### Session 1 Coronary Oral

#### Chairman: T Aberg F Beyersdorf

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<td>CONVERSIONS TO ON PUMP CABG SURGERY FROM BEATING HEART: RESULT FROM A RANDOMIZED CONTROLLED TRIAL</td>
<td>J. Legare; K. J. Buth; G. M. Hirsch Dalhousie University, Halifax, Canada</td>
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<td>HEALTH-RELATED QUALITY OF LIFE AFTER PERCUTANEOUS CORONARY INTERVENTION VERSUS CORONARY ARTERY BYPASS GRAFTING IN PATIENTS WITH ACUTE CORONARY SYNDROMES WITHOUT ST SEGMENT ELEVATION. 12-MONTH FOLLOW UP.</td>
<td>B. Szygula-Jurkiewicz¹; M. Zembala²; R. Przybylski²; K. Wilczek¹; J. Pacholewicz²; T. Styn²; M. Gasior¹; L. Polonski¹ ¹Department of Cardiology Silesian Centre for Heart Disease, Zabrze, Poland; ²Department of Cardiac Surgery and Transplantology Silesian Centre for Heart Disease, Zabrze, Poland</td>
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<td>DOES SIZE MATTER? LARGER BLALOCK-TAUSSEIG-SHUNT IN THE MODIFIED NORWOOD OPERATION CORRELATES WITH BETTER POSTOPERATIVE HEMODYNAMICS</td>
<td>J. Photiadis¹; M. Hübner²; B. Asfour¹; S. Ovrouski²; C. Fink¹; B. Stiller²; R. Hetzer²; A. E. Urban¹ ¹German Pediatric Heart Institute, Sankt Augustin, Germany; ²German Heart Institute, Berlin, Germany</td>
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<td>DETECTION OF TECHNICAL CONSTRUCTION ERRORS IN CORONARY ANASTOMOSES BY 13 MHZ EPICARDIAL ULTRASOUND</td>
<td>R. Budde; R. Meijer; T. Dessing; C. Borst; P. Grundeman Heart Lung Center UMC Utrecht, Utrecht, Netherlands</td>
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<td>RISK STRATIFICATION WITH PREOPERATIVE CARDIAC TROPONIN I FOR PATIENTS UNDERGOING ELECTIVE CORONARY ARTERY BYPASS SURGERY</td>
<td>M. Thielmann¹; P. Massoudy¹; S. Knipp¹; M. Neuhäuser²; M. Kamler¹; U. Herold¹; G. Marggraf¹; H. Jakob¹ ¹Department of Thoracic and Cardiovascular Surgery West</td>
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MID-TERM ANGIOGRAPHIC PATENCY AND VASOREACTIVE PROFILE OF PROXIMAL VERSUS DISTAL RADIAL ARTERY GRAFTS
M. Gaudino¹; V. Tsiopoulos¹; C. Canosa²; C. Cellini¹; A. Salica¹; G. Possati¹
¹Catholic University, Rome, Italy; ²Centro ad alta tecnologia nelle Scienze Biomediche, Campobasso, Italy

OPEN VALVOTOMY FOR CRINICAL AORTIC IN EARLY INFANCY
T. Miyamoto; J. Wetter; H. Blaschczok; M. Cho; N. Sinobahamvy; A. Brecher; B. Asfour; A. Urban
Deutsches Kinderherzzentrum, Sankt Augustin, Germany

RESTRICTIVE LEFT ATRIAL EGRESS INCREASES MORTALITY AFTER THE MODIFIED NORWOOD PROCEDURE
J. Photiadis; B. Asfour; C. Fink; N. Sinzobahamvy; E. Schindler; M. Schneider; A. M. Brecher; A. E. Urban
German Pediatric Heart Institute, Sankt Augustin, Germany

HEMODYNAMIC CHARACTERISTICS OF U-CLIP VS. POLYPROPYLENE SUTURE ANASTOMOSIS IN CABG SURGERY: PRELIMINARY RESULTS
P. A. Berdat; B. Kipfer; L. Englberger; M. Stalder; F. Immer; E. Gygax; F. Eckstein; T. Carrel
Clinic for Cardiovascular Surgery University Hospital, Bern, Switzerland

Monday, 13 September, 2004
8:30 AM - 10:00 AM Session 2 Thoracic Young Investigator's Award Forum
Chairman: W Klepetko W Walker

1 COMPARATIVE PRE- AND POSTOPERATIVE RESULTS ANALYSIS OF FUNCTIONAL STATE OF THE ESOPHAGUS ASSESSMENT IN PATIENTS WITH VARIOUS STAGES OF ACHALASIA
V. I. Onopriev; V. M. Durleshter; V. V. Rjabchun
Russian Centre of Functional Surgical Gastroenterology, Krasnodar, Russian Federation

2 ADENOCARCINOMA OF THE OESOPHAGUS: EN-BLOC TRANTHORACIC ESOPHAGECTOMY WITH OR WITHOUT EXTENDED TWO-FIELD MEDIASTINAL LYMPHADENECTOMY?
X. B. D'JOURNO¹; C. DODDOLI²; D. TROUSSE¹; R. GIUDICELLI¹; P. A. FUENTES¹; P. A. THOMAS²

German Heart Center University Clinic of Essen, Essen, Germany; ²Institute for Medical Informatics Biometry and Epidemiology University Clinic of Essen, Essen, Germany
1Department of Thoracic Surgery Ste Marguerite University Hospital, Marseille, France; 2UPRES Physiopathologie Respiratoire IFR Jean Roche, Marseille, France

SURFACTANT PRE-TREATMENT IMPROVES LUNG FUNCTION AFTER ISCHEMIA-REPERFUSION-INJURY OF THE LUNG BUT HAS NO IMMUNOMODULATORY EFFECT

N. van der Kaaij1; J. Haitsma2; J. Kluin1; B. Lambrecht3; B. Lachmann2; R. de Bruin4; A. Bogers1

1Cardio Thoracic Surgery Erasmus MC, Rotterdam, Netherlands; 2Experimental Anesthesiology Erasmus MC, Rotterdam, Netherlands; 3Pulmonary Diseases Erasmus MC, Rotterdam, Netherlands; 4Experimental Surgery Erasmus MC, Rotterdam, Netherlands

RAPID PLEURODESIS IN SYMPTOMATIC MALIGNANT PLEURAL EFFUSION

E. YILDIRIM1; K. DURAL1; R. YAZKAN1; N. ZENGIN2; D. YILDIRIM1; N. GUNAL1; U. SAKINCI1

1Department of Thoracic Surgery Ankara Numune Education and Research Hospital, Ankara, Turkey; 2Department of Medical Oncology Ankara Numune Education and Research Hospital, Ankara, Turkey

CT-SCAN AND MYASTHENIA GRAVIS: CORRELATION BETWEEN MEDIASTINAL IMAGING AND HISTOPATHOLOGICAL FINDINGS.

M. de Kraker; J. Kluin; N. Renken; A. Maat; A. Bogers Erasmus Medical Centre, Rotterdam, Netherlands

RECONSTITUTION OF BLOOD SUPPLY OF THE DENUDED BRONCHIAL STUMP

V. Getman; E. Devyatko; F. Hojjat; U. Losert; E. Wolner; S. Aharinejad; M. R. Mueller

University Hospital of Vienna, Vienna, Austria

TOUCH PRINT CYTOLOGY SHOWS HIGHER SENSITIVITY THAN PLEURAL LAVAGE CYTOLOGY FOR PLEURAL MICROMETASTASIS IN LUNG CANCER

D. Kim; S. Park; J. Kim

Seoul Veterans Hospital, Seoul, Korea (South)

A CASE-MATCHED STUDY OF ANATOMICAL SEGMENTECTOMY VERSUS LOBECTOMY FOR STAGE I LUNG CANCER IN HIGH-RISK PATIENTS.

A. E. Martin-Ucar; A. Nakas; J. E. Pilling; D. A. Waller

Department of Thoracic Surgery Glenfield Hospital,
Leicester, United Kingdom

9  PROGNOSTIC STRATIFICATION PATIENTS WITH T3N1M0 NON-SMALL CELL LUNG CANCER: IIIB OR IIIA?
A. Sayar; O. Solak; A. Turna; M. Metin; A. Kilicgun; A. Gürses
Department of Thoracic Surgery Yedikule Teaching Hospital for Chest Diseases and Thoracic Surgery, Istanbul, Turkey

Monday, 13 September, 2004

8:30 AM - 10:00 AM  Session 3 Cardiac Young Investigator's Award Forum
Multi Purpose Nu. 1&2  Chairman: A Pavie L von Segesser

1  PERCUTANEOUS AORTIC VALVE REPLACEMENT: STUDIES ON ABLATION
Q. B. Lutter G
Department of Cardiovascular Surgery Christian Albrecht University of Kiel School of Medicine, Kiel, Germany

2  TEMPORARY ANTICOAGULATION AFTER AORTIC VALVE REPLACEMENT WITH TISSUE VALVE CAN BE AVOIDED
M. Galatti; C. Minale
Department of Heart Cardiovascular Surgery Division San Carlo Hospital Potenza, Potenza, Italy

3  MODERN RESULTS OF MYOCARDIAL REvascularization AFTER ACUTE MYOCARDIAL INFARCTION, DOES OFF-PUMP TECHNIQUE IMPACT OUTCOME?
O. Benhameid; K. Sharma; J. Afifalo; A. Athiviroham; R. Morin; E. Rahme; Y. Toubouti; H. Shennib
McGill University Health Center, Montreal, Canada

4  THEY ARE NOT STEALTHY IN THE HEART: EMBRYONIC STEM CELLS TRIGGER CELL INFILTRATION, HUMORAL AND T-LYMPHOCYTE-BASED HOST IMMUNE RESPONSE.
T. Kofidis¹; J. L. de Bruin¹; M. Zwierzchoniewska¹; T. Yamane²; M. Tanaka¹; I. L. Weissman²; E. V. Fedoseyeva¹; R. C. Robbins¹
¹Cardiothoracic Surgery Falk Research Center Stanford University Medical School, Stanford, CA, United States; ²Pathology and Developmental Biology Stanford University Medical School, Stanford CA, United States

5  RAPAMYCIN TREATMENT IS ASSOCIATED WITH AN INCREASED APOPTOSIS RATE IN EXPERIMENTAL VEIN GRAFTS
6  RIGHT VENTRICULAR DISARTICULATION FOR ARRYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA: AN 18 YEAR SINGLE CENTRE EXPERIENCE.
J. Zacharias; J. Forty; A. Lotto; C. Doig; J. Bourke; C. J. Hilton
Freeman Hospital, Newcastle upon Tyne, United Kingdom

7  ASSOCIATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR GENE POLYMORPHISM WITH ACUTE REJECTION AND CORONARY ARTERY DISEASE AFTER ORTHOTOPIC HEART TRANSPLANTATION
S. Datta¹; C. Leonard¹; N. Yonan¹; J. Fildes¹; I. V. Hutchinson²
¹Wythenshawe Hospital, Manchester, United Kingdom; ²University of Manchester, Manchester, United Kingdom

8  OUTCOME OF HEARTS WITH COLD ISCHEMIA TIME GREATER THAN 300 MIN. A CASE MATCHED STUDY.
F. Mitropoulos¹; J. Odim¹; D. Marelli²; D. Gjertson¹; K. Karandikar¹; A. Ardehali¹; M. Plunkett¹; H. Laks¹
¹David Geffen School of Medicine at UCLA, Los Angeles, United States; ²Thomas Jefferson School of Medicine, Philadelphia, United States

Monday, 13 September, 2004
3:30 PM - 5:00 PM  Session 4 Cardiac Experimental Interactive
Multi Purpose 3&4  Chairman: D Taggart J Vaage

1  ANGIogenic SYNERGY OF BETWEEN HUMAN VEGF165 AND ANGIopoietin-I TOGETHER WITH CELL THERAPY FOR CARDIAC REPAIR
L. Ye¹; H. K. Haider²; R. Ge³; P. K. Law⁴; T. Chua⁴; S. Aziz⁵; E. K. Sim¹
¹National University of Singapore, Singapore, Singapore; ²National University Medical Institute, Singapore, Singapore; ³Cell Transplant Pvt Ltd, Singapore, Singapore; ⁴National Heart Centre, Singapore, Singapore; ⁵Washington Adventist Hospital, Washington, United States

2  INHIBITION OF VENOUS BYPASS GRAFT STENOSIS BY DECOY OLIGODESOXYNUCLEOTIDE TRANSFECTION MEDIATED DOWNREGULATION OF VASCULAR ENDOTHELIN-1 PRODUCTION
B. Kusch¹; S. Vogt¹; S. Waldhans¹; R. Moosdorf³; M.
3  CALCIUM SENSITIZERS HAVE PROMISING CHARACTERISTICS FOR USE IN CARDIAC SURGERY
   W. Beierlein; A. M. Scheule; A. Straub; H. Stauder; T. Löhle; G. Ziemer
   University Hospital Tuebingen Department of Thoracic Cardiac and Vascular Surgery, Tuebingen, Germany

4  DO CARDIAC STABILIZERS REALLY STABILIZE? EXPERIMENTAL QUANTITATIVE ANALYSIS OF MECHANICAL STABILIZATION
   M. Lemma; A. Mangini; G. Gelpi; A. Innorta; A. Spina; C. Antona
   Cardiovascular Surgery Department Sacco University Hospital, Milan, Italy

5  COLD SALINE INJECTION ACCELERATES THE CHANGE IN MEP: A TIP FOR PREDICTING SPINAL CORD ISCHEMIA*
   H. