



대한갑상선두경부외과학회



<http://robotsurgeon.co.kr>

Organized by

The Korean Society of Head and Neck Surgery
Yonsei University College of Medicine

9th INTERNATIONAL ROBOTIC SURGERY SYMPOSIUM

**“New Era of Robotic Head and Neck Surgery
Using a Flexible Single Port System”**

Time • October 25 (Fri) - 27 (Sun), 2019

Place • Severance Hospital, Seoul, Korea

October 25 (Fri) • Robotic HN Surgery Dissection Course

October 26 (Sat)-27 (Sun) • Main Symposium & Live Surgery Using DaVinci SP System



9th International Robotic Surgery Symposium & Workshop in Head & Neck Cancer

Dear my respected colleagues,

We would like to express our full respect to those who leads minimally invasive, functional preservation surgery for better treatment of head and neck cancer patients.

The IRSS is to be held for the 9th time this year on upcoming October 25th-27th, 2019. We have been pioneering and leading Robot Surgery so far and trying to make the best program this year again by sharing new knowledge and experience. The 9th IRSS is planning to do various live demonstration which using flexible single port system. In this 9th symposium, making the theme "New Era of Robotic Head and Neck Surgery Using New Flexible Single Port System" our motto, interesting live surgeries are planned including TORS & Robotic Neck Surgery using DaVinci SP® System on both days in addition to the Robotic HN Surgery Dissection Course on 25th the 1st day, and the Main Symposium on 26th-27th. This symposium will cover all kinds of HN surgery using various robotic system including DaVinci SP® System and discuss about Future technologies in the upcoming 4th Industrial Revolution.

There will be the informative and up to date sessions in 2 days about the New concept of robotic surgery in Head and Neck/ENT, Trials on progress, and the new surgical robot with 15 Keynote and 15 distinguished speakers.

We believe that the treatment we perform now is the best choice of treatment for patients with head and neck cancer and ENT disease.

Se-Heon Kim, M.D., Ph.D.

President, The Korean Society of
Head and Neck Surgery
Professor, Chairman & Director
Department of Otorhinolaryngology
Yonsei University College of Medicine

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Head & Neck Cancer Center, Yonsei Cancer Hospital
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But we never know if this will be true few years later. As Surgical Technology is evolving rapidly every day, we will never be able to provide the best medical care to our patients unless we try to make the best use of it. I hope this symposium and workshop will be a valuable stepping stone for such efforts.

Please honor us with your presence and share your knowledge at the 9th IRSS.

Best regards,

KEYNOTE LECTURE

Keynote Speaker 1



Claudio Vicini
GB Morgagni-L Pierantoni
Hospital, Italy

Transoral Robotic Treatment of Lingual Tonsil: An Overview in a Modern Perspective

Keynote Speaker 2



Chris Holsinger
Stanford University, USA

Prospective Clinical Trials of Single-Port Robotics in H&N Surgery: A Review of the Global Experience

Keynote Speaker 3



Wojciech Golusiński
Poznan University, Poland

Current Status and the Development of Robotic Surgery in Head and Neck Cancer in Europe

Keynote Speaker 4



David Goldenberg
The Pennsylvania State
University, USA

Transoral Robotic Surgery Using the Medrobotic Flex® System: The Growing Global Experience

Keynote Speaker 5



Se-Heon Kim
Yonsei University, Korea

How Can the da Vinci SP Develop TORS into a New Level of Advanced Surgery?

Keynote Speaker 6



Ralph P Tufano
The Johns Hopkins University, USA

Transoral Thyroid and Parathyroid Surgery: The Value of Leaving No Trace

Keynote Speaker 7



J. Scott Magnuson
University of South Florida, USA

Mastery of Dissection

Keynote Speaker 8



Luiz Paulo Kowalski
A.C. Camargo Cancer Center, Brazil

Expectations and Quality of Life after Conventional and Robot-assisted Neck Dissections

Keynote Speaker 9



Giuseppe Spriano
Humanitas University,
Italy

Treatment of the Neck in TORS

Keynote Speaker 10



Neil D. Gross
The University of Texas MD
Anderson Cancer Center, USA

The Role of Neoadjuvant Therapy Prior to TORS

Keynote Speaker 11



Jonathan C Irish
University of Toronto, Canada

The Era of Nanotechnology: How the Nanotechnology Revolution Will Augment Robotic Surgery

Keynote Speaker 12



Yoon Woo Koh
Yonsei University, Korea

Precision Surgery is the Real Impact of Robotic HN Surgery: Beyond Cosmesis and Money

Keynote Speaker 13



Georges Lawson
CHU Dinant Godinne/UCL Namur,
Belgium

TORS in Difficult Access Conditions. Decision Making, Tips and Tricks for Successful Surgery

Keynote Speaker 14



Kyung Tae
Hanyang University, Korea

Evolution and Advances of Robotic and Endoscopic Thyroid Surgery

Keynote Speaker 15



Woong Youn Chung
Yonsei University, Korea

Robotic Thyroid Surgery: A High-Volume Experience in Severance Hospital

DISTINGUISHED LECTURE

Distinguished Speaker 1



Niels C. Kokot
University of Southern California,
USA

Transoral Anatomy in the Context of TORS

Distinguished Speaker 2



Kang-Dae Lee
Kosin University, Korea

Intraoperative Realtime Imaging of Parathyroid

Distinguished Speaker 3



Vinidh Paleri
Royal Marsden Hospital, UK

Transoral Robotic Surgery for Recurrent and Residual Cancers

Distinguished Speaker 4



Hidenori Inohara
Osaka University, Japan

Liquid Biopsy of HPV-related OPSCC

Distinguished Speaker 5



Jeremy D. Richmon
Harvard Medical School Teaching
Hospital, USA

Training Options in US for Surgeons Interested in Establishing a TORS Program

Distinguished Speaker 6



Dong-Soo Kwon
KAIST, Easy-Endo Surgical, Korea

Flexible Endoscopic Robot for HN Surgery

Distinguished Speaker 7



Sandeep Samant
Northwestern University, USA

Surgical Treatment of Oropharyngeal Cancer: Lessons Learned from a Decade of Experience

Distinguished Speaker 8



Taro Sugimoto
Tokyo Metropolitan Cancer, Japan

TBD (Satou's Retractor: TORS for Larynx and Hypopharynx Cancer)

Distinguished Speaker 9



Patrick Aidan
Hôpital Américain de Paris, France

European Experience of Robotic Thyroid Surgery: About 1000 Cases

Distinguished Speaker 10



Emad Kandil
Tulane University New Orleans,
USA

Current Status of Remote Access Thyroid Surgery in USA

Distinguished Speaker 11



Angkoon Anuwong
Police General Hospital, Siam
University, Thailand

Lesson Learned from 1700 Cases of 5 Years Experience of Transoral Endoscopic Thyroidectomy

Distinguished Speaker 12



Cherie-Ann Nathan
Feist-Weiller Cancer Center, USA

Is It Time to Deescalate Treatment for HPV Associated Oropharynx Cancers?: What Should You Say at TB

Distinguished Speaker 13



Phil-Sang Chung
Dankook University, Korea

Laser Physics & Transoral Laser Surgery

Distinguished Speaker 14



Micaela Piccoli
Ospedale Civile Sant'Agostino
Estense, Italy

Evolution Strategies in Transaxillary Robotic Thyroidectomy: Italian Experience

Distinguished Speaker 15



Uttam K. Sinha
Keck School of Medicine of
USC, USA

Rehabilitation of Head and Neck Cancer Patients after TORS

PROGRAM AT A GLANCE

October 25 (Fri)

Time	Severance Robot & MIS Center
08:00	Robotic HN Surgery Dissection Course
16:30	
17:00	
18:00	Welcome Reception

October 26 (Sat)

Time	Room #1 Eunmyung Auditorium	Room #2 Seminar 2+3	Room #3 Seminar 1	Room #4 Seminar 4
07:30	Opening Ceremony & Congratulatory Remarks	Nursing Session 1 The Work of Robotic and Endoscopic Nurses	Exhibition	TBD
08:00	Distinguished Speaker for Tranoral Inside-Out Anatomy (1)			
08:30	Keynote 1			
09:00	Grand Debate 1 Surgery for Obstructive Sleep Apnea: Robotic versus Non-Robotic			
09:30	Keynote 2	Master of Surgery (Video Session) 2 (How I do it)		
10:00	Grand Debate 2 Oropharyngeal Cancer: Upfront TORS vs CCRTx			
10:30	Refreshments and exhibition			
11:00	IRSS Live Surgery Session 1: TORS using da Vinci SP® System			
11:30				
12:00	Luncheon Symposium			
12:30				
13:00	Keynote 3	Master of Surgery (Video Session) 3 (Contemporary Remote Access Thyroidectomy-I)		
13:30	Keynote 4			
14:00	Symposium 1 da Vinci SP® vs Flex® Robotic System	Master of Surgery (Video Session) 4 (Contemporary Remote Access Thyroidectomy-II)		
14:30	Keynote 5	Distinguished Speaker for European Perspective of Robotic Thyroid Surgery (9)		
15:00	Keynote 6	Keynote 14		
15:30	Distinguished Speaker for Intraoperative Imaiging of Parathyroid (2)	Keynote 15		
	Refreshments and exhibition			
16:00	IRSS Live Surgery Session 2: TORT using da Vinci SP® System			
16:30				
17:00				
17:30	Keynote 7	Distinguished Speaker for US Perspective of Robotic Thyroid Surgery (10)		
18:00	Distinguished Speaker for Salvage Transoral Robotic Surgery (3)	Distinguished Speaker for Transoral Endoscopic Thyroidectomy (11)		
	Distinguished Speaker for Liquid Biopsy for Oropharyngeal Cancer (4)	Thyroid Tumor Transoral Endoscopic vs Transoral Robotic vs Non-Transoral Thyroidectomy		
18:30	Distinguished Speaker for US Training for Robotic HN Surgery (5)			
	Banquet			

October 27 (Sun)

Time	Room #1 Eunmyung Auditorium	Room #2 Seminar 2+3	Room #3 Seminar 1	Room #4 Seminar 4
7:00				
8:00	Board meeting			
8:30	Keynote 8	IRSS New Frontier Session 1 Future of “Precision Surgery: New Platform of Surgical Robot	Exhibition	TBD
9:00	Keynote 9			
9:30	Symposium 2 Remote Access Approach to Neck			
10:00	Distinguished Speaker for Developing the Soft Robotic System (6)	Distinguished Speaker for De-escalation Strategy for HPV Oropharyngeal Cancer (12)		
10:30	Refreshments and exhibition			
11:00	Keynote 10	Distinguished Speaker for Laser Physics & Transoral Laser Surgery (13)		
11:30	Distinguished Speaker for Surgical Treatment of Oropharyngeal Cancer (7)	IRSS New Frontier Session 2 Future of “Precision Surgery”: VR, 3D Printing and Surgical Navigation		
12:00	Symposium 3 TORS For Oropharyngeal Cancer and Unknown Primary	IRSS New Frontier Session 3 Future of “Precision Surgery”: VR, 3D Printing and Surgical Navigation		
12:30	Keynote 11			
13:00	Keynote 12	Refreshments and exhibition		
13:30	Refreshments and exhibition	Distinguished Speaker for Transaxillary Robotic Thyroidectomy (14)		
14:00	Keynote 13	Distinguished Speaker for Rehabilitation of Head and Neck Cancer Patients after TORS (15)		
14:30	Distinguished Speaker for Developing the Retractor System for Transoral Surgery (8)	Symposium 4 “Start-Up” of Robotic HN Surgery in the World		
15:00	Grand Debate 3 Larynx and Hypopharynx Cancer: Endoscopic vs Robot			
	Adjourn			

GENERAL INFORMATION

Date

- October 25 (Fri): Robotic HN Surgery Dissection Course
- October 26 (Sat)-27 (Sun): Main Symposium & Live Surgery Using DaVinci SP® System

Venue

- October 25 (Fri): Severance Robot & MIS Center, Yonsei University Severance Hospital, Seoul, Korea
- October 26 (Sat)-27 (Sun): Eunmyung Auditorium and Seminar Room, Severance Hospital, Seoul, Korea

Meeting Office

Congress Secretariat of the 9th IRSS (the 9th INTERNATIONAL ROBOTIC SURGERY SYMPOSIUM)
 · E-mail: IRSS-YONSEI@roboturgeon.co.kr · Tel: +82-2-6949-5333 · Fax: +82-70-8677-6333

Important Dates

- Abstract Submission for Presentation: August 31, 2019
- Registration: September 30, 2019
- Accommodation Registration: September 30, 2019
- Official Language: English

Welcome Reception

- Date: October 25 (Fri.)
- Time: 18:00~
- Place: HeukDon-Ga (21, Myeongdong 7-gil, Jung-gu, Seoul, Republic of Korea), (+82-2-3789-0080)

Gala Dinner

- Date: October 26(Sat.)
- Time: 18:40
- Place: DanPung-NaMu-Jip (130, Samcheong-ro, Jongno-gu, Seoul, Republic of Korea), (+82-2-730-7461)

*** It is located in the 'Samcheongdong culture street', one of the famous places in Korea. You could enjoy beautiful sightseeing after dinner individually.**

Registration

On-line registration is highly recommended at the congress website. If on-line registration is not available, please contact the secretariat at IRSS-YONSEI@roboturgeon.co.kr
<http://roboturgeon.co.kr/>

Registration Fee	Day 1 October 25 (Fri), 2019								Day 2 October 26 (Sat), 2019	Day 3 October 27 (Sun), 2019
	Robotic HN Surgery Hands-on Course / Observation for Robotic Surgery								Main Symposium	
	Hands-on	Section	Registration Fee	Number eligible	Observation for Robotic Surgery	Section	Registration Fee	Number eligible	Domestic	KRW 150,000
		Robotic surgery (Si or Xi)	USD 3,500	6 people		da Vinci Si, Xi, SP Robotic Surgery	Free	10 people	International	USD 300
		Observation	USD 300	20 people		Group registration fee			USD 150	
TORS		We offer the discount on the registration fee for the group of 5 or more. The group registration fee is USD 150 for each participants				TORS				
Robotic Retroauricular Thyroidectomy or Neck Dissection						1) Lateral Oropharyngectomy				
Modified Facelift Parotidectomy						2) BOT resection				
						3) Supraglottic laryngectomy				
						Robotic Neck Surgery via Retroauricular Approach				
						Robotic Neck Dissection				
						Robotic Thyroidectomy				
						Robotic Parotidectomy & SMG excision				

1. TO SEVERANCE HOSPITAL, YONSEI UNIVERSITY, SEOUL, KOREA

From the Incheon Int'l airport

AIRPORT LIMOUSINE BUS (STANDARD)

We strongly recommend taking the airport limousine bus from the airport to Yonsei University Bus No. 6011.

(http://www.airportlimousine.co.kr/eng/lbr/gangbuk/lbr02_1_6011.php)

Before you arrive, please verify the location of your destination on the Campus map available at (http://www.yonsei.ac.kr/en_sc/intro/openmap.jsp).

Severance Hospital, Yonsei University is number B125-144 on the map.

TAXI

If you take a regular taxi (Il-Bahn-Taxi) that is not black, it will cost approximately 70,000 KRW to go directly from the airport to Yonsei University.

If you take a deluxe taxi (Mo-Boem-Taxi), which is black in color, as well as more spacious and comfortable, it will cost about 90,000 KRW.

The taxi fare may vary depending on traffic.

Before you arrive, please verify the location of or your destination on the Sinchon Campus map available at (http://www.yonsei.ac.kr/en_sc/intro/openmap.jsp). Severance Hospital, Yonsei University is number B125-144 on the map.

2. TO THE PLAZA HOTEL

From the Incheon Int'l airport

KAL LIMOUSINE BUS (STANDARD)

We strongly recommend taking the KAL limousine bus from the airport to City hall

Route: City Hall / Travel Time: 70 min./Interval: 20 min. / Fare: 16,000KRW (One Way)

Operation Hours : 04:47~22:35 (Airport to Hotel)

Gate Number : 4B or 11A

Bus No. 6701.

(http://www.kallimousine.com/eng/guide01_en.html)

TAXI

If you take a regular taxi (Il-Bahn-Taxi) that is not black, it will cost approximately 70,000 KRW to go directly from the airport to The Plaza Hotel.

If you take a deluxe taxi (Mo-Boem-Taxi), which is black in color, as well as more spacious and comfortable, it will cost about 90,000 KRW.

Agenda

Organized by Korean Society of Head and Neck Surgery

October 25 : Day - 1 Friday : Robotic Head and Neck Surgery Dissection

October 26 : Day - 2 Saturday : Main Symposium I

Eunmyung Auditorium

07:30 - 08:00 Opening Ceremony & Congratulatory Remarks
Congratulatory Remark

Ki Chang Keum (Director, Yonsei Cancer Center)
Eun Chang Choi (President, ASHNO)
Byung Soh Min (Director, Severance Robot & MIS Center)

Welcome Remark
Brief Introduction of 9th IRSS

Se-Heon Kim (President, IRSS)
Yoon Woo Koh (Scientific Chair, IRSS)

08:00 - 08:20 Distinguished Speaker for Tranoral Inside-Out Anatomy (1)

Moderator: Hiroyuki Ozawa (Keio University, Japan)

Transoral Anatomy in the Context of TORS

Niels C. Kokot (University of Southern California, USA)

08:20 - 08:40 Keynote lecture 1

Moderator: Chae-Seo Rhee (Seoul National University, Korea)

Transoral Robotic Treatment of Lingual Tonsil: An Overview in a Modern Perspective

Claudio Vicini (GB Morgagni-L Pierantoni Hospital, Italy)

08:40 - 09:30 Grand Debate 1 : Surgery for Obstructive Sleep Apnea: Robotic versus Non-Robotic

Chairman: Kyung-su Kim (Yonsei University, Korea)

Moderator: Hsin-Ching Lin (Kaohsiung Chang Gung Memorial Hospital, Taiwan), Claudio Vicini (GB Morgagni-L Pierantoni Hospital, Italy)

Panelist: J. Scott Magnuson (University of South Florida, USA) / Jeremy D. Richmon (Harvard Medical School Teaching Hospital, USA) / Tay Hin Ngan (Mount Elizabeth Medical Centre, Singapore) / Hyung Joo Cho (Yonsei University, Korea) / Cheng-Yu Lin (National Cheng Kung University, Taiwan) / Jeong-Whun Kim (Seoul National University, Korea) / Hyun Jik Kim (Seoul National University, Korea)

09:30 - 09:50 Keynote lecture 2

Moderator: Eun Chang Choi (Yonsei University, Korea)

Prospective Clinical Trials of Single-Port Robotics in H&N Surgery: A Review of the Global Experience

Chris Holsinger (Stanford University, USA)

09:50 - 10:40 Grand Debate 2 : Oropharyngeal Cancer: Upfront TORS vs CCRTx

Chairman: Uttam K. Sinha (Keck School of Medicine of USC, USA)

Moderator: Neil D. Gross (The University of Texas MD Anderson Cancer Center, USA), Min Sik Kim (The Catholic University of Korea, Korea)

Panelist: J. Scott Magnuson (University of South Florida, USA) / Giuseppe Spriano (Humanitas University, Italy) / Chul Ho Kim (Ajou University, Korea) / Constance Teo EeHoon (Singapore General Hospital, Singapore) / Surender Dabas (Fortis Hospital, India) / Jason Chan (The Chinese University of Hong Kong, Hong Kong) / Seungwon Kim (University of Pittsburgh, USA) / Seung-Kuk Baek (Korea University, Korea) / Young Hoon Joo (The Catholic University of Korea, Korea) / Steven Wang (University of Arizona Cancer Center, USA) / Soon Hyun Ahn (Seoul National University, Korea) / Julia Crawford (St Vincent's Hospital Sydney, Australia) / Sandeep Samant (Northwestern University Feinberg School of Medicine, USA)

10:40 - 11:00 Refreshments and exhibition

11:00 - 12:00 IRSS Live Surgery Session 1: TORS using da Vinci SP® System

Operator: Se-Heon Kim (Yonsei University, Korea)

Moderator: J. Scott Magnuson (University of South Florida, USA), Raymond Tsang (University of Hong Kong, Hong Kong)

Panelist: Ichiro Tateya (Kyoto University, Japan) / Man Ki CHUNG (Sungkyunkwan University, Korea) / Eddy Wong (The Chinese University of Hong Kong, Hong Kong) / Young Ho Jung (Seoul National University, Korea) / Georges Lawson (CHU Dinant Godinne/ UCL Namur, Belgium) / Chen Chi Wang (Taichung Veterans General Hospital, Taiwan) / David Goldenberg (The Pennsylvania State University, USA) / Subramania Iyer (Amrita Institute of Medical Sciences, India) / Suren Krishnan (Royal Adelaide Hospital, Australia) / Soon-Young Kwon (Korea University, Korea) / Kwang-Jae Cho (The Catholic University of Korea, Korea) / Si Yeon Song (Yeungnam University, Korea) / Jin-Choon Lee (Pusan National University, Korea) / Hyoung Shin Lee (Kosin University, Korea)

12:00 - 13:00 IRSS Luncheon Symposium

Moderator: Byung-Joo Lee (Pusan National University, Korea)

Intuitive Surgical
Korea United Pharm Inc.
Ilung Pharmaceuticals

9th International Robotic Surgery Symposium “New Era of Robotic Head and Neck Surgery Using a Flexible Single Port System”

13:00 - 13:20 Keynote lecture 3

Moderator: Pei Jen Alex Lou (National Taiwan University, Taiwan)

Current Status and the Development of Robotic Surgery in Head and Neck Cancer in Europe Wojciech Golusiński (Poznan University, Poland)

13:20 - 13:40 Keynote lecture 4

Moderator: Pasquale Capaccio (University of Milan, Italy)

Transoral Robotic Surgery Using the Medrobotic Flex® System: The Growing Global Experience

David Goldenberg (The Pennsylvania State University, USA)

13:40 - 14:30 IRSS Symposium 1 : da Vinci SP® vs Flex® Robotic System

Chairman: Christopher Goh (Duke-NUS Graduate Medical School, Singapore)

Moderator: David Goldenberg (The Pennsylvania State University, USA), Desmond Wee (Hollywood Hospital Australia, Australia)

Royal Adelaide Experience with Medrobotics Flex® Robotic System

Suren Krishnan (Royal Adelaide Hospital, Australia)

Belgium Experience with Medrobotics Flex® Robotic System

Georges Lawson (CHU Dinant Godinne/UCL Namur, Belgium)

Flexible TORS for Hypopharyngeal and Laryngeal Tumors - First Oncological Results

Stefan Mattheis (University Hospital Essen, Essen, USA)

Advancing on from the Early Clinical Experiences of the Davinci Sp System in Head and Neck Surgery

Jason Chan (The Chinese University of Hong Kong, Hong Kong)

World 1st One-Year Experiences of da Vinci SP® HN Surgery: Severance Experience

Young Min Park (Yonsei University, Korea)

14:30 - 14:50 Keynote lecture 5

Moderator: Yuichi Kuroso (Kagoshima University, Japan)

How Can the da Vinci SP Develop TORS into a New Level of Advanced Surgery?

Se-Heon Kim (Yonsei University, Korea)

14:50 - 15:10 Keynote lecture 6

Moderator: Kwang-Yoon Jung (Korea University, Korea)

Transoral Thyroid and Parathyroid Surgery: The Value of Leaving No Trace

Ralph P Tufano (The Johns Hopkins University, USA)

15:10-15:30 Distinguished Speaker for Intraoperative Imaiging of Parathyroid (2)

Moderator: Jonathan C Irish (University of Toronto, Canada)

Intraoperative Realtime Imaging of Parathyroid

Kang-Dae Lee (Kosin University, Korea)

15:30-15:50 Refreshments and Exhibition

15:50-17:20 IRSS Live Surgery Session 2: TORT using da Vinci SP® System

Operator: Yoon Woo Koh (Yonsei University, Korea)

Moderator: Dae Kim (St George's University Hospital, United Kingdom), Kyung Tae (Hanyang University, Korea)

Panelist: Napadon Tangtaturonrasme (Chulalongkorn University, Thailand) / Jun-Ook Park (The Catholic University of Korea, Korea) / Angkoon Anuwong (Siam University, Thailand) / Hok Nam Li (The Chinese University of Hong Kong, Hong Kong) / Jeremy D. Richmon (Harvard Medical School Teaching Hospital, USA) / Renan Lira (A.C. Camargo Cancer Center, Brazil) / Yi Fan Chou (Taichung TzuChi Hospital, Hong Kong) / Krishnakumar Thankappan (Amrita Institute of Medical Sciences, India) / Jung Je Park (Gyeongsang University, Korea) / Myung-Chul Lee (Korea Cancer Center Hospital, Korea) / Sung Won Kim (Kosin University, Korea)

17:20-17:40 Keynote lecture 7

Moderator: James K. Fortson (Atlanta Medical Center USA, USA)

Mastery of Dissection

J. Scott Magnuson (University of South Florida, USA)

17:40-18:00 Distinguished Speaker for Salvage Transoral Robotic Surgery (3)

Moderator: Erika Crosetti (Candiolo Cancer Institute, FPO IRCCS, Candiolo, Italy)

Transoral Robotic Surgery for Recurrent and Residual Cancers

Vinidh Paleri (Royal Marsden Hospital, UK)

18:00-18:20 Distinguished Speaker for Liquid Biopsy for Oropharyngeal Cancer (4)

Moderator: Young Hak Park (The Catholic University, Korea)

Liquid Biopsy of HPV-related OPSCC

Hidehori Inohara (Osaka University, Japan)

18:20-18:40 Distinguished Speaker for US training for Robotic HN Surgery (5)

Moderator: Soon-Young Kwon (Korea University, Korea)

Training Options in US for Surgeons Interested in Establishing a TORS Program

Jeremy D. Richmon (Harvard Medical School Teaching Hospital, USA)

18:40 - 21:00 Banquet

Seminar Room

08:00-08:50 IRSS Nursing Session 1 : The Work of Robotic and Endoscopic Nurses	
Chairman: Dong Young Kim (Gachon University, Korea)	
Moderator: Mudit Agarwal (Max superspeciality Hospital, India), Dong Kun Lee (Dong-A University, Korea)	
Role of Nurses in Robotic and Endoscopic Surgery	Leman Sandy (CHU Dinant Godinne/UCL Namur, Belgium)
Docking and Set-up for TORS	TBD
Docking and Set-up for Robotic Thyroidectomy: Trasaxillary Approach	TBD
Docking and Set-up for Robotic Thyroidectomy: Retroauricular Approach	TBD
Docking and Set-up for Robotic Thyroidectomy: Transoral Approach	TBD
08:50-09:30 Master of Surgery 1 (Video Demonstration) (How I Do It for Reconstruction of TORS Defect)	
Chairman: Pomake Apipan (Rajavithi Hospital, Thailand)	
Moderator: Magis Mandapathil (Asklepios St. Georg Hospital, Germany), Daniel M Alonzo (The Medical City, Philippines)	
The FAMM-flap for Post-TORS defects	Balazs B. Lorincz (Agaplesion Markus and Bethanien Hospitals, Germany)
TBD	Soon Hyun Ahn (Seoul National University, Korea)
Conventional Reconstruction after TORS & Robotic Assisted Neck Dissection	Jong Won Hong (Yonsei University, Korea)
Insetting for TORS Defect; How I Do It	Yoo Seob Shin (Ajou University, Korea)
09:30-10:40 Master of Surgery 2 (Video Demonstration) (How I Do It)	
Chairman: Phakdee Sannikorn (Rajavithi Hospital, Thailand)	
Moderator: Biswajyoti Hazarika (Artemis Hospital, India), Hyun Jun Hong (Catholic Kwandong University, Korea)	
Parotid Surgery: How I do It by Retroauricular Incision	Dewan Hassan (Sarkari Karmachari Hospital, Bangladesh)
TBD	Andrey Yaremenko (Pavlov First Saint Petersburg State Medical University, Russia)
The Impact of Single-port System on Trans-hairline Approach of Robotic Surgery	Tsung Lin Yang (National Taiwan University, Taiwan)
Transoral Exposure of Head and Neck Malignancies: Learning Curve on TORS	Sergio Obeso Agüera (Marques de Valdecilla University Hospital, Spain)
Transoral Robotic Surgery Assisted Excision of Parapharyngeal Space Tumors	Chen Chi Wang (Taichung Veterans General Hospital, Taiwan)
Trans Oral Robotic Skull Base Surgery	Stéphane Hans (Université Paris 5, France)
Transoral Robotic Submandibular Sialadenectomy (TORSS)	Pasquale Capaccio (University of Milan, Italy)
10:40 - 11:00 Refreshments and Exhibition	
11:00 - 12:00 IRSS Live Surgery Session I: TORS Using DaVinci SP System	
Operator: Se-Heon Kim (Yonsei University, Korea)	
12:00 - 13:00 IRSS Luncheon Symposium	
Moderator: Byung-Joo Lee (Pusan National University, Korea)	
	Intuitive Surgical
	Korea United Pharm Inc.
	Ilung Pharmaceuticals
13:00 - 13:40 Master of Surgery 3 (Video Demonstration) (Contemporary Remote Access Thyroidectomy-I)	
Chairman: Jin-Ho Sohn (Kyungpook National University, Korea)	
Moderator: Somasundaram Subramanian (N.N.Blokhin Russian Cancer Research Center, Russia), Sukrit Bose (Apollo Gleneagles Hospitals Kolkata, India)	
Robotic Assisted Breast-Axillo Insufflated Thyroidectomy with Neck Dissection	Sandeep Peraje Nayak (MACS Clinic, India)
Initiating a Robotic Thyroidectomy Program in India	Krishnakumar Thankappan (Amrita Institute of Medical Sciences, India)
Retroauricular Robotic Total Thyroidectomy with or without Nodal Dissection	Rajeev Sharan (Tata Medical Center, India)
Radiofrequency Ablation of Thyroid Nodules: Scarless Treatment Option	Wooin Cho (WITHSIM Clinic, Korea)

