

대한흉부심장혈관외과학회
제48차 추계학술대회 및 연수교육

일자: 2016년 10월 20일(목)~22(토)

장소: 대구 호텔인터블고 엑스코

대한흉부심장혈관외과학회

인 사 말

존경하는 대한흉부심장혈관외과 학회 회원여러분!

안녕하십니까? 언제나 진료 현장에서 어려운 조건에서도 묵묵히 학문과 연구 및 진료에 최선을 다하는 회원 여러분께 경의를 표하는 바입니다.



우리 학회는 우수 전공의 확보와 전문역량 개발을 위한 교육 그리고 전문의가 된후 취업 등을 중심으로 하는 내외적으로 여러 가지 어려운 해결책들이 산적해 있습니다. 그러나 이 모든 문제들을 학회는 안으로는 전공의 전문역량개발을 연구하는 task force team위원회를 구성하여 활발히 활동 중이며 밖으로는 능동적 그리고 적극적으로 현안 해결을 위해 여러 회원 여러분들의 지혜를 모아 정부, 언론, 관련 단체 및 학회들을 대상으로 슬기롭게 대처해 나가고 있습니다.

이번 제48차 대한흉부심장혈관학회 추계학술대회는 대구에서 개최됩니다.

금년은 유난히 뜨거운 날들이 많았습니다. 더위가 물러간 대구에서 여러 회원 여러분의 학문과 기술의 경험들을 발표, 토론하는 멋진 가을의 향연이 되길 기대해 봅니다. 또한 그 동안의 연구와 업무에 지친 심신을 재충전하는 훌륭한 학회가 되시길 바라겠습니다.

10월 20일 대구에서 뵙겠습니다.

감사합니다.

박창권

대한흉부심장혈관외과학회 회장 **박창권**

대한흉부심장혈관외과학회 임원명단

2015년 10월 ~ 2016년 10월

회 장 박창권

부 회 장 김승진, 안재호, 오중환, 임창영, 황윤호

이 사 장 심성보

상 임 이 사 강경훈, 김동관, 김성철, 나찬영, 백완기, 백효채, 오탈운, 유재현, 이정상, 전상훈

이 사

강경훈, 강정한, 강창현, 강청희, 김경화, 김관민, 김관창, 김근직, 김대현, 김동관, 김성철, 김수철, 김영대, 김영태, 김용환, 김재현, 김정철, 김종우, 김종인, 김진국, 김한용, 김현조, 김 혁, 나국주, 나찬영, 류한영, 문동석, 문병주, 문석환, 문현중, 박계현, 박남희, 박종빈, 박철현, 박한기, 백만중, 백완기, 백효채, 백희중, 손호성, 송 현, 신윤철, 신재승, 신화균, 오상기, 오탈운, 유경중, 유재욱, 유재현, 윤정섭, 이기중, 이삼운, 이상권, 이석기, 이석열, 이석재, 이성수, 이성호, 이양행, 이원용, 이장훈, 이재익, 이정상, 이종목, 이창하, 이해원, 이현석, 이 건, 이 섭, 임상현, 장지원, 전상훈, 전태국, 전희재, 정성운, 정인석, 정종필, 정철현, 제형근, 조광리, 조광조, 조덕근, 조성준, 조준용, 주석중, 지현근, 최진호, 최창후, 허 진, 홍종면, 홍준화, 황재준

총 무 이 사 서종희

감 사 신성호, 윤희철, 허동명

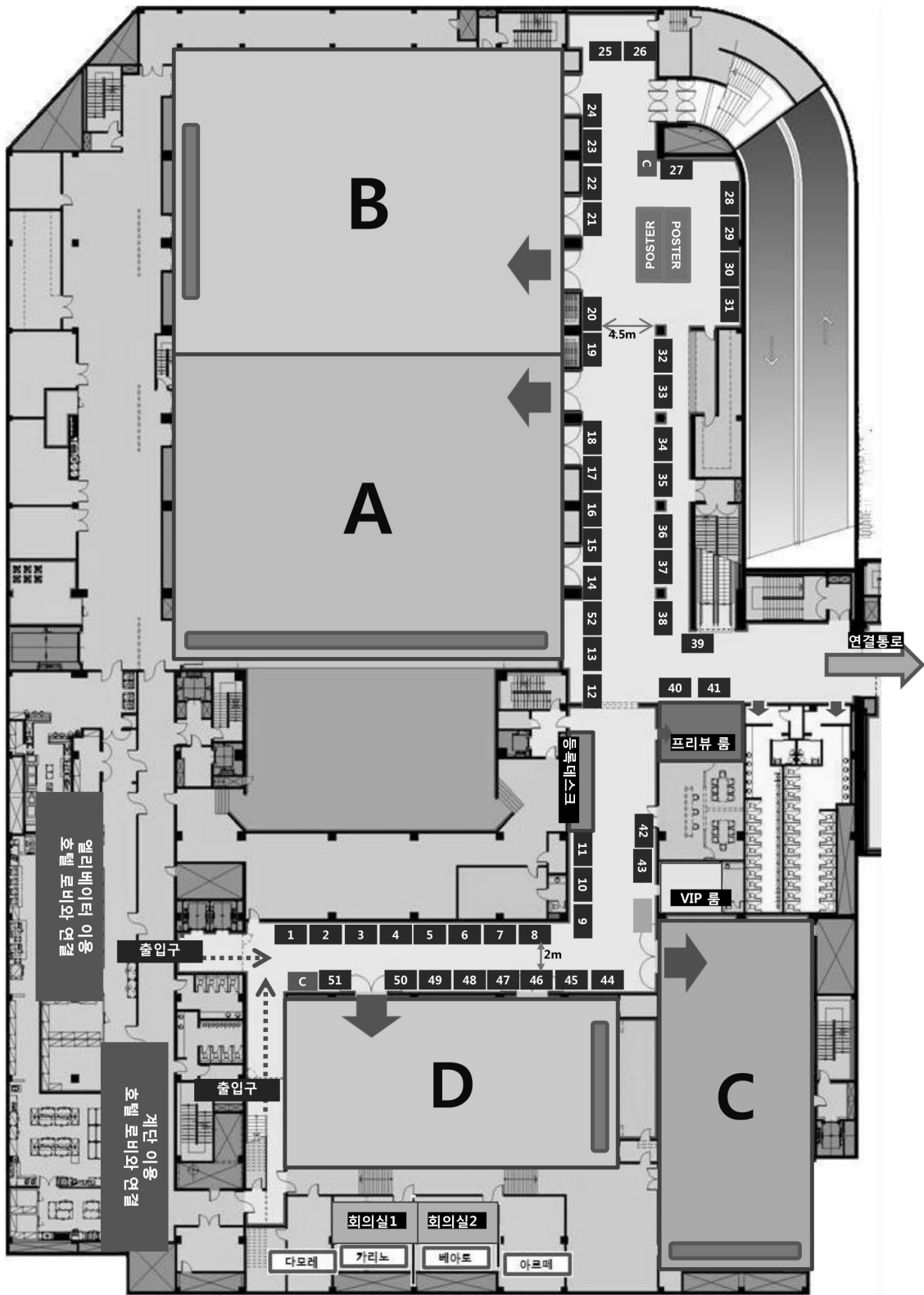
- 기획홍보위원회** 전태국(장), 강청희, 김대준, 김도형, 김수성, 김수철, 김환욱, 류한영, 손호성, 신성호, 이동협, 이석열, 이석재, 임 청, 정진용, 조양현
- 간행위원회** 백희중(장), 김경환, 나명훈, 박기성, 박한기, 백만중, 서필원, 송석원, 유재현, 윤태진, 이 삭, 이성호, 조광조, 최시영, 최용수, 홍기표, 홍종면, 황재준, Dr.Alec Patterson, Dr.Arata Murakami, Dr.Byung C. Moon, Dr.Francis D. Ferdinand, Dr.Hendrick B. Barner, Dr.Kemp H. Kernstine, Dr.Marcello Carlo Ambrogi, Dr.Tirone E David, Dr.Tom R. Karl
- 고시위원회** 정성운(장), 권중범, 김경환, 김도훈, 김재범, 김형렬, 김형태, 김홍관, 박인규, 박정준, 송상윤, 신재승, 신흥주, 양지혁, 이진구, 이충원, 임 청, 최창휴
- 교육위원회** 나국주(장), 강신광, 공준혁, 금동윤, 김관창, 김근직, 김정철, 김태식, 김형태, 박계현, 박성용, 신흥주, 이길수, 이성수, 이재항, 이 철, 장우성, 전재현, 정인석, 제형곤, 조석기, 조정수, 최은석, 황정주, 황진욱
- 보험위원회** 문석환(장), 공준혁, 광재진, 김시호, 김영두, 김태식, 박남희, 박성식, 박인규, 신성호, 신운철, 오상기, 윤영남, 이영욱, 이재익, 이해원, 임상현, 장형우, 정성호, 정원석, 정재승, 조민섭, 조양현, 조창욱, 조현민, 홍순창
- 심사위원회** 유경중(장), 강두영, 김동원, 김영대, 김재현, 김준석, 류경민, 윤영남, 윤유상, 윤효철, 이석재, 이응배, 장지원, 최진호
- 재정위원회** 윤정섭(장), 강정한, 김경화, 배지훈, 박철현, 이기종, 이석기, 전현우, 조광조, 조종호, 최재성, 홍종면
- 학술위원회** 김관민(장), 강민웅, 강창현, 김정철, 김웅한, 김재범, 김현구, 김홍관, 박한기, 성기익, 양지혁, 이 삭, 이창하, 정재승, 조덕곤, 주석중, 지현근, 최세훈, 최재성, 함석진, 황호영
- 국제교류위원회** 김영태(장), 김욱성, 김준범, 배미경, 성용원, 정인석
- 정보위원회** 최창휴(장), 강준규, 염상윤, 오세진, 이석기, 이송암, 이해영, 정재승, 조원민, 허 균
- 정책윤리위원회** 신재승(장), 광영태, 권오춘, 김동원, 김수성, 김요한, 김 혁, 나찬영, 문병주, 박승일, 박영환, 서종희, 성시찬, 오상준, 오테윤, 유경중, 윤정섭, 윤치순, 정성운, 정태은, 조덕곤, 홍종면

참가 특별회원명단

제48차 추계학술대회 및 연수교육

부스위치	업체명	부스위치	업체명
29	고어코리아	7	나우메드 유한회사
40	남북씨지칼(주)	2	(주)녹십자
36	동아에스티(주) 서울지점	14	라파메드(유)
43	(주)마퀘트메디칼코리아	22	맥진메디칼
15~18	메드트로닉코리아 유한회사	39	(주)메버릭스
21	(주)메손	23	미쓰비시다나베파마코리아
12, 13	(주)박스터	46	(주)서린시스템
28	(주)서울파마	51	성우메디텍(주)
9	(주)세명엠디	38	세인트 주드 메디칼 코리아
3	스미스앤드네퓨(주)	25	씨라디아
34, 35	에드워즈라이프사이언스스코리아 주식회사	1	에스케이케미칼
31	에이스코리아	41	(주)엠디아이메디칼
5	인튜이티브서지컬코리아 유한회사	52	(주)재경메디칼
47	(주)제니스팜	37	짐머바이오메트코리아
19, 20	칼스톨츠엔도스코피코리아(유)	44, 45	(주)케이엠스테이트
6	(주)태웅메디칼	50	(주)프라임메드
8	피셔앤파이크헬스케어아시아리미티드	30	(주)필립스코리아
26	한국의약품물류(주)	48	한국인체조직기증원
32, 33	한국존슨앤드존슨메디칼(주)	10, 11	한국테루모(주)
49	(주)한독	24	한림제약
42	(주)한솔카디악케어	4	현대약품(주)
27	신한은행	광고	한국아스텔라스제약주식회사
광고	한국유니팜		

전시도면



2016. 10. 21(금)	그랜드볼룸 A 성인심장	그랜드볼룸 B 일반흉부	아이리스홀 소아심장	블루벨홀
08:00~09:00	체외순환 (22~26 연제) 좌장: 정종필, 임상현	폐암 I (44~48 연제) 좌장: 이응배, 박창률	선천성심장질환 I (67~71 연제) 좌장: 성시찬, 이 철	08:30~10:00 지도전문의 교육
09:00~10:00	<그랜드볼룸 A> 특 강 2 좌장: 이재원			
10:00~10:30	Coffee Break			10:00~12:00 체외순환학회 추계학술대회
10:30~12:00	포럼 I (1~8 연제) 좌장: 최재성, 김근직	포럼 II (9~21 연제) 좌장: 조석기, 함석진	포럼 III (22~29 연제) 좌장: 김재범, 강신광	
12:00~13:30	Luncheon Seminar 4 좌장: 주석중 (서울아산병원) <메드트론코리아>	Luncheon Seminar 5 좌장: 김관민 (분당서울대학교병원) <한국존슨앤드존슨메디칼>	Luncheon Seminar 6 좌장: 지현근 (건국대학교병원) <Baxter>	Luncheon Seminar 7 좌장: 이원용 (한림대학교성심병원) <짐머코리아>
	1. Current Trends of TEVAR 송석원(연세대) 2. Clinical outcomes of TEVAR vs Open Surgery 정의석(인제대) 3. Clinical Registry Data of Medtronic Valiant Captivia Alessandro Marucchini, MD (Medtronic Global Marketing) 패널: 최진호 교수, 조민섭 교수, 김근직 교수	Strategy and Technique of Segmentectomy for Lung Cancer: the Japanese Experience Shun-ichi Watanabe, MD (National Cancer Center)	심장 수술에서 지혈제의 역할 Floseal (A Role of Hemostatic Agent in Cardiac Surgery Floseal) 이승현(연세대학교 심장혈관병원)	Stability and Safety of Sternal Closure with "Zimmer Biomet Sternalock® Blu System" 이재원(서울아산병원)
13:30~15:00	판막/부정맥 (27~33 연제) 좌장: 김옥성, 김경환	기관/식도/종격동 (49~55 연제) 좌장: 나국주, 김용희	선천성심장질환 II (72~77 연제) 좌장: 전태국, 조준용	13:30~15:30 RIB FIXATION FORUM 좌장: 이석기, 전영빈
15:00~16:00	관상동맥 (34~38 연제) 좌장: 유경중, 정철현	폐암 II (56~60 연제) 좌장: 김영태, 조덕근	선천성심장질환 III (78~81 연제) 좌장: 윤태진, 김시호	15:30~17:00 심장혈관 발전 세미나 좌장: 안 혁, 신성호
16:00~16:30	Coffee Break			
16:30~17:30	기초/말초혈관/최소침습/기타심혈관 (39~43 연제) 좌장: 윤정섭, 오상기	폐암 III (61~66 연제) 좌장: 김관민, 김현구	최소침습 (82~86 연제) 좌장 : 최용수, 김대준	
17:30~18:30	총회 및 시상식			
	<ol style="list-style-type: none"> 1. 위원장 보고 2. 학술상 시상 <ul style="list-style-type: none"> - Medtronic Award 발표상 - English Competition Forum 발표상 - 젊은 연구자상(포럼) 발표상 - 최우수 포스터상 - Video Session 우수발표상 3. 임원 인준 4. 행운상 시상 			
18:30~19:30	<나루홀 3층> 좌장: 주석중 Special Session with Dr. Reardon "The Surgeon's Role in Transcatheter Heart Valve Therapy" <2016. 10. 19.까지 아래 메일로 참가신청 하여 주시기 바랍니다. sam.park@medtronic.com>			

