16 | Preperitoneal Pelvic Packing |

UNIT 5

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|----|--------------------------------------------------------------|
| 17 | Arterial Line Placement |
| 18 | Central Venous Catheterization |
| 19 | Basic Principle and Interpretation of Mechanical Ventilation |
| 20 | Hemodynamic Monitoring |

09 Surgical Emergency

© 10hrs 53m



- 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



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UNIT 1	1	Fluid Management
	2	ICU Nutrition
	3	Shock
	4	Difficult Abdominal Wall Closure
	5	Surgical Access for Nutritional Support(Jejunostomy,Gastrotomy)
UNIT 2	6	Surgical Treatment for Gastro-Duodenal Perforation
	7	Small Bowel Obstruction
	8	Various Endoscopic Hemostatic Methods
	9	Acute Appendicitis and Colon Diverticulitis
UNIT 3	10	Perforation in the Colon and Rectum
	11	Surgical Management for Colorectal Obstruction
	12	Surgical Treatment of Colonoscopic Complications
	13	Assessment and Management of Anorectal Injury
	14	Stoma-Management and Complication Prevention
UNIT 4	15	Radiologic Finding of Hepatobiliary, Pancreas Emergency : Trauma and Non-Traumatic Condition
	16	Surgical Treatment of Acute Cholecystitis
	17	Management of CBD Stone and Biliary Injury
	18	Surgical Treatments for Liver Injury
	19	Pancreas and Spleen Injury
UNIT 5	20	Initial Management and Fluid Resuscitation for Burned Patients
	21	Surgical Treatment of Burns
	22	Pediatric Emergency : Intussusception
	23	Infantile Hypertrophic Pyloric Stenosis(IHPS)

10

Echocardiography Skills  9hrs 33m

- 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

UNIT 1

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|---|-----------------------------------------|
| 1 | The Structure and Hemodynamics of Heart |
| 2 | Physics and Knobology |
| 3 | Normal Echocardiography and Measurement |
| 4 | Normal Variants and Artifacts |

UNIT 2

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|---|---------------------------------------------------|
| 5 | Doppler Study and Hemodynamic Assessment |
| 6 | Transesophageal Echo, Contrast Echo & Stress Echo |
| 7 | Left and Right Ventricular Systolic Function |
| 8 | Diastolic Function of the Left Ventricle |

UNIT 3

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|----|------------------------------------------------------|
| 9 | Evaluation of RWMA(Regional Wall Motion Abnormality) |
| 10 | Complications of MI and Non-ischemic RWMA |
| 11 | Valvular Stenosis |
| 12 | Valvular Regurgitation |

UNIT 4

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|----|------------------------------------------------------------|
| 13 | Hypertrophic Cardiomyopathy and Restrictive Cardiomyopathy |
| 14 | Dilated Cardiomyopathy |
| 15 | Acute Aortic Syndrome |
| 16 | Aortic Aneurysm & Aortic Atherosclerosis |

UNIT 5

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|----|-----------------------------------------------|
| 17 | Congenital Heart Disease in Adult |
| 18 | Pericardial Disease |
| 19 | Pulmonary Hypertension and Pulmonary Embolism |
| 20 | Cardiac Mass and Infective Endocarditis |

11

Endoscopic Skills  8hrs 03m

- 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

EUMC EWHA WOMANS UNIVERSITY
MOKDONG HOSPITAL

UNIT 1

- | | |
|---|----------------------------------------------------------------|
| 1 | Human Resource and Facilities Preparation |
| 2 | Understanding and Proper Management of Endoscopic Structures |
| 3 | Disinfection: High-level Disinfectant and Reprocessing Methods |
| 4 | Program of Nurse Training |

UNIT 2

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|---|---------------------------------------------------------------------------|
| 5 | Pre-procedural Preparation for Sedation Endoscopy and Sedation |
| 6 | Intra- and Post-procedural Monitoring of Sedation Endoscopy |
| 7 | Dealing and Prevention of Adverse Events During Sedation for GI Endoscopy |
| 8 | General Introduction for Endoscopic Quality Evaluation |

UNIT 3

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|----|-------------------------------------------------------|
| 9 | Basic Technique of Esophagogastroduodenoscopy |
| 10 | Biopsies in Gastrointestinal Endoscopy |
| 11 | Upper Gastrointestinal Endoscopy: Case-based Learning |
| 12 | Basic Therapeutic Endoscopy: Endoscopic Hemostasis |

UNIT 4

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|----|---------------------------------------------------------------------------|
| 13 | Preparation Before Colonoscopy: Pre-treatment |
| 14 | Basic Technique of Basic Colonoscopy Insertion and Diagnostic Colonoscopy |
| 15 | Complication Related to Colonoscopy |
| 16 | Lower Gastrointestinal Endoscopy: Case-based Learning |

UNIT 5

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|----|------------------------------------------|
| 17 | Gastric Polypectomy |
| 18 | Colon Polypectomy: Case-based Learning |
| 19 | Endoscopic Submucosal Dissection(ESD) |
| 20 | Percutaneous Endoscopic Gastrostomy(PEG) |

12 Infection Control Skills

 8hrs 25m


- 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


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SEUL HOSPITAL

UNIT 1	1	Basics and Concepts of Infection Control
	2	Infection Control System and Operation
	3	Data Analysis, Statistical Analysis, and Data Utilization in Infection Control
UNIT 2	4	Physician Aspects of Infection Control in Medical Institutions
	5	Nurses Aspects of Infection Control in Medical Institutions
	6	Management Aspect of Infection Control in Medical Institutions
UNIT 3	7	Hand Hygiene Needs and Practice, Hand Hygiene Monitoring:
	8	Aspects of Microbiology and Diagnostic Laboratory Medicine Necessary for Infection Control in Medical Institutions
	9	Multidrug Resistant Bacteria Infection Control:
	10	Prepare for High-risk Infectious Diseases
UNIT 4	11	Infection Control by Transmission Route (Standard, Contact, Droplet, Air-borne Infection)
	12	Prevention and Management of Patients Exposed to Infectious Diseases and Infection Control of Medical Personnel:
	13	Infection Control Related to Children and Newborns, Including Neonatal Intensive Care Unit
UNIT 5	14	Disinfection and Sterilization Management
	15	Infection Control by Department
	16	Cleaning, Waste Management, Laundry Management, Visitor Management
UNIT 6	17	Infection Control in Small and Medium Hospitals and Nursing Hospitals
	18	Management of Central Venous Catheter and Central Catheter Associated Infection
	19	Ventilator Associated Infection Control and Nosocomial Pneumonia Management
	20	Urinary Catheter Infection Management and Urinary Tract Infection Management

13 Medical ICT 🕒 12hrs 07m



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

SNUH SEoul National University
BUNDANG HOSPITAL

UNIT 1	1	Hospital Information System: Backbone of Healthcare Data, SNUBH Experience(1)
	2	Hospital Information System: Backbone of Healthcare Data, SNUBH Experience(2)
	3	Korean Perspective of Healthcare ICT
UNIT 2	4	EMR Functionality
	5	EMR: Standards of Electronic Health Records
	6	Adoption Strategy of EMR(Electronic Medical Record)(1)
	7	Adoption Strategy of EMR(Electronic Medical Record)(2)
	8	Distributed Research Network for Multi-center Big Data Research
UNIT 3	9	Concept & Trend of Big Data & AI in Healthcare(1)
	10	Concept & Trend of Big Data & AI in Healthcare(2)
	11	AI Showcase in Korea: Enterprise Imaging Strategy & Planning
	12	AI Showcase in Korea
UNIT 4	13	5G, IoT & Connected Healthcare(1)
	14	5G, IoT & Connected Healthcare(2)
	15	Experience of Mobile Healthcare Applications: Development, Implementation & Evaluation(1)
	16	Experience of Mobile Healthcare Applications: Development, Implementation & Evaluation(2)
UNIT 5	17	Concept of PMI: Future Medicine
	18	PMI: Precision Healthcare with Personal Genome Information
	19	Korea Usecase of PMI(1)
	20	Korea Usecase of PMI(2)

14

Hospital Management © 11hrs 21m



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



UNIT 1	1	Concept and Environment of Hospital Management
	2	Roles of Leaders and Managers
	3	Mission, Vision and Goals of Health Service Organization
	4	Human Resources Management of the Hospital
	5	Case Study
UNIT 2	6	Classification of Hospital
	7	Structures and Characteristics of Hospital Organization
	8	Organization Design
	9	Organizational Behavior Management
	10	Case Study
UNIT 3	11	Concepts and Classification of Hospital Finance/Accounting
	12	Understanding Financial Statements
	13	Hospital Financial Analysis
	14	Capital Raising and Capital Budgeting of Hospitals
	15	Hospital Asset Management
UNIT 4	16	Hospital Information System
	17	Common Data Model
	18	Medical Information & Intelligence Technology Utilization
	19	PHR and eHealth Exchange
	20	CDSS and AI
UNIT 5	21	Hospital Environment Analysis
	22	Hospital Performance Analysis
	23	Innovation and Total Quality Management of Hospitals
	24	Healthcare Service Management
	25	Hospital Branding

15

Prosthodontics ⌚ 4hrs 28m

- Digital Dentistry
- Fixed Prosthodontics
- Partial Prosthodontics



UNIT 1

- 1 Understanding Digital Workflow
- 2 Effective Utilization of Intraoral Scanners
- 3 Clinical Utilization of Facial Scans and Virtual Patients
- 4 Occlusal Considerations of Digital Prosthesis
- 5 Understanding the Manufacturing Process of Milling and 3D Printing

UNIT 2

- 6 Longevity & Reliability of Monolithic Zirconia
- 7 Cementation of Zirconia
- 8 Zirconia as Implant Restorative Material
- 9 Use of Multilayer Zirconia

UNIT 3

- 10 Understanding Removable Partial Dentures(RPD) Components
- 11 Diagnosis and Treatment Planning
- 12 Principles of RPD Design
- 13 Tooth-Tissue Supported RPD
- 14 Fitting the Framework & Jaw Relation Record

16 Oral & Maxillofacial Surgery

 3hrs 22m


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



UNIT 1

- 1 Basic Knowledge and Management of Temporomandibular disorders(TMDs)
- 2 Current Temporomandibular Joint(TMJ) Surgery for Advanced TMDs
- 3 Orthognathic Surgeries with Severe TMDs(TMJ OA)
- 4 Robot-Assisted Oral Cancer Surgery
- 5 Latest Trends & Techniques in Mandible Reconstruction
- 6 Maxilla Reconstruction Based on the Extent of the Defect

UNIT 2

- 7 Current Trends in Facial Bone Surgery
- 8 Tips and Tricks for Stable Mandibular Setback Surgery
- 9 Simple and Accurate Surgical Planning for Orthognathic Surgery of Facial Asymmetry Patients
- 10 Aesthetic Facial Bone Surgery : Orthognathic Surgery & Facial Bone Contouring Surgery

MKA e-class
MEDICAL KOREA ACADEMY ONLINE TRAINING PROGRAM

Host



Ministry of Health
and Welfare

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

Korea Health Industry Development Institute (KHIDI)

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