13:40 - 14:30 Master of Surgery 4 (Video Demonstration) (Contemporary Remote Access Thyroidectomy-II)	
Chairman: Bin Zhang (Cancer Institute and Hospital, China)	
Moderator: Ahmad Kusyairi (Universiti Teknologi MARA, Malaysia), Young-Gyu Eun (Kyung Hee University, Korea)	
Gas-insufflation Transoral Endoscopic Thyroidectomy	Hok Nam Li (The Chinese University of Hong Kong, Hong Kong)
Gasless Transoral Endoscopic Thyroidectomy	Jun-Ook Park (The Catholic University of Korea, Korea)
Gasless TORT Using da Vinci SP	Yoon Woo Koh (Yonsei University, Korea)
Transoral Endoscopic TGDC Excision	Seung Hoon Woo (Dankook University, Korea)
Robotic & Endoscopic Transoral Thyroidectomy	Yu Hsien Chen (Chang Gung Memorial Hospital, Keelung, Taiwan)
14:30-14:50 Distinguished Speaker for European Perspective of Robotic Thyroid Surgery (9)	
Moderator: Marco De Vincentiis (La Sapienza University, Italy)	
European Experience of Robotic Thyroid Surgery: About 1000 Cases	Patrick Aidan (Hôpital Américain de Paris, France)
14:50 - 15:10 Keynote Lecture 14	
Moderator: Subramania Iyer (Amrita Institute of Medical Sciences, India)	
Evolution and Advances of Robotic and Endoscopic Thyroid Surgery	Kyung Tae (Hanyang University, Korea)
15:10 - 15:30 Keynote Lecture 15	
Moderator: Patrick Aidan (Hôpital Américain de Paris, France)	
Robotic Thyroid Surgery: A High-Volume Experience in Severance Hospital	Woong Youn Chung (Yonsei University, Korea)
15:30 - 15:50 Refreshments and Exhibition	
15:50 - 17:20 IRSS Live Surgery Session II: TORT Using DaVinci SP System	
Operator: Yoon Woo Koh (Yonsei University, Korea)	
17:20-17:40 Distinguished Speaker for US Perspective of Robotic Thyroid Surgery (10)	
Moderator: Woong Youn Chung (Yonsei University, Korea)	
Current Status of Remote Access Thyroid Surgery in USA	Emad Kandil (Tulane University New Orleans, USA)
17:40-18:00 Distinguished Speaker for Transoral Endoscopic Thyroidectomy (11)	
Moderator: Soon Yuhl Nam (University of Ulsan, Korea)	
Lesson Learned from 1700 Cases of 5 Years Experience of Transoral Endoscopic Thyroidectomy	Angkoon Anuwong (Siam University, Thailand)
18:00-18:40 Thyroid Tumor: Transoral Endoscopic vs Transoral Robotic vs Non-Transoral Thyroidectomy	
Moderator: Ralph P Tufano (The Johns Hopkins University, USA), Angkoon Anuwong (Siam University, Thailand)	
Panelist: Yi Fan Chou (Taichung TzuChi Hospital, Hong Kong) / Kyung Tae (Hanyang University, Korea) / Jun-Ook Park (The Catholic University of Korea, Korea) / Hok Nam Li (The Chinese University of Hong Kong, Hong Kong) / Jeremy D. Richmon (Harvard Medical School Teaching Hospital, USA) / Rajeev Sharan (Tata Medical Center, India) / Mudit Agarwal (Max Cancer Center, Max superspeciality Hospital, India) / Krishnakumar Thankappan (Amrita Institute of Medical Sciences, India) / Guk Hang Lee (Korea Cancer Center Hospital, Korea) / Bon Seok Koo (Chungnam National University, Korea) / Yong Tae Hong (Chonbuk National University, Korea) / Hyun Jun Hong (Catholic Kwandong University, Korea) / Seung-Won Lee (Soonchunhyang University, Korea) / Yu Hsien Chen (Chang Gung Memorial Hospital, Keelung, Taiwan) / Jagdishwar Goud Gajagowni (Yashoda Cancer Institute, Secunderabad, India)	
18:40 - 21:00 Banquet	

Eunmyung Auditorium

07:00 - 08:00 IRSS Board Meeting (The PLAZA Hotel)

08:30 - 08:50 Keynote lecture 8

Moderator: Kaoru Ogawa (Keio University, Japan)

Expectations and Quality of Life after Conventional and Robot-assisted Neck Dissections Luiz Paulo Kowalski (A.C. Camargo Cancer Center, Brazil)

08:50-09:10 Keynote lecture 9

Moderator: Se-Heon Kim (Yonsei University, Korea)

Treatment of the Neck in TORS Giuseppe Spriano (Humanitas University, Italy)

09:10 - 10:00 IRSS Symposium 2 : Remote Access Approach to Neck

Chairman: Nakahira Misuhiko (Saitama Medical University, Japan)**Moderator: Thomas Tai- Hang Fung (The Chinese University, Hong Kong), Saurabh Gupta (Max Super Speciality Hospital, India)**

Robotic Neck Dissection: Oncologic Results Renan Lira (A.C. Camargo Cancer Center, Brazil)

Neck Dissection in Pediatric Patients Da Hee Kim (Yonsei University, Korea)

Robotic SOND in Oral Cavity Cancer: Oncologic Results Jae Hong Park (Soonchunhyang University, Korea)

Endoscopic Neck Dissection with Flap Reconstruction Nut Niyomudomwatana (Rajavithi Hospital, Thailand)

TBD (Small (short) Single Hairline Approach for Excision Bening Neck Tumors) Tatiana Kolegova (Pavlov First Saint Petersburg State Medical University, Russia)

10:00 - 10:20 Distinguished Speaker for Developing the Soft Robotic System (6)

Moderator: Sheng Po Hao (Shin Kong Wu Ho-Su Memorial Hospital, Taiwan)

Flexible Endoscopic Robot for HN Surgery Dong-Soo Kwon (KAIST, Easy-Endo Surgical, Korea)

10:20-10:40 Refreshments and Exhibition

10:40-11:00 Keynote lecture 10

Moderator: Sandeep Samant (Northwestern University Feinberg School of Medicine, USA)

The Role of Neoadjuvant Therapy Prior to TORS Neil D. Gross (The University of Texas MD Anderson Cancer Center, USA)

11:00 - 11:20 Distinguished Speaker for Surgical Treatment of Oropharyngeal Cancer (7)

Moderator: Ki Hwan Kwon (Hanlym University, Korea)

Surgical Treatment of Oropharyngeal Cancer: Lessons Learned from a Decade of Experience Sandeep Samant (Northwestern University Feinberg School of Medicine, USA)

10:20-10:40 Refreshments and Exhibition

11:20 - 12:30 IRSS Symposium 3 : TORS for Oropharyngeal Cancer and Unknown Primary

Chairman: Hideyuki kawauchi (Shimane University, Japan)**Moderator: Eddy Wong (The Chinese University of Hong Kong, Hong Kong), Sei Young Lee (Chung Ang University, Korea)**

TORS in the Oropharynx: Evolution and Revolution Armando De Virgilio (Humanitas University, Italy)

HPV Detection in Oropharyngeal Squamous Cell Carcinomas: Clinical Significance and Implications for the Indications of TORS Francesco Bussu (Azienda Ospedaliera Universitaria di Sassari, Italy)

TORS for Recurrent Oropharyngeal Cancer Seungwon Kim (University of Pittsburgh, USA)

Transoral Robotic Surgery for Carcinoma of Unknown Primary Stephen Kang (The Ohio State University, USA)

TORS for HPV Negative OPC Surender Dabas (Fortis Hospital, India)

Techniques for Haemostasis and Vascular Anatomy in TORS for Oropharyngeal SCC Richard Gallagher (The University of Notre Dame, Australia)

Recent Consideration of Adjuvant Therapy after TORS in OPSCC Patient Min Hee Hong (Yonsei University, Korea)

12:30 - 12:50 Keynote lecture 11

Moderator: Kazunori Fujiwara (Tottori University, Japan)

The Era of Nanotechnology: How the Nanotechnology Revolution Will Augment Robotic Surgery Jonathan C Irish (University of Toronto, Canada)

12:50 - 13:10 Keynote Lecture 12

Moderator: Young Soo Roh (Dain ENT Hospital, Korea)

Precision Surgery is the Real Impact of Robotic HN Sugery: Beyond Cosmesis and Money Yoon Woo Koh (Yonsei University, Korea)

13:10-13:40 Refreshments and Exhibition

13:40 - 14:00 Keynote Lecture 13

Moderator: Jeong Hun Hah (ThanQ Seoul Thyroid-Head & Neck Surgery Center, Korea)

TORS in Difficult Access Conditions. Decision Making, Tips and Tricks for Successful Surgery Georges Lawson (CHU Dinant Godinne/UCL Namur, Belgium)

14:00-14:20 Distinguished Speaker for Developing the Retractor System for Transoral Surgery (8)

Moderator: Il-Seok Park (Hanlym University, Korea)

TBD (Satou's Retractor: TORS for Larynx and Hypopharynx Cancer) Taro Sugimoto (Tokyo Metropolitan Cancer, Japan)

14:20-15:10 Grand Debate 3: Larynx and Hypopharynx Cancer: Endoscopic vs Robot

Moderator: Akihiro Shiotani (National Defense Medical College, Japan), Giuseppe Spriano (Humanitas University, Italy)

Panelist: Akira Shimizu (Tokyo Medical University, Japan) / Taro Sugimoto (Tokyo Metropolitan Cancer, Japan) / Sebastien VAN DER VORST (CHU Dinant Godinne, Belgium) / Yo Kishimoto (Kyoto University, Japan) / Stefan Mattheis (University Hospital Essen, Essen, USA) / Anatoli Pataridou ((Hygeia and Mitera Hospital, Greece)) / Tsung Lin Yang (National Taiwan University, Taiwan) / Han Su Kim (Ewha University, Korea) / Chen Chi Wang (Taichung Veterans General Hospital, Taiwan) / Koji Araki (National Defense Medical College, Japan)

15:10 - 15:30 Adjourn

Seminar Room

07:00 - 08:00 IRSS Board Meeting (The PLAZA Hotel)

08:30 - 10:00 IRSS New Frontier Session 1: "Precision Surgery": New Platform of Surgical Robot

Chairman: Xiaoming Li (Bethune International Peace Hospital, China)

Moderator: Kai-Ping Chang (Chang Gung University, Taiwan), Somasundaram Subramanian (N.N.Blokhin Russian Cancer Research Center, Russia)

Development of the Next Generation Robot for TORS	Chwee Ming Lim (Singapore General Hospital, Singapore)
An Alternative Robotic Surgery Platform, Revo-i	Jae Lee (Meerecompany, Korea)
Flexible Endoscopic Robot for HN Surgery	Joon Hwan Kim (KAIST, Easy-Endo Surgical, Korea)
TBD	Sam Yoo (Digital Surgery, Ethicon, Korea)
Future of Robotic Surgery	Byung Soh Min (Severance Robot & MIS Center, Korea)
How to Develop Korea Surgical Robot	Chang Moo Kang (Yonsei University, Korea)

10:00 - 10:20 Distinguished Speaker for De-escalation Strategy for HPV Oropharyngeal Cancer (12)

Moderator: Juichi Ito (Shiga Medical Center, Japan)

Is It Time to Deescalate Treatment for HPV Associated Oropharynx Cancers?: What Should You Say at TB

Cherie-Ann Nathan (Feist-Weiller Cancer Center, USA)

10:20-10:40 Refreshments and Exhibition

10:40 - 11:00 Distinguished Speaker for Laser Physics & Transoral Laser Surgery (13)

Moderator: Jean-René Milliet (European Medical Center, Russia)

Laser Physics & Transoral Laser Surgery

Phil-Sang Chung (Dankook University, Korea)

11:00 - 12:00 IRSS New Frontier Session 2 : Future of "Precision Surgery" : VR, 3D Printing and Surgical Navigation

Chairman: Uttam K. Sinha (Keck School of Medicine of USC, USA)

Moderator: Mohd Razif Mohamad Yunus (Pusat Perubatan UKM, Malaysia), Thomas Varughese (Renai Medicity, Cochin, India)

3D Virtual Planning and More for Head and Neck Reconstruction to Promote Patient's QOL	Hyung Jun Kim (Yonsei University, Korea)
Application of Virtual Reality Tracking and 3D Modeling to Improve Safety and Efficiency of TORS	Steven Wang (University of Arizona Cancer Center, USA)
Integrating Navigation with TORS for the Skull Base and Parapharyngeal Space	Raymond Tsang (University of Hong Kong, Hong Kong)
Standard Medical 3D: Modeling, Simulation and Printins	Young Lae Moon (Chosun University, Korea)

12:00 - 13:00 IRSS New Frontier Session 3 : Future of "Precision Surgery" : VR, 3D Printing and Surgical Navigation

Chairman: Il-Seok Park (HanIllym University, Korea)

Moderator: Han Su Kim (Ewha University, Korea)

Medical AI Application to the 3D Printing and AR/VR	Sang Joon Park (Seoul National University, Korea)
The Introduce of Emerging Optical Imaging Modalities to Improve Precision Surgery	Seung Hee Han (University of Toronto, Canada)
Application of VR in Medicine	Yong Gi Jung (Sungkyunkwan University, Korea)
MRI-based Guidance for Robot-assisted Interventions	Ka-Wai Kwok (The University of Hong Kong, Hong Kong)

13:00-13:30 Refreshments and exhibition

13:30 - 13:50 Distinguished Speaker for Transaxillary Robotic Thyroidectomy (14)