제 3 일

2016년 10월 22일(토)
대구 호텔인터볼고 엑스코

2016. 10. 22(토)	그랜드볼룸 A 성인심장	그랜드볼룸 B 일반홍부	아이리스홀 일반홍부
08:00~09:15	08:00~09:30 대동맥 (87~93 연제) 좌장: 조광조, 성기익	폐암 IV (99~104 연제) 좌장: 박기성, 강창현	
09:15~10:30	09:30~10:30 중환자/외상 (94~98 연제) 좌장: 박철현, 김영대	일반홍부 I (105~110 연제) 좌장: 금동윤, 이호석	일반홍부 II (111~116 연제) 좌장: 문석환, 이진구
10:30~11:00	Coffee Break		
11:00~12:00	Video Session (1~8 연제) 좌장: 박남희, 조정수		

대한흉부심장혈관외과학회 제48차 추계학술대회

프 로 그 램

구 연



첫째날 2016. 10. 20(목)

장소: 그랜드볼룸 A

09:00~10:30

자유연제 I (1~7 연제)

좌장: 이정철, 나찬영

- 001 The Angiotensin II Type 1 Receptor Blocker Losartan Attenuates Bioprosthetic Valve Leaflet Calcification in a Rabbit Intravascular Implant Model
Dae-Hyun Kim¹, Han Ki Park¹, Young Hwan Park¹, Hong Ju Shin²
¹Division of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, ²Department of Thoracic and Cardiovascular Surgery, Chungbuk National University Hospital, Chungbuk National University College of Medicine, Chungcheongbuk-do, Korea
- 002 20 Year Experience in Lung Transplantation
Jee Won Suh, Seokkee Lee, Kyoung Sik Narm, Chang Young Lee, Jin Gu Lee, Hyo Chae Paik
Department of Thoracic and Cardiovascular Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea
- 003 Long Term Outcomes after Total Repair for Tetralogy of Fallot and the Predictive Factor of Pulmonary Valve Replacement: 25-year Follow-up
Ji Hyun Bang, Eung Rae Kim, Jae Gun Kwak, Woong-Han Kim, Jeong Ryul Lee, Yong Jin Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Children's Hospital, Seoul National University College of Medicine, Seoul, Korea
- 004 Transcatheter Aortic Valve Implantation and Conventional Aortic Valve Replacement in Severe Aortic Stenosis: A Propensity Score Matched Analysis
Jihoon Kim, Suk Jung Choo, Jun Bum Kim, Sung-Ho Jung, Cheol Hyun Chung, Jae Won Lee
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- 005 Impact of Lymph node Dissection in Surgery for Thymic Malignancies: Multi-institutional-propensity Matched Analysis
강창현¹, 황유화¹, 현관용¹, 박샘이나, 김용래¹, 이현주¹, 박인규¹, 김영태¹, 남경식², 변고은², 이창영², 이진규², 김대준², 정경영², 김 석³, 이진희³, 조종호³, 최용수³, 김진국³, 조재일³, 심영목³, 복진산⁴, 황수경⁴, 이근동⁴, 최세훈⁴, 김형렬⁴, 김용희⁴, 김동관⁴, 박승일⁴
¹서울대학교 의과대학 서울대학교병원 흉부외과교실, ²연세대학교 의과대학 세브란스병원 흉부외과학교실, ³성균관대학교 의과대학 삼성서울병원 흉부외과학교실, ⁴울산대학교 의과대학 서울아산병원 흉부외과학교실
- 006 Is Reimplantation of Intercostal Arteries Necessary during Repair of Thoracoabdominal Aortic Aneurysm?: 10-year Single Center experience
Suryeun Chung, Kay-Hyun Park, Jun Sung Kim, Cheong Lim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea



15:00~16:00

자유연제 II (8~12 연제)

좌장: 권오춘, 서필원

- 008 관상동맥우회로술에 이용된 좌내흉동맥 및 복재정맥 Y 복합도관의 벽전단력 측정연구
 염삼윤¹, 황호영¹, 구분권², 김태경³, 홍덕만³, 김기봉¹
 서울대학교 의과대학 서울대학교병원 ¹흉부외과학교실, ²내과학교실 순환기내과, ³마취과학교실
- 009 Prognosis of Native Ascending Aorta following Aortic Valve Replacement
 Pil Je Kang, Hee Jung Kim, Ho Jin Kim, Sung-Ho Jung, Suk Jung Choo, Cheol Hyun Chung, Jae Won Lee, Joon Bum Kim
 Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- 010 Consequences of Recurrent Mitral Regurgitation Following Mitral Valve Repair in Patients with Degenerative Mitral Regurgitation and Risk Factors for Recurrence
 Jung-Hwan Kim, Seung Hyun Lee, Hyun-Chel Joo, Sak Lee, Young-Nam Youn, Kyung-Jong Yoo, Byung-Chul Chang
 Department of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
- 011 The Effect of C-reactive Protein Deposition on Ischemia-Reperfusion Injury Model in Rat Myocardium
 Se Jin Oh¹, Eun Na Kim², Chong Jai Kim², Jae-Sung Choi¹, Ki-Bong Kim³
¹Department of Thoracic and Cardiovascular Surgery, SMG-SNU Boramae Medical Center, Seoul National University College of Medicine, ²Department of Pathology, Asan Medical Center, Asan Laboratory of Perinatal Science, Ulsan University College of Medicine, ³Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- 012 Impact of Preoperative Extracorporeal Membrane Oxygenation Apply on Heart Transplantation
 Seung Hyun Lee, Byung Chul Chang, Hyun Chel Choo, Kyung-Jong Yoo, Sak Lee, Young-Nam Youn
 Department of Thoracic and Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea

16:00~16:30 Coffee Break



13:00~14:00

Luncheon Seminar 2

좌장: 나국주(화순 전남대학교병원)

<메트로닉코리아>

Current Evidence and Controversies Over Intraoperative
Mediastinal Lymph Node Assessment

김홍관(삼성서울병원)

15:00~16:00

자유연제 III (13~17 연제)

좌장: 김동관, 박인규

- 013 The Effects of Cyclosporine A on Mitochondrial Dysfunction in Lung Grafts during Ex Vivo Lung Perfusion
Seokjin Haam, Joonho Jung, Seong Yong Park
Department of Thoracic and Cardiovascular Surgery, Ajou University Hospital, Ajou University School of Medicine, Gyeonggi-do, Korea
- 014 Tonicity-responsive Enhancer-binding Protein Expression Correlated with Tumor Invasiveness and Prognosis in Non-small Cell Lung Cancer
Hyun Jin Cho¹, Shinkwang Kang¹, Jae Hyeon Yu¹, Myung Hoon Na¹, Sang Do Lee², Hyeong Ryul Kim³, Sung Joon Han¹, Hao Jun Cui¹, Roknuggaman¹, Min-Woong Kang¹
¹*Department of Thoracic and Cardiovascular Surgery, Chungnam National University Hospital, Chungnam National University School of Medicine, Daejeon,* ²*Department of Physiology, Chungnam National University School of Medicine, Daejeon,* ³*Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea*
- 015 The Differential Roles of Lymphadenectomy in Surgical Treatment of Patients with Esophageal Cancer Based on Disease Stage and Neoadjuvant Treatment
Samina Park, Kwanyong Hyun, Yoohwa Hwang, Hyun Joo Lee, In Kyu Park, Young Tae Kim, Chang Hyun Kang
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- 016 Recurrence Patterns and Dynamics for Completely Resected N1-stageII Lung Adenocarcinoma: Effect of Adjuvant Chemotherapy on the Recurrences.
Byung Jo Park¹, Yong Soo Choi², Hong Kwan Kim², Jongho Cho², Jae Ill Zo², Young Mog Shim², Sumin Shin², Jhngook Kim²
¹*Department of Thoracic and Cardiovascular Surgery, Armed Forces Cheong Pyeong Hospital, Gyeonggi-do,* ²*Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea*
- 017 Intraoperative Color and Fluorescence Imaging System for Evaluating Gastric Tube Perfusion after Esophagogastrostomy in A Preclinical Model
Hyun Koo Kim¹, Minji Kim², Yu Hua Quan², Kook Nam Han¹, Beop-Min Kim², Young Ho Choi¹
¹*Department of Thoracic and Cardiovascular Surgery, Korea University Guro Hospital, Korea University College of Medicine,* ²*Department of Bio-Convergence, Korea University College of Medicine, Seoul, Korea*

16:00~16:30 Coffee Break



13:00~14:00

Luncheon Seminar 3

좌장: 지현근(건국대학교병원)

<세인트जू드메디칼코리아>

LVAD Experience @ Small BSA (TBD)

Minoru Ono, MD, PhD (Cooperative Unit of Medicine and Engineering Research,
Graduate School of Medicine The University of Tokyo Hospital, Japan)

15:00~16:00

자유연제 IV (18~21 연제)

좌장: 유재현, 김용한

- 018 Outcomes of Atrioventricular Valve Repair for Children with Functionally Single ventricle
 Jong Yoon Park, Won Kyoun Park, Chun Soo Park, Jeong-Jun Park, Tae-Jin Yun
Department of Pediatric Cardiac Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
 지정토론 : 조성규(세종병원)
- 019 The Influence of Postoperative Outcome after the Fenestration of an Extracardiac Conduit Fontan in the High-risk Patients
 Ji Hyun Bang, Eung Rae Kim, Jae Gun Kwak, Woong-Han Kim, Jeong Ryul Lee, Yong Jin Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Children's Hospital, Seoul National University College of Medicine, Seoul, Korea
- 020 Does the Coronary Reimplantation after Neoaortic Reconstruction in Arterial Switch Operation Increase the Incidence of Aortic Regurgitation?
 Kwang Ho Choi¹, Si Chan Sung¹, Hyungtae Kim¹, Hyung Doo Lee², Gil Ho Ban², Geena Kim²
¹*Department of Thoracic and Cardiovascular Surgery, ²Department of Pediatric Cardiology, Pusan National University Yangsan Hospital, Pusan National University College of Medicine, Gyeongsangnam-do, Korea*
 지정토론 : 전태국(성균관대학교 삼성서울병원)
- 021 Reoperation for Coronary Artery Stenosis after Arterial Switch Operation
 Joon Chul Jung, Ji Hyun Bang, Eung Re Kim, Jae Gun Kwak, Woong-han Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea

16:00~16:30 Coffee Break



12:00~14:00 흉부외과 여의사회 창립총회

- 1. 내외빈 축사
- 2. 회원 및 사업 소개

15:00~17:00 흉부외과 보험상식 더 알기 및 심폐재활 세션

흉부외과 보험상식 더 알기

좌장: 문석환(가톨릭대)

- 1. 초음파 급여 체계 개편과 흉부외과의 대응 방안 김태식(고려대)
- 2. 늑골골절의 수술에 대한 설문조사 및 식감현황 황정주(을지대)

심폐재활의 치료와 운동처방

좌장: 심성보(가톨릭대)

- 1. 심폐재활운동 처방의 임상 레 이정상(서울대)
- 2. 폐수술 환자에서의 호흡재활 이진구(연세대)

토의: 문병주, 이정상, 심성보, 이진구

17:30~18:30 이사회

장소: 블루벨홀



08:00~09:00

체외순환 (22~26 연제)

좌장: 정종필, 임상현

- 022 Heparin-free Extracorporeal Membrane Oxygenation in Patients with Ongoing Bleeding or Bleeding Tendency
 Sung Kwang Lee, Bong Soo Son, Mi Hee Lim, Do Hyung Kim
 Department of Thoracic and Cardiovascular Surgery, Pusan National University Yangsan Hospital, Pusan National University College of Medicine, Gyeongsangnam-do, Korea
- 023 The Outcome of Extracorporeal Life Support after General Thoracic Surgery: Timing of Application
 Heemoon Lee¹, Yang Hyun Cho¹, Hyoung Woo Chang², Ji-Hyuk Yang¹, Jong Ho Cho¹, Kiick Sung¹, Young Tak Lee¹
¹Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, ²Department of Thoracic and Cardiovascular Surgery, Sejong General Hospital, Gyeonggi-do, Korea
- 024 The Simulation Program for Extracorporeal Membrane Oxygenation: Experience and Future Prospect
 Kiick Sung¹, Yang Hyun Cho¹, Bong Soo Son², Seon Uoo Choi³, Up Huh⁴, Seunghwan Song⁴
¹Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, ²Department of Cardiovascular and Thoracic Surgery, Pusan National University Yangsan Hospital, Pusan National University College of Medicine, Gyeongsangnam-do, ³Department of Trauma Surgery, Pusan National University Hospital, Pusan National University College of Medicine, ⁴Department of Thoracic and Cardiovascular Surgery, Pusan National University Hospital, Pusan National University College of Medicine, Busan, Korea
- 025 Is the Safe to use the ECMO in Acute Respiratory Failure Patients with Intracranial Hemorrhage?
 Hyoung Soo Kim¹, Sung Hoon Park², Sang Ook Ha³, Sun Hee Lee¹
¹Department of Thoracic and Cardiovascular Surgery, ²Pulmonary, Allergy and Critical Care Medicine, ³Emergency Medicine, Sacred Heart Hospital, Hanlym University College of Medicine, Gyeonggi-do, Korea
- 026 Heart Transplantation Bridged by Extracorporeal Life Support in the Adults: Experience from Samsung Medical Center
 Jun Ho Lee, Yang Hyun Cho, Dong Seop Jeong, Ji-Hyuk Yang, Kiick Sung, Wook Sung Kim, Tae-Gook Jun, Young Tak Lee, Pyo Won Park
 Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

09:00~10:00

특 강 2

좌장: 이재원

1. Current TAVI Trend from Cardiac Surgeon's Perspective
 Michael J. Reardon, MD (Methodist DeBakey Heart & Vascular Center, USA)
2. Advancing the Indications of the Sutureless Valve
 Peter J. Oberwalder, MD (Graz, Austria)
3. Taiwan's Evolvement of the Role of Cardiovascular Surgeon in the Endovascular Era
 Chih-Yang Chan, MD (Taiwan National University Hospital, Taiwan)

10:00~10:30 Coffee Break



12:00~13:30

Luncheon Seminar 4

좌장: 주석중(서울아산병원)

<메드트로닉코리아>

- 1. Current Trends of TEVAR 송석원(연세대)
- 2. Clinical outcomes of TEVAR vs Open Surgery 정의석(인제대)
- 3. Clinical Registry Data of Medtronic Valiant Captivia
Alessandro Marucchini, MD (Medtronic Global Marketing)

패널: 최진호 교수, 조민섭 교수, 김근직 교수

13:30~15:00

판막/부정맥 (27~33 연제)

좌장: 김옥성, 김경환

- 027 Impact of Surgical Intervention on Long-term Survival in Patients with Severe Aortic Stenosis
Ho Jin Kim, Hong Rae Kim, Joon Bum Kim, Sung-Ho Jung, Suk Jung Choo, Cheol Hyun Chung, Jae Won Lee
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- 028 Randomized Trial of Concomitant Maze Procedure using Nitrous Oxide-based Versus Argon-based Cryoablation in Patients with Persistent Atrial Fibrillation.
Ji Young Park, Pyo Won Park, Young Tak Lee, Wook Sung Kim, Kiick Sung, Dong Seop Jeong, Yang Hyun Cho
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- 029 Long-term Result of Concomitant Maze Procedure during Mitral Valve Surgery in Patients with a Giant Left Atrium: The Effect of Left Atrial Volume Resection
Jae Hyun Kim¹, Woo Sung Jang¹, Jae Bum Kim¹, Sook Jin Lee²
¹Department of Thoracic and Cardiovascular Surgery, Keimyung University Dongsan Medical Center, Keimyung University School of Medicine, Daegu, ²Department of Cardiology, Sejong General Hospital, Gyeonggi-do, Korea
- 030 The Effectiveness of Thoracotomy Approach for Multiple Time Reoperations Involving Mitral Valve
Jae Suk Yoo, Hyoung Woo Chang, Dong Jin Kim, Kwang Ree Cho
Department of Thoracic and Cardiovascular Surgery, Sejong General Hospital, Gyeonggi-do, Korea
- 031 Effect of Preoperative Pulmonary Hypertension on Clinical Outcomes in Patients with Mitral Stenosis after Valve Surgery
Shin-Young Lee, Seung Hyun Lee, Hyun-Chel Choo, Kyung-Jong Yoo, Young-Nam Youn, Byung-Chul Chang, Sak Lee
Division of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
- 032 승모판 치환술 시 경도 이하의 기능적 삼첨판 역류에 대한 링 삼첨판륜 성형술의 장기 성적: 삼첨판륜 성형술을 시행한 환자과 시행하지 않은 환자의 비교
Jae Woong Choi, Sang Yoon Yeom, Sue Hyun Kim, Ho Young Hwang, Kyung-Hwan Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea



- 033 Contemporary Surgical Result of Minimally Invasive Aortic Valve Replacement: Comparison with Conventional Full-sternotomy Aortic Valve Replacement
 Hyung Gon Je, Sang-Kwon Lee, Jong Myung Park, Mi Hee Lim
 Department of Thoracic and Cardiovascular Surgery, Pusan National University Yangsan Hospital, Pusan National University College of Medicine, Gyeongsangnam-do, Korea

15:00~16:00

관상동맥 (34~38 연제)

좌장: 유경중, 정철현

- 034 Contemporary Outcomes of Coronary Artery Bypass in Severe Left Ventricular Systolic Dysfunction: A Single Center Experience
 Man-shik Shim, Wook Sung Kim, Dong Seop Jeong, Young Tak Lee
 Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- 035 관상동맥우회술에서 제2도관으로 사용하는 복재정맥의 채취 부위에 따른 수술 후 결과 비교: 무작위 배정 연구
 Hyoung Woo Chang¹, Ho Young Hwang², Jeong Wook Seo³, Ki-Bong Kim²
¹Department of Thoracic and Cardiovascular Surgery, Sejong General Hospital, Gyeonggi-do, ²Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, ³Department of Pathology, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- 036 Factors Associated with Improvement of Left Ventricular Ejection Fraction after Off-Pump Coronary Artery Bypass Grafting in Patients with Low Ejection Fraction
 Jung-Hwan Kim, Seung Hyun Lee, Hyun-Chel Joo, Kyung-Jong Yoo, Young-Nam Youn
 Department of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
- 037 Comparison of the Results of Hybrid Coronary Revascularization and Conventional Coronary Artery Bypass Graft Surgery for Multivessel Coronary Artery Disease
 Do Youn Kim, Won Jung Cho, Kun Hyun Jo, Whan Wook Kim, Hyun Song, Joonkyu Kang
 Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- 038 What is better Conduit for Revascularization of the Right Coronary Territory in Impaired LV Function? : Right Internal Thoracic Artery vs Saphenous Vein Graft
 Suryeun Chung, Cheong Lim, Jun Sung Kim, Kay-Hyun Park
 Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea

16:00~16:30 Coffee Break



16:30~17:30

기초/말초혈관/최소침습/기타심혈관 (39~43 연제)

좌장: 윤정섭, 오상기

- 039 **형질전환돼지 심장을 이용한 영장류 전임상 고형장기(심장) 이소성 이종이식시험 모델의 확립**
 황유환¹, 황호영¹, 이현주¹, 이새봄², 김윤호², 정유진², 김종민², 김영태²
¹서울대학교 의과대학 서울대학교병원 흉부외과학교실, ²서울대학교병원 의생명연구원
 지정토론 : 지현근(건국대학교병원)
- 040 **An In-Vitro Study for Comparison of Artificial Heart Valve Prostheses by Using Hemodynamic Energy**
 Jong Tae Lee¹, Duck Hee Lee^{1,3}, Jae-Seung Jung^{1,2}, Chi Bum Ahn⁴, Yeon Soo Shin¹, Ho Sung Son^{1,2}, Kyung Sun^{1,2}
¹Department of Korea Artificial Organ Center, Korea University College of Medicine, ²Department of Thoracic and Cardiovascular Surgery, Korea University Anam Hospital, Korea University College of Medicine, ³Department of Biomedical Engineering R&D Center, Asan Institute for Life Science, Asan Medical Center, University of Ulsan College of Medicine, Seoul, ⁴Department of Molecular Medicine, Gachon University College of Medicine, Incheon, Korea
- 041 **The Benefits of NIRS Compared with TCD-based Monitoring in Carotid Endarterectomy Regarding Perioperative Concerns**
 Jun Woo Cho, Oh Choon Kwon
 Department of Thoracic and Cardiovascular Surgery, Daegu Catholic University Medical Center, Daegu Catholic University College of Medicine, Daegu, Korea
- 042 **A Single Center Experience of Orthotopic Heart Transplantation: Consecutive 600 Cases**
 Min Ho Ju, Joon Bum Kim, Suk Jung Choo, Cheol Hyun Chung, Tae-Jin Yun, Jae Won Lee, Sung-Ho Jung
 Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- 043 **Feasibility of Minimally Invasive Cardiac Surgery without One Lung Ventilation**
 Hyung Gon Je, Jong Myung Park, Mi Hee Lim, Sang Kwon Lee
 Department of Thoracic and Cardiovascular Surgery, Pusan National University Yangsan Hospital, Pusan National University College of Medicine, Gyeongsangnam-do, Korea

17:30~18:30

총회 및 시상식

장소: 그랜드볼룸 A

1. 위원장 보고
2. 학술상 시상
 - Medtronic Award 발표상
 - English Competition Forum 발표상
 - 젊은 연구자상(포럼) 발표상
 - 최우수 포스터상
 - Video Session 우수발표상
3. 임원 인준
4. 행운상 시상



둘째날 2016. 10. 21(금)

장소: 그랜드볼룸 B

08:00~09:00

폐암 I (44~48 연제)

좌장: 이응배, 박창률

- 044 **Patterns of Recurrence in Curatively Resected Stage I Lung Cancer**
 Kanghoon Lee, Seung-Il Park, Yong-Hee Kim, Hyeong Ryul Kim, Se Hoon Choi, Su Kyung Hwang, Jin San Bok, Han Pil Lee, Byung Kwon Chong, Dong Kwan Kim
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- 045 **Post-recurrence 5-year Conditional Survival in Pulmonary Adenocarcinoma**
 Samina Park, Kwanyong Hyun, Yoo Hwa Hwang, Hyun Joo Lee, In Kyu Park, Young Tae Kim, Chang Hyun Kang
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- 046 **Predictors of Long-term Survival after Recurrence in Completely Resected Non-Small Cell Lung Cancer**
 Jae-ik Lee¹, Kun Woo Kim¹, Won-Jun Choi², Kook-Yang Park¹, Chul-Hyun Park¹, Chang-Hyu Choi¹, Kuk-Hui Son¹, Seok-In Lee¹, So-Young Lee¹
¹Department of Thoracic and Cardiovascular Surgery, ²Department of Occupational and Environmental Medicine, Gachon University Gil Medical Center, Gachon University College of Medicine, Incheon, Korea
- 047 **Pattern of Recurrence After Trimodality Therapy (Neoadjuvant Chemoradiotherapy and Surgery) In Stage IIIa(N2) Lung Cancer**
 Junghee Lee¹, Hong-Kwan Kim², Yong Soo Choi², Jong Ho Cho², Jae Ill Zo², Young Mog Shim², Su Min Shin², Jhingook Kim²
¹Department of Thoracic and Cardiovascular Surgery, Armed Forces Daejeon Hospital, Daejeon, ²Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- 048 **Prognostic Value of Lung Adenocarcinoma Subtype in Resected Stage I Invasive Adenocarcinoma**
 Seokkee Lee¹, Chang Young Lee¹, Hyo Sup Shim², Jee Won Shu¹, Kyung Sik Nam¹, Jin Gu Lee¹, Dae Joon Kim¹, Hyo Chae Paik¹, Kyung Young Chung¹
¹Department of Thoracic and Cardiovascular Surgery, ²Department of Pathology, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

09:00~10:00

특 강 2

장소: 그랜드볼룸 A

10:00~10:30 *Coffee Break*

둘째날 2016. 10. 21(금)

장소: 그랜드볼룸 B

12:00~13:30

Luncheon Seminar 5

좌장: 김관민(분당서울대학교병원)

<한국존슨앤드존슨메디칼>

Strategy and Technique of Segmentectomy for Lung Cancer:

The Japanese Experience

Shun-ichi Watanabe, MD (National Cancer Center)



13:30~15:00

기관/식도/종격동 (49~55 연제)

좌장: 나국주, 김용희

- 049 Experiences of Single-port VATS Thymectomy Through Sub-xiphoidal Incision without CO₂ Insufflation
 Woon Heo, InHo Kim, Ji yong Kim, Ho-ki Min, Hee Jae Jun, Youn-ho Hwang, Do Kyun Kang
 Department of Thoracic and Cardiovascular Surgery, Inje University Haeundae Paik Hospital, Inje University College of Medicine, Busan, Korea
- 050 A Comparative Analysis of Long-term Outcome of Thymoma between Video-assisted Surgery and Open Resection From Multi-center Study Data
 황수경¹, 이강훈¹, 복진산¹, 최세훈¹, 김형렬¹, 김용희¹, 박승일¹, 황유화², 박인규², 강창현², 김영태², 김 석³, 이진희³, 조종호³, 김홍관³, 최용수³, 김진국³, 조재일³, 심영목³, 남경식⁴, 변고은⁴, 이창영⁴, 이진구⁴, 김대준⁴, 김동관⁴
¹울산대학교 의과대학 서울아산병원 흉부외과학교실, ²서울대학교 의과대학 서울대학교병원 흉부외과학교실, ³성균관대학교 의과대학 삼성서울병원 흉부외과학교실, ⁴연세대학교 의과대학 세브란스병원 흉부외과학교실
- 051 Learning Curve of Bilateral Recurrent Laryngeal Nerve nodes Dissection by Robotic System for Esophageal Cancer
 Seong Yong Park, Seokjin Haam, Joonho Jung
 Department of Thoracic and Cardiovascular Surgery, Ajou University Hospital, Ajou University School of Medicine, Gyeonggi-do, Korea
 지정토론 : 김용희(울산대학교 서울아산병원)
- 052 Management of Patients with Bilateral Vocal Cord Paralysis following Esophagectomy
 Hong-Kyu Lee¹, Jong Ho Cho¹, Hong-Kwan Kim¹, Yong Soo Choi¹, Jae Ill Zo¹, Kwahnmien Kim², Young Mog Shim¹
¹Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, ²Department of Thoracic Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea
- 053 Feasibility Study on the Near-infrared Image-guided Upper Mediastinal Lymph Node dissection for Esophageal Squamous Cell Carcinoma
 Jee Won Suh, Seokkee Lee, kyoung Sik Narm, Chang Young Lee, Jin Gu Lee, Hyo Chae Paik, Kyung Young Chung, Dae Joon Kim
 Department of Thoracic and Cardiovascular Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea
 지정토론 : 김현구(고려대학교 구로병원)
- 054 The Prognostic Value of the Systemic Inflammation-based Prognostic Factors in Patients Undergoing Curative Resection for Esophageal Squamous Cell Carcinoma.
 Sang Seok Jeong, Jung Hoon Yi, Jae Hwa Jeong, Pil Jo Choi
 Department of Thoracic and Cardiovascular Surgery, Dong-A University Hospital, Dong-A University College of Medicine, Busan, Korea
- 055 Ideal Length of Proximal Resection Margin in Patients Who had Complete Resection Margin after Esophagectomy in Esophageal Squamous Cell Carcinoma
 Hyo-Jun Jang¹, Sukki Cho^{1,2}, Kyung Wook Shin¹, Sanghoon Jheon^{1,2}, Kwahnmien Kim^{1,2}
¹Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, ²Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea



15:00~16:00

폐암 II (56~60 연제)

좌장: 김영태, 조덕곤

- 056 **Long-term Oncological Effects of Positive Malignant Cells in Pleural Lavage Cytology for Respectable Lung Cancer**
 Byung Kwon Chong, Han Pil Lee, Kang Hoon Lee, Jin San Bok, Su Kyung Hwang, Se Hoon Choi, Hyeong Ryul Kim, Dong Kwan Kim, Seung Il Park, Yong-Hee Kim
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- 057 **Impact of N2 Extent and Nodal Response on Survival after Trimodal Treatment for Stage IIIA-N2 Non-Small Cell Lung Cancer**
 Hong Kwan Kim¹, Jong Ho Cho¹, Yong Soo Choi¹, Jae Ill Zo¹, Young Mog Shim¹, Keunchil Park², Myung-Ju Ahn², Jin Seok Ahn², Yong Chan Ahn³, Hong Ryull Pyo³, JoungHo Han⁴, Hojoong Kim⁵, Jhingook Kim¹
¹Department of Thoracic and Cardiovascular Surgery, ²Division of Hematology-Oncology, ³Department of Radiation Oncology, ⁴Department of Pathology, ⁵Division of Pulmonary and Critical Care Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- 058 **Comparison of Oncologic Outcomes for Pathologic N1/N2 Non-small Cell Lung Cancer by Thoracoscopic Surgery Versus Thoracotomy: A Propensity Score Matching Study**
 Yoohwa Hwang, Kwanyong Hyun, Samina Park, Hyun Joo Lee, In-Kyu Park, Young Tae Kim, Chang Hyun Kang
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- 059 **Prognostic Significance of Extranodal Extension and Size of Metastatic Lymph node in Patients with Non-small Cell Lung Cancer**
 Duk Hwan Moon, Jae Hyun Jeon, Hee Chul Yang, Moon Soo Kim, Jong Mog Lee
Department of Thoracic and Cardiovascular Surgery, National Cancer Center, Gyeonggi-do, Korea
- 060 **The Prognosis of Invasive Adenocarcinoma Presenting as Ground-glass Opacity after Sublobar Resection**
 Youngkyu Moon¹, Kyo Young Lee², Sook Whan Sung¹, Jae Kil Park¹
¹Department of Thoracic and Cardiovascular Surgery, ²Department of Hospital Pathology, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea

16:00~16:30 *Coffee Break*

16:30~17:30

폐암 III (61~66 연제)

좌장: 김관민, 김현구

- 061 **Prospective Randomized Trial Comparing the Effectiveness of Continuous Paravertebral Infusion of Local Anesthetics Versus Intravenous Patient-controlled Analgesia on Acute and Chronic Neuropathic Pain after Thoracoscopic Lobectomy**
 Kyoung Shik Nam, Seokkee Lee, Jee Won Suh, Chang Young Lee, Jin Gu Lee, Hyo Char Paik, Kyung Young Chung, Dae Joon Kim
Department of Thoracic and Cardiovascular Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea
- 062 **Significance of Left Lower Paratacheal Lymph Node Dissection in Patients with Clinical Stage I and II Left-Sided Lung Cancer**
 Hassan Abdullah Alqumber, Yong Soo Choi, Sumin Shin, Jong Ho Cho, Hong Kwan Kim, Jhingook Kim, Jae Ill Zo, Young Mog Shim
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea



- 063 **Prognostic Factors of Post-recurrence Survival in Patients with Completely Resected Stage III-N2 Non-small Cell Lung Cancer**
 Hyo Joon Jang¹, Kyung Wook Shin¹, Sukki Cho^{1,2}, Sung Won Yum¹, Kwhanmien Kim^{1,2}, Sanghoon Jheon^{1,2}
¹Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, ²Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- 064 **Factors Associated with Incidentally found Stump Thrombosis after Lung Cancer Surgery: Can Postoperative Antiplatelet Therapy Reduce the Incidence of Stump Thrombosis after Primary Lung Cancer Surgery?**
 Mi Hyoung Moon, Hang Jun Choi, Young Kyu Moon, Jae Kil Park, Sook Whan Sung
 Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- 065 **Surgical Outcomes of Pulmonary Metastasectomy in HCC Patients According to Approach Method: Thoracoscopic Versus Open Approach**
 Han Pil Lee, Byung Kwon Chong, Jin San Bok, Kang Hoon Lee, Kang Hoon Lee, Se Hoon Choi, Yong-Hee Kim, Dong Kwan Kim, Seung Il Park, Hyeong Ryul Kim
 Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- 066 **Maximal Standardized Uptake Value on Positron Emission Tomography and Histologic Subtype are Prognostic Factors of Survival in Pathologic Stage I Lung Adenocarcinoma**
 Jung Hoon Yi, Sang Seok Jeong, Jae Hwa Jeong, Pil Jo Choi
 Department of Thoracic and Cardiovascular Surgery, Dong-A University Hospital, Dong-A University College of Medicine, Busan, Korea



둘째날 2016. 10. 21(금)

장소: 아이리스홀

08:00~09:00 **선천성심장질환 I (67~71 연제)** **좌장: 성시찬, 이 철**

- 067 **The Fate of Aortic Valve after Doubly Committed Juxtaarterial Ventricular Septal Defect Repair**
 Hanna Jung, Young Ok Lee, Joon Yong Cho
 Department of Thoracic and Cardiovascular Surgery, Kyungpook National University Hospital, Kyungpook National University College of Medicine, Daegu, Korea
 지정토론 : 정인석(전남대학교병원)

- 068 **The Ross Procedure in Patients Aged Less than 18 Years: a 20-year Single-center Experience**
 Dong Woog Yoon, Ji-Hyuk Yang, Tae-Gook Jun, Pyo Won Park
 Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

- 069 **Results of Aortic Valve Leaflet Extension Technique in Patients with Congenital Heart Disease**
 Sungkyu Cho, Chang-Ha Lee, Eun Seok Choi
 Department of Cardiovascular Surgery, Sejong General Hospital, Gyeonggi-do, Korea

- 070 **Impact of Truncal Valve Insufficiency on the Late Outcomes after Surgical Interventions for Persistent Truncus Arteriosus**
 Won Kyoum Park, Jong Yoon Park, Chun Soo Park, Jeong-Jun Park, Tae-Jin Yun
 Department of Pediatric Cardiac Surgery, Asan Medical Center, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
 지정토론 : 이영옥(경북대학교병원)

- 071 **EXCOR Pediatric - Challenges and Opportunities in Pediatric VAD Therapy**
 Hsiao-Huang Chang
 Taipei Veterans General Hospital, Taiwan

09:00~10:00 **특 강 2** **장소: 그랜드볼룸 A**

10:00~10:30 *Coffee Break*

둘째날 2016. 10. 21(금)

장소: 아이리스홀

12:00~13:30 **Luncheon Seminar 6** **좌장: 지현근(건국대학교병원)**

<Baxter>

심장 수술에서 지혈제의 역할

Floseal (A Role of Hemostatic Agent in Cardiac Surgery Floseal)

이승현(연세대학교 심장혈관병원)



13:30~15:00

선천성심장질환 II (72~77 연제)

좌장: 전태국, 조준용

- 072 **Myocardial Protective Effect of Antegrade Cardioplegic Cardiac Arrest Versus Ventricular Fibrillation during Cardiopulmonary Bypass on Immediate Post-operative and Mid-term Left Ventricular Function**
Sang Yoon Kim¹, Sungkyu Cho¹, Ji-Hyun Lee², Jin-Tae Kim², Woong-Han Kim¹
¹Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, ²Department of Anesthesiology and Pain Medicine, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- 073 **Long-term Results of Pulmonary Valve Annular Enlargement with Valve Repair in Total Correction of Tetralogy of Fallot**
Hyungtae Kim¹, Kwang Ho Choi¹, Hyung Doo Lee², Gil Ho Ban², Geena Kim², Si Chan Sung¹
¹Department of Thoracic and Cardiovascular Surgery, ²Department of Pediatrics, Pusan National University Yangsan Hospital, Pusan National University College of Medicine, Gyeongsangnam-do, Korea
 지정토론 : 이 철(가톨릭대학교 서울성모병원)
- 074 **Mid-term Results of Expanded Polytetrafluoroethylene-valved Conduit in Right Ventricular Outflow Reconstruction; Single Center Experience**
Kwang Ho Choi¹, Si Chan Sung¹, Hyungtae Kim¹, Hyung Doo Lee², Gil Ho Ban², Geena Kim², Hoon Ko²
¹Department of Thoracic and Cardiovascular Surgery, ²Department of Pediatric Cardiology, Pusan National University Yangsan Hospital, Pusan National University College of Medicine, Gyeongsangnam-do, Korea
- 075 **Variations in the Right Ventricular Mechanics after Repair of Tetralogy of Fallot: Right Ventricular Outflow Track Patch Enlargement Versus Conduit Repair**
 Byung Won Yoo¹, Young Jin Kim², Jae Young Choi³, Lucy Youngmin Eun³, Young Hwan Park⁴, Han Ki Park⁴
¹Department of Clinical Pharmacology, Severance Hospital, Clinical Trial Center; Yonsei University College of Medicine, ²Department of Radiology, Yonsei University College of Medicine, ³Division of Pediatric Cardiology, Department of Pediatrics, Yonsei University College of Medicine, ⁴Department of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
- 076 **Right Ventricle to Pulmonary Artery Connection with a Cryopreserved Femoral Vein Homograft as a Valved Conduit in Neonates and Small Infants**
Heemoon Lee, Ji-Hyuk Yang, Tae-Gook Jun, Yang Hyun Cho, Pyo Won Park
 Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- 077 **Growth of the Peripheral Pulmonary Arteries in Patients with Non-confluent Central Pulmonary Artery and Ductus-dependent Pulmonary Circulation**
Won Kyoum Park, Jong yoon Park, Chun Soo Park, Jeong-Jun Park, Tae-Jin Yun
 Department of Pediatric Cardiac Surgery, Asan Medical Center; Ulsan University College of Medicine, Seoul, Korea
 지정토론 : 김형태(양산부산대학교병원)



15:00~16:00

선천성심장질환 III (78~81 연제)

좌장: 윤태진, 김시호

- 078 **More Flow Control and Less Complication: An Internal Pulmonary Artery Banding Technique**
 Eung Re Kim, Ji Hyun Bang, Jae Gun Kwak, Woong-Han Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Children's Hospital, Seoul National University College of Medicine, Seoul, Korea
 지정토론 : 박한기(연세대학교 심장혈관병원)
- 079 **Staged Correction of Mixed-type Total Anomalous Pulmonary Venous Returns**
 Hunbo Shim¹, Ji-Hyuk Yang¹, I-seok Kang², June Huh², Jin Young Song², Tae-Gook Jun¹
¹*Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea*, ²*Department of Pediatrics, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea*
 지정토론 : 장우성(계명대학교 동산의료원)
- 080 **Surgery on Dilated Aorta Associated with Connective Tissue Disease or Inflammatory Vasculitis in Children and Adolescent Patients**
 Jae Gun Kwak, Yong Jin Kim, Jeong Ryul Lee, Woong-Han Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Children's Hospital, Seoul National University College of Medicine, Seoul, Korea
- 081 **Arch Repair in Unusual Aortic Configuration**
 Jeong-Jun Park¹, Won Kyoun Park¹, Jong Yoon Park¹, Bo Sang Kwon¹, Chun Soo Park¹, Tae-Jin Yun¹, Jae Suk Baek², Jeong Jin Yu², Young-Hwue Kim², Jae-Kon Ko², Hyun Woo Goo³
¹*Department of Thoracic and Cardiovascular Surgery, Seoul National University College of Medicine, Seoul, Korea*, ²*Department of Pediatric Cardiology, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea*, ³*Department of Radiology, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea*

16:00~16:30 *Coffee Break*

16:30~17:30

최소침습 (82~86 연제)

좌장: 최용수, 김대준

- 082 **The Learning Curve in Robotic Esophagectomy for Esophageal Cancer**
 Samina Park, KwanYong Hyun, Yoohwa Hwang, Hyun Joo Lee, In Kyu Park, Young Tae Kim, Chang Hyun Kang
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- 083 **Four-arm Robotic Lobectomy has No Benefit Over VATS Lobectomy in Patients with Clinical Stage I Non-small Cell Lung Cancer**
 Jee Won Suh, Seokkee Lee, Kyoung Sik Narm, Chang Young Lee, Jin Gu Lee, Hyo Chae Paik, Kyung Young Chung, Dae Joon Kim
Department of Thoracic and Cardiovascular Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea
- 084 **Comparison with Perioperative Outcomes after Single Port Versus Multi-Ports Thoracoscopic Lobectomy for Lung Cancer: A Propensity Matching Study**
 Bong Soo Son, Sung Kwang Lee, Mi Hee Lim, Do Hyung Kim
Department of Thoracic and Cardiovascular Surgery, Pusan National University Yangsan Hospital, Pusan National University College of Medicine, Gyeongsangnam-do, Korea
- 085 **Effectiveness of Three-dimensional Video System in Single Port Thoracoscopic Major Pulmonary Resection: Propensity Score Matched Analysis**
 Kook Nam Han, Hyun Koo Kim, Young Ho Choi
Department of Thoracic and Cardiovascular Surgery, Korea University Guro Hospital, Korea University College of Medicine, Seoul, Korea



둘째날 2016. 10. 21(금)

장소: 아이리스홀

086 Safety and Feasibility of Non-intubated Video-assisted Thoracoscopic Lung Biopsy for Interstitial Lung Disease

Chang Seok Jeon, Su Min Shin, Jong Ho Cho

Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

17:30~18:30

총회 및 시상식

장소: 그랜드볼룸 A



08:30~10:00	지도전문의 교육	
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10:00~12:00	체외순환사협회 추계학술대회	
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12:00~13:30	Luncheon Seminar 7	좌장: 이원용(한림대학교성심병원)
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<짐머코리아>
Stability and Safety of Sternal Closure with
"Zimmer Biomet SternaLock[®] Blu System"
이재원(서울아산병원)

13:30~15:30	RIB FIXATION FORUM	좌장: 이석기, 전양빈
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15:30~17:00	심장혈관 발전 세미나	좌장: 안 혁, 신성호
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17:30~18:30	총회 및 시상식	장소: 그랜드볼룸 A
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08:00~09:30

대동맥 (87~93 연제)

좌장: 조광조, 성기익

- 087 Outcome of type A Aortic Dissection and Intramural Hematoma: Optimal Management in Acute type A Intramural Hematoma?
 Tae-Hoon Kim¹, Suk-Won Song¹, Won-Ki Woo¹, Min-young Beak¹, Kyung-Jong Yoo², Bum-Koo Cho²
¹Department of Thoracic and Cardiovascular Surgery, Gangnam Severance Hospital, Yonsei University College of Medicine, ²Department of Cardiovascular Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea
- 088 The Fate of Abdominal Aorta after TEVAR in Chronic Debakey IIIb Aneurysms and Risk Factor Analysis: Is Residual Abdominal Aortic Dissection Stabilized after TEVAR?
 Suk-Won Song¹, Tae hoon Kim¹, Kwang-hun Lee², Won-Ki Woo¹, Min young Baek¹, Kyung-Jong Yoo³, Bum-Koo Cho³
¹Department of Thoracic and Cardiovascular Surgery, Gangnam Severance Hospital, Yonsei University College of Medicine, ²Department of Radiology, Gangnam Severance Hospital, Yonsei University College of Medicine, ³Department of Thoracic and Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
 지정토론 : 김경환(서울대학교병원)
- 089 Mode of Failures after Repair of Thoracoabdominal Aortic Aneurysm
 Sang Yoon Kim¹, Kay-Hyun Park², Suryeun Chung², Jun Sung Kim², Dong Jung Kim², Jung-Hee Kim², Cheong Lim²
¹Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, ²Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea
- 090 Can EVAR Replace Open Repair as Primary Treatment for Abdominal Aortic Aneurysm? - EVAR versus Open Repair in AAA
 Miju Bae, Sung Woon Chung, Chung Won Lee, Up Huh, Eunji Kim, Chang Won Kim
 Department of Thoracic and Cardiovascular Surgery, Pusan National University Hospital, Pusan National University College of Medicine, Busan, Korea
- 091 Clinical Outcomes of Complicated type A Aortic Dissection
 Hyung Tae Sim, Hyoung Woo Chang, Jae Suk Yoo, Kwang Ree Cho, Dong Jin Kim
 Department of Thoracic and Cardiovascular Surgery, Sejong General Hospital, Gyeonggi-do, Korea
- 092 Is Necessary to Remove Prosthetic Graft at All Time in Thoracic Aortic Graft Infection?
 Min Suk Choi, Jin Ho Choi
 Department of Thoracic and Cardiovascular Surgery, Eulji University Hospital, Eulji University College of Medicine, Daejeon, Korea
- 093 상행대동맥 치환수술에서의 선택적 전향성 뇌관류법
 Sue Hyun Kim, Jae Woong Choi, Sang Yoon Yeom, Kyung-Hwan Kim
 Department of Throacic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea



09:30~10:30 중환자/외상 (94~98 연제) 좌장: 박철현, 김영대

- 094 **Therapeutic Hypothermia May Not Improve Neurologic and Survival Outcomes in Extracorporeal Cardiopulmonary Resuscitation**
 Young Su Kim, Yang Hyun Cho, Kiick Sung, Ji-Hyuk Yang, Young Tak Lee
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- 095 **Outcome of Extracorporeal Cardiopulmonary Resuscitation Followed by Therapeutic Hypothermia for Prolonged Refractory In-hospital Cardiac Arrest**
Yun Seok Kim, Jong Pil Jung
Department of Thoracic and Cardiovascular Surgery, Ulsan University Hospital, Ulsan University College of Medicine, Ulsan, Korea
- 096 **Nosocomial Infection in Adult Patients Undergoing Veno-arterial Extracorporeal Membrane Oxygenation**
Gwan Sic Kim, Kyo Seon Lee,, Seung Ku Kang, Do Wan Kim, Sang Gi Oh, Bong-Suk Oh, Yochun Jung, Seok Kim, Ju Sik Yun, Sang Yun Song, Kook Joo Na, Byoung Hee Ahn, In Seok Jeong
Department of Thoracic and Cardiovascular Surgery, Chonnam National University Hospital, Chonnam National University College of Medicine, Gwangju, Korea
- 097 **외상으로 인해 발생한 말초동맥 손상 치료의 10년 경험 보고: 단 기관 연구**
 Sung woon Chung, Sang-pil Kim, Chung Won Lee, Miju Bae, Up Huh, Seunghwan Song
Department of Thoracic and Cardiovascular Surgery, Pusan National University Hospital, Pusan National University College of Medicine, Busan, Korea
- 098 **Effect of Saline-liberal vs -restrictive Administration on Acute Kidney Injury after Cardiac Surgery**
 Pil Je Kang, Young Woong Kim, Eun Ji Park, Joon Bum Kim, Sung Ho Jung, Suk Jung Choo, Cheol Hyun Chung, Joe Won Lee, Ju Yong Lim
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea

10:30~11:00 *Coffee Break*



08:00~09:15

폐암 IV (99~104 연제)

좌장: 박기성, 강창현

- 099 **Analysis of High-risk Age by using Expected Survival Time (EST) in Elderly Patients with Resected NSCLC**
Seokkee Lee, Jee Won Shu, Kyung Sik Nam, Chang Young Lee, Jin Gu Lee, Dae Joon Kim, Hyo Chae Paik, Kyung Young Chung
Department of Thoracic and Cardiovascular Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea
- 100 **Prognostic Impact of Pathologic Microscopic Lymphovascular Invasion According to Tumor Size in Completely Resected pT1-3N0 NSCLC :Implication to the T Descriptor**
Sumin Shin, Yong Soo Choi, Jong Ho Cho, Hong Kwan Kim, Jhingook Kim, Jae Ill Zo, Young Mog Shim
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- 101 **Validation of the Forthcoming Eighth Edition of the TNM Classification for Non-small Cell Lung Cancer: a Retrospective Analysis of Pathologically Staged (Surgical) Cases**
Ju Sik Yun, Sang Yun Song, Seok Kim, Kook Joo Na
Department of Thoracic and Cardiovascular Surgery, Chonnam National University Hospital, Chonnam National University College of Medicine, Gwangju, Korea
- 102 **Effect of Undertreatment in Recurrence of Non-small Cell Lung Cancer: Analysis of Patients Underwent Curative Surgical Resection**
Hye-seon Kim, Hyuck Kim, Won Sang Chung
Department of Thoracic and Cardiovascular Surgery, Hanyang University Medical Center, Hanyang University College of Medicine, Seoul, Korea
- 103 **Predictive Factors for Readmission after Pulmonary Resection of Non-Small Cell Lung Cancer**
Kyung-wook Shin, Sukki Cho, Eun Young Choi, Sung Won Yum, Kwhanmien Kim, Sanghoon Jheon
Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea
- 104 **Long-term Outcome of Videovideo-assisted Thoracoscopic Thoracoscopic Surgery Surgery Versus Thoracotomy Thoracotomy for Pathological N1 Stage Non-small Cell Lung Cancer**
Su Kyung Hwang, Seung-Il Park, Dong Kwan Kim, Yong Hee Kim, Se Hoon Choi, Kanghoon Lee, Jin San Bok, Hanpil Lee, Byungkwon Chong, Hyeong Ryul Kim
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea

09:15~10:30

일반흉부 I (105~110 연제)

좌장: 금동윤, 이호석

- 105 **Does the Method of Mediastinal Staging Cause the Mediastinal Nodal Clearance Following Trimodality Therapy?**
Jong Ho Cho¹, Hong-Kwan Kim¹, Yong Soo Choi¹, Jae Ill Zo¹, Young Mog Shim¹, Kwhanmien Kim², Jhingook Kim¹
¹*Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul,* ²*Department of Thoracic Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea*
- 106 **Efficacy of Animal VATS Lobectomy Training Program for Novice Thoracic Surgical Residents**
YooHwa Hwang, Samina Park, Hyun Joo Lee, In-kyu Park, Chang Hyun Kang, Young Tae Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea



- 107 **Surgical Repair of Pectus Carinatum and Mixed Deformities: The Sandwich Technique**
Hyung Joo Park, Kyung Soo Kim, Young Kyu Moon, Mi Hyoung Moon, Min Namkoong, Jiyun Lee, Hyo Chan Ahn
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- 108 **Evaluation of Smart After-care System for Lung Cancer Patients**
양희철¹, 김휘형¹, 문덕환¹, 전재현¹, 김문수¹, 이종목¹, 유지성², 정승현²
Departments of ¹Thoracic Surgery, ²Rehabilitation Medicine, National Cancer Center, Gyeonggi-do, Korea
- 109 **The Effectiveness of Manual Aspiration as an Initial Treatment for a First Episode of Primary Spontaneous Pneumothorax: a Prospective Randomized Trial**
Do Kyun Kang, In Ha Kim, Ji Yong Kim, Woon Heo, Ho-ki Min, Hee Jae Jun, Youn-Ho Hwang
Department of Thoracic and Cardiovascular Surgery, Inje University Haeundae Paik Hospital, Inje University College of Medicine, Busan Korea
- 110 **Factors Related to Contralateral Recurrence of Primary Spontaneous Pneumothorax**
Yong Jin Chang, Deog Gon Cho, Kyu Do Cho, Chul Ung Kang, Min Sub Jo
Department of Thoracic and cardiovascular Surgery, St. Vincent's Hospital, The Catholic University College of Medicine, Gyeonggi-do, Korea

10:30~11:00 *Coffee Break*



09:15~10:30

일반홍부 II (111~116 연제)

좌장: 문석환, 이진구

- 111 **Real-Time Computed Tomography Fluoroscopy Guided Solitary Lung Cancer Formation in a Rabbit Model**
 Hyun Koo Kim¹, Byeong Hyeon Choi¹, Hwan Seok Young², Yu Hua Quan¹, Jiyun Rho¹, Jae Seon Eo³,
 Kook Nam Han¹, Young Ho Choi¹
¹Department of Thoracic and Cardiovascular Surgery, Korea University Guro Hospital, Korea University College of Medicine, ²Department of Radiology, Korea University Guro Hospital, Korea University College of Medicine, ³Department of Nuclear Medicine, Korea University Guro Hospital, Korea University College of Medicine, Seoul, Korea
- 112 **Chemical Pleurodesis for Malignant Pleural Effusion: Talc vs Mistletoe**
 YongJin Chang, DeogGon Cho, KyuDo Cho, ChulUng Kang, MinSub Jo
 Department of Thoracic and Cardiovascular Surgery, St. Vincent's Hospital, The Catholic University College of Medicine, Gyeonggi-do, Korea
- 113 **Less Invasive Laryngeal Mask Airway Induction in VATS Wedge Resection for Pneumothorax**
 Jae Hoon Lee, Eui Suk Chung, Sung Joon Park
 Department of Thoracic and Cardiovascular Surgery, Inje University Sanggye Paik Hospital, Inje University College of Medicine, Seoul, Korea
- 114 **Early Outcome of Surgery for Thoracic Outlet Syndrome**
 Young Woo Do¹, Woo Sik Yu², Geun Dong Lee¹, Sungsoo Lee¹
¹Department of Thoracic and Cardiovascular Surgery, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, ²Department of Thoracic Surgery, Armed Forces Capital Hospital, Seongnam, Korea
- 115 **Experience of Trans-sternal Transpericardial Lung Resection in Advanced Lung Pathology**
 Joonsuk Park, Heesuk Jung, Dooyun lee
 Department of Thoracic and Cardiovascular Surgery, CHA Bundang Medical Center, CHA University College of Medicine, Gyeonggi-do, Korea
- 116 **Thoracoscopic Surgery for Esophageal Perforation by Ingested Foreign Body**
 Jeong Su Cho, Hyo Yeong Ahn, Yeong Dae Kim, Hoseok I, Jonggeun Lee, Jinseok Choi, Joohyung Son
 Department of Thoracic and Cardiovascular Surgery, Pusan National University Hospital, Pusan National University College of Medicine, Busan, Korea

10:30~11:00 Coffee Break

English Competition Forum



첫째날 2016. 10. 20(목)

장소: 그랜드볼룸 A

16:30~17:30

English Competition Forum I (1~7 연제)

좌장: 정재승, 이 삭

- E 01 **Outcomes of Coronary Artery Bypass Surgery in Octogenarian Patients**
Hangjun Choi, Hyun Song, Do Yeon Kim, Joonkyu Kang
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- E 02 **Surgical Outcomes of Primary Malignant Cardiac Tumors**
Bo Bae Jeon, Joon Bum Kim, Suk Jung Choo, Cheol Hyun Chung, Jae Won Lee, Sung-Ho Jung
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- E 03 **Late Improvement of Echocardiographic Parameters after Extended Pericardiectomy for Constrictive Pericarditis**
Min Soo Kim¹, Min Suk Choi², Pyo Won Park¹, Wook Sung Kim¹, Kiick Sung¹, Young Tak Lee¹, Ji-Hyuk Yang¹, Tae-Gook Jun¹, Yang Hyun Cho¹, Dong Seop Jeong¹
¹Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, ²Department of Thoracic and Cardiovascular Surgery, Eulji University Hospital, Eulji University College of Medicine, Daejeon, Korea
- E 04 **Moderate Hypothermic Circulatory Arrest With or Without Antegrade Cerebral Perfusion Based on the Extent of Aortic Arch Repair**
Youjung Ok, Bo Bae Jeon, Joon Bum Kim
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- E 05 **Outcome of Open Repair of Mycotic Thoracic and Abdominal Aortic Aneurysm**
Hyo-Hyun Kim, Seung-Hyun Lee, Young-Nam Youn, Sak Lee, Hyun-Chel Joo
Department of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
- E 06 **Inter-Facility Transport on Extracorporeal Life Support: Clinical Outcomes and Comparative Analysis with In-house Patients**
Tae Hee Hong, Heemoon Lee, Yang Hyun Cho, Kiick Sung, Ji-Hyuk Yang, Young Tak Lee
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine
- E 07 **Del Nido Cardioplegia in Adult Heart Valve Surgery: Beyond Single Valve Surgery**
Hong Rae Kim, Sung-Ho Jung, Suk Jung Choo, Cheol Hyun Chung, Jae Won Lee, Joon Bum Kim
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea

17:30~18:30

이사회

장소: 블루벨홀



16:30~17:30

English Competition Forum II (8~16 연제)

좌장: 김홍관, 강민웅

- E 08 Extended Sleeve Lobectomy for Locally Advanced NSCLC: A 20-Year Single Center Experience**
 Tae Hee Hong, Jong Ho Cho, Hong Kwan Kim, Yong Soo Choi, Jhingook Kim, Jae Il Zo, Young Mog Shim
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- E 09 Clinical Impacts of Blood Transfusion on Trauma Patients**
 Young Uk Lee, Jang Hoon Lee, Jong Hyun Baek
Department of Thoracic and Cardiovascular Surgery, Yeungnam University Medical Center, Yeungnam University College of Medicine, Daegu, Korea
- E 10 Pattern of Cervical Lymph node Metastasis and Efficacy of Cervical node Dissection in Esophageal Cancer**
 Yoonjin Kang, Kwanyong Hyun, Samina Park, Yoohwa Hwang, Hyun-Ju Lee, In kyu Park, Young Tae Kim, Chang Hyun Kang
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- E 11 Pleural Adhesion does Not Influence Recurrence and Survival after Lobectomy for T1-2N0 Lung Cancer**
 SeHa Ahn, YongJin Chang, DeogGon Cho, KyuDo Cho, ChulUng Kang, MinSub Jo
Department of Thoracic and Cardiovascular Surgery, St. Vincent's Hospital, The Catholic University College of Medicine, Gyeonggi-do, Korea
- E 12 The Identification of Aerogenous Spread is Poor Prognostic Factor in Squamous Cell Carcinoma of Lung**
 Bubse Na¹, Sukki Cho¹, Jin Haeng Chung², Kwhanmien Kim¹, Sanghoon Jheon¹
¹Department of Thoracic and Cardiovascular Surgery, ²Department of Pathology, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea
- E 13 Is Completion Lobectomy in NSCLC (≤ 2 cm) with Visceral Pleural Invasion or Lymphovascular Invasion after Sublobar Resection Necessary?**
 Jinwon Shin, Youngkyu Moon, Jae Kil Park, Sook Whan Sung
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- E 14 Outcomes of Multidisciplinary Treatment Including Surgery in Malignant Pleural Mesothelioma**
 Ji Seong Kim, Kwan Yong Hyun, Samina Park, Yoohwa Hwang, Hyun Joo Lee, In Kyu Park, Chang Hyun Kang, Young Tae Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- E 15 Efficacy of Single Port VATS Lobectomy in Lung Cancer (Compared with Triple Port VATS)**
 Kyung Sub Song, Chang Kwon Park
Department of Thoracic and Cardiovascular Surgery, Dongsan Hospital, Keimyung University Dongsan Medical Center, Keimyung University School of Medicine, Daegu, Korea
- E 16 Pre-operative Corticosteroid use and Early Postoperative Bronchial Anastomotic Complication after Lung Transplantation**
 Ha-Eun Kim, Won Gi Woo, Ha Eun Kim, Hyun Geun Cho, Hyo Chae Paik, Jin Gu Lee
Department of Thoracic and Cardiovascular Surgery, Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

17:30~18:30

이사회

장소: 블루벨홀



16:30~17:30

English Competition Forum III (17~21 연제)

좌장: 박정준, 양지혁

- E 17 **Pediatric Heart Transplantation in Severance Hospital: 12 Year Experiences**
 Won Gi Woo, Yu Rim Shin, Young Hwan Park, Han Ki Park
Division of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
- E 18 **Comprarison of the Outcome after Surgical Procedures for Repair of Partial Anomalous Pulmonary Venous Return with Sinus Venosus-type Atrial Septal Defect: Incidence of Postoperative Arrhythmia**
 Yu-Jin Kwak¹, Kay-Hyun Park², Cheong Lim²
¹*Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul,* ²*Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea*
- E 19 **Outcomes of Surgjical Repair of Coarctation of the Aorta after Childhood**
 Hyo Hyun Kim, Yu Rim Shin, Young Ho Yang, Young-Hwan Park, Han Ki Park
Department of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
- E 20 **Routine use of Vacuum-assisted Closure in Children with Sternal Wound Dehiscence: A 10-year Experience**
 Yeong Jeong Jeon, Yang Hyun Cho, Dong Seop Jeong, Kiick Sung, Wook Sung Kim, Young Tak Lee, Pyo Won Park, Tae-Gook Jun, Ji-Hyuk Yang
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- E 21 **Early Experience of Right Ventricular outflow Tract Reconstruction using Contegra Bovine Jugular Vein Conduit in Children**
 Bo Bae Jeon, Jong Yoon Park, Won Kyoum Park, Chun Soo Park, Jeong-Jun Park, Tae-Jin Yun
Division of Pediatric Cardiac Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea

17:30~18:30

이사회

장소: 블루벨홀



둘째날 2016. 10. 21(금)

장소: 그랜드볼룸 A

10:30~12:00

포럼 I (1~8 연제)

좌장: 최재성, 김근직

- F 01** Left Heart Decompression in Venoarterial Extracorporeal Life Support: Experience between 2014 and 2016
Hongsun Kim, Yang Hyun Cho, Kiick Sung, Ji-Hyuk Yang, Tae-Gook Jun, Pyo Won Park, Young Tak Lee, Wook Sung Kim, Dong Seop Jeong
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- F 02** Wet Primed Extracorporeal Circuit for Up to 30 Days.
Yoon Sang Chung, Dai Yun Cho, Dong Seop Sohn, Byung Joon Park, Joonhwa Hong
Department of Thoracic and Cardiovascular Surgery, Chung-Ang University Hospital, Chung-Ang University College of Medicine, Seoul, Korea
- F 03** Risk Factors for Survival Following Open Surgical Repair of Ruptured Abdominal Aortic Aneurysm: A 8-year Experience
Won-Gi Woo¹, Tae-Hoon Kim¹, Suk-won Song¹, Min-young Baek¹, Kyung-Jong Yoo², Bum-Koo Cho²
¹*Department of Thoracic and Cardiovascular Surgery, Gangnam Severance Hospital, Yonsei University College of Medicine,* ²*Department of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea*
- F 04** Thoracic Endovascular Stent Graft Repair (TEVAR) for Acute Traumatic Transection of the Descending Thoracic Aorta
Joung Taek Kim, Ji Hye Kim, Yong Sam Kim, Yonh Han Yoon, Wan Ki Bæk
Department of Thoracic and Cardiovascular Surgery, Inha University Hospital, Inha University College of Medicine, Incheon, Korea
- F 05** Cardiac Surgery under Closed Cardiopulmonary Bypass Systems
Min Suk Choi, Jin Ho Choi
Department of Thoracic and Cardiovascular Surgery, Eulji University Hospital, Eulji University College of Medicine, Daejeon, Korea
- F 06** The Effect of False Lumen Procedures during Thoracic Endovascular Aortic Repair in Patients with Chronic DeBakey IIIb Aneurysm
Tae-Hoon Kim¹, Suk-Won Song¹, Kwang-Hun Lee², Won-Ki Woo¹, Min-Young Baek¹, Kyung-Jong Yoo³, Bum-Koo Cho³
¹*Department of Thoracic and Cardiovascular Surgery, Gangnam Severance Hospital, Yonsei University College of Medicine,* ²*Department of Radiology, Gangnam Severance Hospital, Yonsei University College of Medicine,* ³*Department of Thoracic and Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea*
- F 07** Extra-anatomic Abdomen-sparing Ascending Aorto-femoral Artery Bypass Surgery Showed Good Patency in the Patients Who had Mid-aortic Disease
Doosang Kim, Jungeun Kim, Hyungho Park, Taekyu Kim, Dongju Yun, Jungmoon Kim
Department of Thoracic and Cardiovascular Surgery, Veterans Health Service Medical Center, Seoul, Korea
- F 08** Bedside PICC Insertion in the ICU using Transesophageal Echocardiography
Dong Jung Kim, Kwak You Jin, Jung Hee Kim, Su Ryeun Chung, Cheong Lim, Kay-Hyun Park
Department of Thoracic and Cardiovascular Surgery, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Gyeonggi-do, Korea



10:30~12:00

포럼 II (9~21 연제)

좌장: 조석기, 함석진

- F 09 Suture Fixation of Polyglycolic Acid Sheet after Thoracoscopic Bullectomy in Primary Spontaneous Pneumothorax**
 Hyeon Jong Moon, Jae-Sung Choi, Se Jin Oh, Jeong Sang Lee, Yong Won Seong
Department of Thoracic and Cardiovascular Surgery, SMG-SNU Boramae Medical Center, Seoul National University College of Medicine, Seoul, Korea
- F 10 Best Quality Repair of Pectus Excavatum: The Cross Bar & Bridge Technique**
Hyung Joo Park, Kyung Soo Kim, Young Kyu Moon, Mi Hyoung Moon, Min Namkoong, Jiyun Lee, Hyo Chan Ahn
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- F 11 The New Method of Skin Closure and Pleural Drainage using ZipLine[®] and Flexible Silicon Drain in Single Port VATS Wedge Resection.**
Jinwook Hwang, Byung-Ju Min, Won-Min Jo, Jae Seung Shin
Department of Thoracic and Cardiovascular Surgery, Korea University Ansan Hospital, Korea University College of Medicine, Gyeonggi-do, Korea
- F 12 Non-intubated Video-assisted Thoracoscopic Surgery(VATS) Lobectomy for Early Stage Lung Cancer: Initial Experience of 2 Cases**
Youngkyu Moon¹, Joon Pyo Jeon², Wonjung Hwang², Yunho Kim¹, Sook Whan Sung¹
¹*Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine,* ²*Department of Anesthesiology, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea*
- F 13 Does Single Port Thoracoscopic Surgery Provide Less Postoperative Pain in Primary Spontaneous Pneumothorax?**
Hyun Woo Jeon, Young-Du Kim
Department of Thoracic and Cardiovascular Surgery, Bucheon St. Mary's Hospital, The Catholic University College of Medicine, Gyeonggi-do, Korea
- F 14 Surgical Outcome of Colon Interposition in Esophageal Cancer Surgery.**
 Seung-Il Park, Dong Kwan Kim, Yong-Hee Kim, Se Hoon Choi, Kanghoon Lee, Su Kyung Hwang, Jin San Bok, Han Pil Lee, Byung Kwon Chong, Hyeong Ryul Kim
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- F 15 Identification of Metastatic Pulmonary Nodule using Intravenous Injection of ICG: A Pilot Study**
Kook Nam Han, Hyun Koo Kim, Young Ho Choi
Department of Thoracic and Cardiovascular Surgery, Korea University Guro Hospital, Korea University College of Medicine, Seoul, Korea
- F 16 Thoracic Duct Embolization for Treatment of Chylothorax**
 Seok Jin Haam, Joonho Jung, Jiye Park, Seong Yong Park
Department of Thoracic and Cardiovascular Surgery, Ajou University Hospital, Ajou University School of Medicine, Gyeonggi-do, Korea
- F 17 Prognostic Significance of Visceral Pleural Invasion in Pathologic Stage I NSCLC**
Seon-hyun Hwang, Chi Hoon Bae, Wook Su Ahn, Ki Sung Park
Department of Thoracic and Cardiovascular Surgery, Daegu Catholic University Medical Center, Daegu Catholic University College of Medicine, Daegu, Korea



- F 18 **What is Difficult to do Video-assisted Thoracic Surgery (VATS)?: Comparative Study between VATS Anatomical Resections and Conversion to Thoracotomy for Lung Cancer**
Jong-Myeon Hong, Si-Wook Kim, Hong Ju Shin, Do Hun Kim
Department of Thoracic and Cardiovascular Surgery, Chungbuk National University Hospital, Chungbuk National University College of Medicine, Chungcheongbuk-do, Korea
- F 19 **Prognostic Effect of Repeated Pulmonary Metastasectomy in Colorectal Cancer Patients with Intrapulmonary Recurrences after Curative Pulmonary Metastasectomy.**
Samina Park, In Kyu Park, Kwanyong Hyun, Yoohwa Hwang, Hyun Joo Lee, Chang Hyun Kang, Young Tae Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- F 20 **Feasibility of Lobectomy and Mediastinal node Dissection by Video-assisted Thoracoscopic Surgery Following Neoadjuvant Chemoradiation Therapy for Stage IIIA N2 Non-small Cell Lung Cancer**
Yeong Jeong Jeon, Yong Soo Choi
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- F 21 **Feasibility of Barbed Suture Material Technique for Concomitant Wound Closure and Tube Placement in Single Port VATS for Pneumothorax**
Kyung Soo Kim, Jiyun Lee, Jungsuk Choi, Jinwon Shin, Min Namkoong
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea



10:30~12:00

포럼 III (22~29 연제)

좌장: 김재범, 강신광

- F 22 **Clinical Outcomes of Robotic Mitral Valve Repair: "A Single-center Experience in Korea"**
 Ho Jin Kim, Joon Bum Kim, Sung Ho jung, Suk Jung Choo, Cheol Hyun Chung, Jae Won Lee
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- F 23 **Thoracoscopic Ablation Only Versus Staged Hybrid Procedure in Persistent Atrial Fibrillation: A Prospective Randomized Controlled Trial**
 Chang-Seok Jeon, Dong Seop Jeong
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- F 24 **The Comparison of Long-term Clinical Outcomes after off-pump Coronary Artery Bypass between the Bilateral Internal Thoracic Artery and Single Internal Thoracic Artery in Elderly Patients.**
 Do Jung Kim, Hyun-chel Joo, Seung-hyun Lee, Sak Lee, Byung-Chul Chang, Kyung-Jong Yoo, Young-Nam Youn
Department of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea
- F 25 **Aortic Valve Replacement with Sutureless Valve in High-risk Patients**
 Soonchang Hong, Chun Sung Byun, Chang Hwan Kim, Sang Heon Lee, Myo Sik Park, Eun Young Park, Woo Jung Lee, Eun Ah Jo, Il Whan Park, Joong Whan Oh
Department of Thoracic and Cardiovascular Surgery, Wonju Severance Christian Hospital, Yonsei University College of Medicine, Gangwon-do, Korea
- F 26 **Valve Replacement Surgery in Severe Chronic Kidney Disease**
 Min Ho Ju, Sung-Ho Jung, Suk Jung Choo, Cheol Hyun Chung, Jae Won Lee, Joon Bum Kim
Department of Thoracic and Cardiovascular Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea
- F 27 **The Early Clinical Benefits of Anaortic Off-pump CABG Compared to Aortic Manipulated Off-pump CABG**
 Jae Woong Choi, Sang Yoon Yeom, Sue Hyun Kim, Ki-Bong Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- F 28 **Anastomotic Pseudoaneurysm Combined with Graft Thrombosis Following Interposition Arteriovenous Graft for Hemodialysis**
 Sun Kyun Ro, Seung Hyuk Nam, Chul Burm Lee
Department of Thoracic and Cardiovascular Surgery, Hanyang University Guri Hospital, Hanyang University College of Medicine, Gyeonggi-do, Korea
- F 29 **Surgical Outcomes of Forearm Arteriovenous Fistulae Using Tapered and Straight Grafts**
 Pil Won Seo, Sun Han, Jae Wook Ryu
Department of Thoracic and Cardiovascular Surgery, Dankook University Hospital, Dankook University College of Medicine, Chungcheongnam-do, Korea



일시: 2016. 10. 20(목)~22(토)

장소: 지하1층 로비

- 01 Redo-Rastelli Operation with Nuss Operation for Relieving the Compression of an Extracardiac Conduit and Coronary Arteries**
 Pill Jo Choi, Sung Sil Yoon, Jae Wha Chung, Yong Seok Lee, Siho Kim
Department of Thoracic and Cardiovascular Surgery, Dong-A University Hospital, Dong-A University College of Medicine, Busan, Korea
- 02 심방중격결손 이상 교정 후 장기간 용적부하감소가 있었던 우심실의 기능 및 용적 회복**
조현근, 신유림, 박영환, 박한기
연세대학교 의과대학 심장혈관병원
- 03 Concomitant Repair of Vascular Ring With Kommerell's Diverticulum and Ventricular Septal Defect**
Min Namkoong, Do Yeoun Kim, Cheul Lee
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- 04 Management of Left Ventricular Thrombus Detected in the Perioperative Period of Coronary Artery Bypass Grafting**
Hyung Tae Sim, Hyoung Woo Chang, Jae Suk Yoo, Dong Jin Kim, Kwang Ree Cho
Department of Thoracic and Cardiovascular Surgery, Sejong General Hospital, Gyeonggi-do, Korea
- 05 Relationship between Coronary Disease and Anatomical Classification of the Cardiac Veins**
Su Wan Kim¹, Joon Hyouk Choi²
¹*Department of Thoracic and Cardiovascular Surgery,* ²*Department of Cardiology, Jeju National University Hospital, Jeju National University College of Medicine, Jeju, Korea*
- 06 Stent Thrombosis after Short-term Discontinuation of P2Y12 Inhibitor (Ticagrelor) Followed by Elective Coronary Artery Bypass Grafting**
Sun Kyun Ro, Seung Hyuk Nam, Chul Burm Lee
Department of Thoracic and Cardiovascular Surgery, Hanyang University Guri Hospital, Hanyang University College of Medicine, Gyeonggi-do, Korea
- 07 The Effects of Coronary Artery Bypass Surgery in Patient with Ischemic Dilated Cardiomyopathy**
Young Uk Lee, Myeong Su Lee, Seok Soo Lee, Jong Hyun Baek, Jang Hoon Lee, Tae Eun Jung, Jung Cheul Lee, Dong Hyup Lee
Department of Thoracic and Cardiovascular Surgery, Yeungnam University Medical Center, Yeungnam University College of Medicine, Daegu, Korea
- 08 The Hemodynamic Energy Delivery Amount to the both Carotid Arteries are Different by Aortic Cannula Geometries in a Patient Specific 3D Printed Mock System**
 Chi Bum Ahn¹, Jin Woo Lee¹, Chang Hu Choi², Chul Hyun Park², Kook Yang Park², Kuk Hui Son²
¹*Department of Molecular Medicine, Gachon University Graduate School of Medicine,* ²*Department of Thoracic and Cardiovascular Surgery, Gachon University Gil Medical Center, Gachon University College of Medicine, Incheon, Korea*
- 09 Feasibility of the 3D Printed Patient Specific Mock System to Test the Hemodynamic Energy during Extracorporeal Circulation**
 Chi Bum Ahn¹, Jin Woo Lee¹, Chang Hu Choi², Chul Hyun Park², Kook Yang Park², Kuk Hui Son²
¹*Department of Molecular Medicine, Gachon University Graduate School of Medicine,* ²*Department of Thoracic and Cardiovascular Surgery, Gachon University Gil Medical Center, Gachon University College of Medicine, Incheon, Korea*



- 10 **Eleven Cardiac Operations for Recurrent Cardiac Myxomas with Typical Endocrinal Tumors in a Family : Carney Complex**
Sung Joon Han, Hao Jun Cui, Roknuggaman, Hyun Jin Cho, Min-Woong Kang, Jae Hyeon Yu, Shinkwang Kang, Myung Hoon Na
Department of Thoracic and Cardiovascular Surgery, Chungnam National University Hospital, Chungnam National University College of Medicine, Daejeon, Korea

- 11 **Fluid Analysis of the Early Postoperative Chest Tube Drainage for the Early Diagnosis of the Post-sternotomy Mediastinitis**
Yochun Jung¹, Kyo Seon Lee¹, Gwan Sic Kim¹, In Seok Jeong¹, Sang Gi Oh¹, Kook Joo Na², Byoung Hee Ahn¹
¹*Department of Thoracic and Cardiovascular Surgery, Chonnam National University Hospital, Chonnam National University College of Medicine, Gwangju,* ²*Department of Thoracic and Cardiovascular Surgery, Chonnam National University Hwasun Hospital, Chonnam National University College of Medicine, Jeollanam-do, Korea*

- 12 **Iatrogenic Cardiac Injury: 6 Years Experience at the Single-center**
Do Wan Kim, Sang Gi Oh, Kyo Seon Lee, Gwan Sic Kim, Yochun Jung, Seung Ku Kang, Kook Joo Na, In Seok Jeong
Department of Thoracic and Cardiovascular Surgery, Chonnam National University Hospital, Chonnam National University College of Medicine, Gwangju, Korea

- 13 **Right Atrial Reconstruction after Removal of Huge Right Atrial Lipoma.**
Se Min Ryu, Sung-Min Park, Kyung-Hak Lee, Seong-Joon Cho, Se-Ran Yang, Jeong-Ran Park, Ki Hwan Kim, Jung Eui Yun, Mi Sun Bok
Department of Thoracic and Cardiovascular Surgery, Kangwon National University Hospital, Kangwon National University College of Medicine, Gangwon-do, Korea

- 14 **Thoracic Aortic Aneurysm Associated with Pseudocoarctation**
Jin Hong Wi¹, Hyoung Chae Lee², Kyung-Taek Park¹, Il-Yong Han¹, Young Chul Yoon¹, Yang-Haeng Lee¹
¹*Department of Thoracic and Cardiovascular Surgery, Inje University Busan Paik Hospital, Inje University College of Medicine, Busan,* ²*Department of Thoracic and Cardiovascular Surgery, Dongkang Medical Center, Ulsan, Korea*

- 15 **Total Arch Replacement of Retrograde Type A Aortic Dissection after TEVAR**
김관욱¹, 하승일¹, 이상빈¹, 장병철², 이 건¹
¹*Department of Thoracic and Cardiovascular Surgery, CHA Bundang Medical Center, CHA University College of Medicine, Gyeonggi-do,* ²*Division of Cardiovascular Surgery, Severance Cardiovascular Hospital, Yonsei University College of Medicine, Seoul, Korea*

- 16 **How Old is too Old for Life Saving Heart Surgery? (Ascending and Hemiarch Replacement in 97 Year old Patient)**
Hyung Chae Lee¹, Ji Ha Lee¹, Sun Jin Joo¹, Jing Hong Wi²
¹*Department of Thoracic and Cardiovascular Surgery, Dongkang Medical Center, Ulsan,* ²*Department of Thoracic and Cardiovascular Surgery, Inje University Busan Paik Hospital, Inje University College of Medicine, Busan Korea*

- 17 **Mycotic Common Iliac Artery Aneurysm Infected by Candida Albicans**
Jin Hong Wi¹, Hyoung Chae Lee², Kyung-Taek Park¹, Il-Yong Han¹, Young Chul Yoon¹, Yang-Haeng Lee¹
¹*Department of Thoracic and Cardiovascular Surgery, Inje University Busan Paik Hospital, Inje University College of Medicine, Busan,* ²*Department of Thoracic and Cardiovascular Surgery, Dongkang Medical Center, Ulsan, Korea*

- 18 **Rare Cause of Acute Upper Limb Ischemia: Hyperhomocysteinemia**
Se Min Ryu, Sung-Min Park, Kyung-Hak Lee, Seong-Joon Cho, Se-Ran Yang, Jeong-Ran Park, Ki Hwan Kim, Jung Eui Yun, Mi Sun Bok
Department of Thoracic and Cardiovascular Surgery, Kangwon National University Hospital, Kangwon National University College of Medicine, Gangwon-do, Korea



- 19 **ARDS after Bilobectomy due to Bronchial Rupture cause Falling down Injury**
 Young Sam Kim¹, Joung Teak Kim¹, Wan Ki Baek¹, Jin Hwea Beak², Jung Soo Kim³, Yong Han Yoon¹
¹Department of Thoracic and Cardiovascular Surgery, Inha University Hospital, Inha University College of Medicine, ²Emergency Medicine, Inha University Hospital, Inha University College of Medicine, ³Internal Medicine3, Inha University Hospital, Inha University College of Medicine, Incheon, Korea
- 20 **Various Techniques for Distal Limb Perfusion during Extracorporeal Membrane Oxygenation - Usefulness of Bedside Ultrasound and Angiography**
Min Suk Choi, Jin Ho Choi
Department of Thoracic and Cardiovascular Surgery, Eulji University Hospital, Eulji University College of Medicine, Daejeon, Korea
- 21 **Aortic Valve Reconstruction using Autologous Pericardium (AV Neo Procedure)**
Jae Hyun Kim, Jae Bum Kim, Woo Sung Jang, Sae Young Choi
Department of Thoracic and Cardiovascular Surgery, Keimyung University Dongsan Medical Center, Keimyung University School of Medicine, Daegu, Korea
- 22 **Coronary Occlusion after the Manouguian Procedure in a Patient with a Single Coronary Artery: A Case Report**
Yochun Jung¹, Gwan Sic Kim¹, Kyo Seon Lee¹, In Seok Jeong¹, Sang Gi Oh¹, Kook Joo Na², Kye Hun Kim³, Byoung Hee Ahn¹
¹Department of Thoracic and Cardiovascular Surgery, Chonnam National University Hospital, Chonnam National University College of Medicine, Gwangju, ²Chonnam National University Hwasun Hospital, Chonnam National University College of Medicine, Jeollanam-do, ³Department of Cardiovascular Medicine, Chonnam National University Hospital, Chonnam National University College of Medicine, Gwangju, Korea
- 23 **Early Hemodynamic findings of St Jude Medical Trifecta Pericardial Valve**
 Hyung Tae Sim, Hyoung Woo Chang, Jae Suk Yoo, Kwang Ree Cho, Dong Jin Kim
Department of Thoracic and Cardiovascular Surgery, Sejong General Hospital, Gyeonggi-do, Korea
- 24 **Rupture of Anterolateral Papillary Muscle after Blunt Chest Trauma**
 Ji Ha Lee², Sun Jin Joo², Ho-Ki Min², Hyung Chae Lee¹
¹Department of Thoracic and Cardiovascular Surgery, Dongkang Medical Center, Ulsan, ²Inje University Haeundae Paik Hospital, Inje University College of Medicine, Busan Korea
- 25 **Simultaneous Decompressive Craniectomy and Mitral Valve Replacement in Patient with Large Embolic Stroke Complicating Infective Endocarditis**
Sang-Ho Cho¹, Dae Hyun Kim¹, Young Tae Kwak¹, Joo-Chul Park¹, Hyo Chul Yoon², Soo-Cheol Kim², Bum-Sik Kim²
¹Department of Thoracic and Cardiovascular Surgery, Kyung Hee University Hospital at Gangdong, Kyung Hee University College of Medicine, ²Department of Thoracic and Cardiovascular Surgery, Kyung Hee University Hospital, Kyung Hee University College of Medicine, Seoul, Korea
- 26 **Tracheoesophageal Fistulectomy using Endoscopic Guidewire: Case Report**
Jinwon Shin, Youngkyu Moon, Sook Whan Sung
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- 27 **A Life-threatening Bronchogenic Cyst**
Sung Joon Han, Hao Jun Cui, Roknuggaman, Hyun Jin Cho, Min-Woong Kang, Jae Hyeon Yu, Myung Hoon Na, Shin Kwang Kang
Department of Thoracic and Cardiovascular Surgery, Chungnam National University Hospital, Chungnam National University College of Medicine, Daejeon, Korea



- 28 **Recurrent Primitive Neuroectodermal Tumor in the Chest Wall 16 Years after First Operation**
Young Sam kim, Joung Teak Kim, Wan ki Baek, Yong Han Yoon
Department of Thoracic and Cardiovascular Surgery, Inha University Hospital, Inha University College of Medicine, Incheon, Korea
- 29 **Spontaneous Regression of Bilateral Giant Bullae of COPD Patient**
Se Min Ryu, Sung-Min Park, Kyung-Hak Lee, Seong-Joon Cho, Se-Ran Yang, Jeong-Ran Park, Ki Hwan Kim, Jung Eui Yun, Mi Sun Bok
Department of Thoracic and Cardiovascular Surgery, Kangwon National University Hospital, Kangwon National University College of Medicine, Gangwon-do, Korea
- 30 **A Successfully Treated Case using Tractotomy Technique for a Penetrating Lung Injury in One-lung Patient**
Seong Ho Moon¹, Dong Hoon Kang², In Seok Jang¹, Jung Hoon Byun¹, Hyun Oh Park¹, Jong Woo Kim¹, Sung Hwan Kim¹
¹Department of Thoracic and Cardiovascular Surgery, Gyeongsang National University Changwon Hospital, Gyeongsang National University School of Medicine, ²Department of Thoracic and Cardiovascular Surgery, Gyeongsang National University Hospital, Gyeongsang National University School of Medicine, Gyeongnam, Korea
- 31 **Surgical Treatment of Abdominal Aorta Occlusion after Blunt Trauma**
Chun Sung Byun, Il Hwan Park, Soonchang Hong, Joong Hwan Oh
Department of Thoracic and Cardiovascular Surgery, Wonju Severance Christian Hospital, Yonsei University College of Medicine, Gangwon-do, Korea
- 32 **대동맥 내 풍선 폐색술(Resuscitative Endovascular Balloon Occlusion of the Aorta, REBOA)을 사용한 중증 외상 환자의 병원 간 이송 경험 - 증례보고 -**
문중환¹, 최동환¹, 강병희¹, 권준식¹, 이국종¹, 임상현²
아주대학교 의과대학¹외과학교실 외상외과, ²홍부외과학교실
- 33 **Primary Mediastinal Dedifferentiated Liposarcoma with Pleural Effusion**
Ju Sik Yun, Sang Yun Song, Seok Kim, Kook Joo Na
Department of Thoracic and Cardiovascular Surgery, Chonnam National University Hospital, Chonnam National University College of Medicine, Gwangju, Korea
- 34 **Non-intubated Thoracoscopic Pleurodesis for Refractory Pneumothorax in Patients with Pneumoconiosis**
Kyung Soo Kim, June Lee, Seha Ahn, Jinwon Shin
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- 35 **Pericardial Window Operation using the 1 cm Length's Single Port VATS Incision**
Jiyun Lee, Seokbeom Hong, Hangjun Choi, Kyung Soo Kim
Department of Thoracic and Cardiovascular Surgery, Seoul St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea
- 36 **폐암 환자에서 폐용적은 종양 크기에 따라 감소하는가?**
문현중¹, 성용원¹, 최재성¹, 오세진¹, 최애라², 조 현², 진광남²
서울특별시 보라매병원¹흉부외과, ²영상의학과
- 37 **Supraclavicular Transposition of Aberrant Left Vertebral Artery for Hybrid Treatment of Aortic Arch Aneurysm**
Kyo Seon Lee, Gwan Sic Kim, Yochun Jung, In Seok Jeong, Kook Joo Na, Bong Suk Oh, Byung Hee Ahn, Sang Gi Oh
Department of Thoracic and Cardiovascular Surgery, Chonnam National University Hospital, Chonnam National University College of Medicine, Gwangju, Korea



일시: 2016. 10. 20(목)~22(토)

장소: 지하1층 로비

38 Thoracic Dimensional Changes after Nuss Procedure for Pectus Excavatum

Eun Young Rha¹, Jin Yong Jeong², Gyeol Yoo³, Sung Bo Sim⁴, Keon Hyon Jo⁵

¹Department of Plastic Surgery, Incheon St. Mary's Hospital, The Catholic University College of Medicine, Incheon,

²Department of Thoracic and Cardiovascular Surgery, Incheon St. Mary's Hospital, The Catholic University College of Medicine, Incheon, ³Department of Plastic Surgery, Yeouido St. Mary's Hospital, The Catholic University College of Medicine, Seoul, ⁴Department of Thoracic and Cardiovascular Surgery, St. Paul's hospital, College of Medicine, The Catholic University College of Medicine, Seoul, ⁵Department of Thoracic and Cardiovascular Surgery, Seoul

St. Mary's Hospital, The Catholic University College of Medicine, Seoul, Korea

Video Session



셋째날 2016. 10. 22(토)

장소: 그랜드볼룸 A

11:00~12:00

Video Session (1~8 연제)

좌장: 박남희, 조정수

- V 01 **Minimally Invasive LVAD Implantation in a Patient on Extracorporeal LVAD**
Kiick Sung, Ji-Hyuk Yang, Tae-Gook Jun, Pyo Won Park, Young Tak Lee, Wook Sung Kim, Dong Seop Jeong, Yang Hyun Cho
Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea
- V 02 **Rusanov Technique for Distal Esophageal Cancer in a Patient with a History of Subtotal Gastrectomy**
Kwanyong Hyun, Chang Hyun Kang, Samina Park, Yoohwa Hwang, Hyun Joo Lee, In Kyu Park, Young Tae Kim
Department of Thoracic and Cardiovascular Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea
- V 03 **Surgical Treatment of Atrial Septal Occluder-related Complications: Mitral Valve Perforation and Aggravated Mitral Regurgitation**
Jae Suk Yoo, Hyoung Tae Shim, Hyoung Woo Chang, Dong Jin Kim, Kwang Ree Cho
Department of Thoracic and Cardiovascular Surgery, Sejong General Hospital, Gyeonggi-do, Korea
- V 04 **Image-guided Thoracoscopic Pulmonary Metastasectomy Using Near Infrared Thoracoscope**
Kook Nam Han, Hyun Koo Kim, Young Ho Cho
Department of Thoracic and Cardiovascular Surgery, Korea University Guro Hospital, Korea University College of Medicine, Seoul, Korea
- V 05 **Surgical Ventricular Restoration in Patient with Large Anterior Left Ventricular Aneurysm**
Sang-Ho Cho¹, Dae Hyun Kim¹, Young Tae Kwak¹, Joo-Chul Park¹, Hyo Chul Yoon², Soo-Cheol Kim², Bum-Sik Kim²
¹*Department of Thoracic and Cardiovascular Surgery, Kyung Hee University Hospital at Gangdong, Kyung Hee University College of Medicine, ²Department of Thoracic and Cardiovascular Surgery, Kyung Hee University Hospital, Kyung Hee University College of Medicine, Seoul, Korea*
- V 06 **Supraclavicular Decompression for Thoracic Outlet Syndrome**
Young Woo Do¹, Woo Sik Yu², Geun Dong Lee¹, Sungsoo Lee¹
¹*Department of Thoracic and Cardiovascular Surgery, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, ²Department of Thoracic Surgery, Armed Forces Capital Hospital, Seongnam, Korea*
- V 07 **Importance of Concomitant Abnormal Papillary Muscle Resection in Patients with Hypertrophic Obstructive Cardiomyopathy**
Dai Yun Cho, Dong Suep Sohn, Yoon Sang Chung, Byung Joon Park, Joonhwa Hong
Department of Thoracic and Cardiovascular Surgery, Chung-Ang University Hospital, Chung-Ang University College of Medicine, Seoul, Korea
- V 08 **The Lifting Technique for Left Recurrent Laryngeal Nerve Lymph nodes Dissection in Esophageal Cancer**
Seong Yong Park, Seokjin Haam, Joonho Jung
Department of Thoracic and Cardiovascular Surgery, Ajou University Hospital, Ajou University School of Medicine, Gyeonggi-do, Korea

대한흉부심장혈관외과학회
여의사회 창립 총회
프 로 그 램



일시: 2016. 10. 20(목) 12:00~14:00

장소: 대구 호텔인터볼고 엑스코 블루벨홀(B1)

식 순

1부: 12:00~13:00

1. 개회사
2. 대한흉부외과 여의사회 회장 인사
3. 축사
 - 1) 국회의원 주호영
 - 2) 연세대학교 강남세브란스병원 신의진 교수 (19대 국회의원)
 - 3) 한국여자의사회 부회장
 - 4) 대한흉부심장혈관외과학회 회장
 - 5) 대한흉부심장혈관외과학회 이사장
4. 한국 흉부외과 학회 여의사 활동 역사 및 현황

2부: 13:00~14:00 : 식사와 함께 진행

1. 대한 흉부외과 여의사회 회원 소개
2. 총회 참석자 소개 및 축사

대한흉부심장혈관외과학회
제6차 흉부외과 지도전문의 교육
프 로 그 램



일시: 2016. 10. 21(금)

장소: 대구 호텔인터볼고 엑스코 블루벨홀(B1)

시 간	교육내용	연 자
08:30~09:00	전공의 연차별 수련 목표 및 내용	정인석(전남대학교병원)
09:00~09:30	전문의 자격시험 및 취득 요건	최창휴(가천대학교 길병원)
09:30~10:00	전공의 수련 프로그램의 효과적인 평가방법	이석재(제주대학교병원)

대한흉부심장혈관외과학회
심장혈관 발전 세미나
프로그래밍



일시: 2016. 10. 21(금) 15:30~17:00

장소: 대구 호텔인터불고 엑스코 블루벨홀(B1)

좌장: 안 혁(서울대학교병원), 신성호(울지대학교 을지병원)

1. 심장판막질환 조기진단 활성화

- 13:30~13:40 심장판막질환진단의 국내외상황 및 개선방향
- 대동맥판막협착을 중심으로 - 조양현(성균관대학교 삼성서울병원)
- 13:40~13:50 퇴행성 심장판막질환의 예방 및 진단활성화를 위한 공공의료의 역할
김혜경(대한공공의학회 이사장, 수원시 장안구 보건소)
- 13:50~14:00 토 의

2. 경피적대동맥판막삽입술에서 흉부외과의 역할 및 하트팀의 역할 재정립

- 14:00~14:10 경피적 대동맥판막삽입술의 국내현황 및 전망 신성호(울지대학교 을지병원)
- 14:10~14:20 The Role of Cardiovascular Surgeon in Heart Team of TAVR
Michael J. Reardon, MD (Methodist DeBakey Heart & Vascular Center, USA)
- 14:20~14:30 Discussion 지정토론자: 홍준화(중앙대학교병원)

3. 대동맥내 스텐트를 포함한 혈관 중재술 활성화

- 14:30~14:40 TEVAR, EVAR 국내 현황 및 흉부외과의 역할 허 균(순천향대학교 부천병원)
- 14:40~14:50 The Role of Cardiovascular Surgeon in Aortic Intervention
- Based on Taiwan Experience -
Chih-Yang Chan, MD (Taiwan National University Hospital)
- 14:50~15:00 Discussion 지정토론자: 송석원(연세대학교 강남세브란스병원)

대한흉부심장혈관외과학회
RIB FIXATION FORUM
프 로 그 램



일시: 2016. 10. 21(금) 13:30~15:30

장소: 대구 호텔인터불고 엑스코 블루벨홀(B1)

좌장: 이석기, 전양빈 (Group of Trauma and Surgical Critical Care)

- 15:00~15:30 Introduction: Fixation of Rib Fracture 황정주(을지대학교병원)
- 15:30~16:00 Global Trends in Thoracic Fixation
Rob Johnston (Zimmer Biomet, Global Thoracic Manager)
- 16:00~16:30 Pitfall in Rib Fixation 조현민(부산대학교병원)
- 16:30~17:00 Panel Discussion: Case Study