Moderator: Ichiro Tateya (Kyoto University, Japan)

Evolution Strategies in Transaxillary Robotic Thyroidectomy: Italian Experience

Micaela Piccoli (Ospedale Civile Sant'Agostino Estense, Italy)

13:50 - 14:10 Distinguished Speaker for Rehabilitation of Head and Neck Cancer Patients after TORS (15)

Moderator: Stéphane Hans (Université Paris 5, France)

Rehabilitation of Head and Neck Cancer Patients after TORS

Uttam K. Sinha (Keck School of Medicine of USC, USA)

14:10 - 15:00 IRSS Symposium 4 : "Start-Up" of Robotic HN Surgery in the World

Chairman: Pei Jen Alex Lou (National Taiwan University, Taiwan)

Moderator: Chih-Yen Chien (Chang Gung Memorial Hospital-Kaohsiung Medical Center, Taiwan), Cheerasook Chongkolwatana (Siriraj Hospital, Thailand)

TORS Experiences in Malaysia	Yeo Sek Wee (Prince Court Medical Centre & Gleneagles Kuala Lumpur, Malaysia)
Minimally Invasive Head and Neck Surgery: Experience in Peru - South America "Exploring New Frontiers"	Edgar Jesús Salas Moscoso (Instituto Nacional de Enfermedades Neoplásicas, Peru)
Basic Training for Residents in Robotic Surgery in the Head and Neck. A Nation-wide Program	Jose Granell (Rey Juan Carlos University, Spain)
Training of TORS in Japan	Ichiro Tateya (Kyoto University, Japan)
The Role of Robotic Surgery in Diagnosis and Treatment of Unknown Primary Cancers: The Candiolo Cancer Institute Experience in the Year 2019	Erika Crosetti (Candiolo Cancer Institute, FPO IRCCS, Candiolo, Italy)
Adjourn	

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COURSE SUPERVISOR

Eun Chang Choi, Yonsei University, Korea

PROGRAM CHAIR, IRSS

Yoon Woo Koh, Yonsei University, Korea

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Ralph P Tufano	The Johns Hopkins University	USA
Luiz Paulo Kowalski	A.C. Camargo Cancer Center	Brazil
Se-Heon Kim	Yonsei University	Korea
Yoon Woo Koh	Yonsei University	Korea
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Yo Kishimoto	Kyoto University	Japan

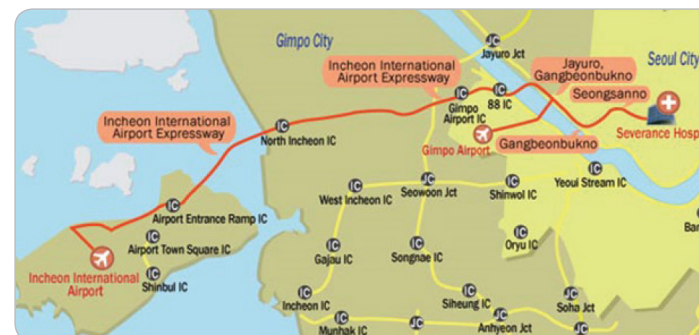
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Hsin-Ching Lin	Kaohsiung Chang Gung Memorial Hospital	Taiwan
Sheng Po Hao	Shin Kong Wu Ho-Su Memorial Hospital	Taiwan
Tsung Lin Yang	National Taiwan University	Taiwan
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Pornake Apipan	Rajavithi Hospital	Thailand
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Hongliang Ren	National University of Singapore	China
Nut Niyomudomwatana	Rajavithi Hospital	Thailand
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Hyung Shin Lee	Kosin University	Korea
Byung Soh Min	Director, Severance Robot & MIS Center	Korea
Chang Moo Kang	Yonsei University	Korea
Yong Gi Jung	SungKyunKwan University	Korea
Min Hee Hong	Yonsei University	Korea

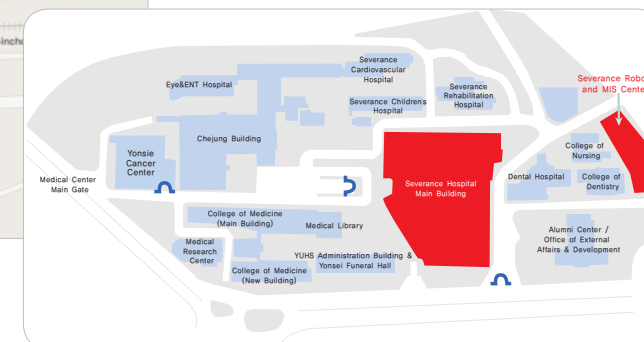
Local Information

Map to Severance Hospital



Transportation

By Subway	<ul style="list-style-type: none"> • Sinchon Station (Line 2, Exit 3, 15 minute walk) • Dongnimmun Subway Station (Line 3, Exit 4) • Maeul (Village) Bus 8, 8-1 (5 minutes) • Transfer at Chungjeongno Station (Line 5) to Line 2 • Transfer at Hapjeong Station (Line 6) to Line 2
By Train	<ul style="list-style-type: none"> • Munsan, Sinchon Train Station, Seoul Station (from Sinchon Train Station, it will be about an 8 minute walk)
By Bus	<ul style="list-style-type: none"> • Bus Stop- Front of Severance Hospital <ul style="list-style-type: none"> • Blue Bus (Main Line) : 163, 171, 270, 272, 370, 470, 472, 601, 606, 700, 750, 751 • Green Bus (Branch Line) : 6714, 7014, 7017, 7020, 7712 (Chungjeongno Direction), 7015, 8-1 (Seodaemun), 8 (Seodaemun) • Red Bus (Wide Area Line) : 9600, 9601, 9602, 9606, 9708, 9713 • Bus Stop- Front of Yonsei University <ul style="list-style-type: none"> • Blue Bus (Main Line) : 163, 170, 171, 172, 270, 272, 370, 470, 601, 606, 700, 750, 751 • Green Bus (Branch Line) : 1-1 (Seodaemun), 6711, 6712, 6714, 6714, 7014, 7015, 7017, 7020, 7613, 7712 (Chungjeongno Direction), 7720, 7725, 7726, 7727, 7728 • Red Bus (Wide Area Line) : 9600, 9601, 9602, 9702, 9704, 9706, 9708, 9713





대한갑상선두경부외과학회



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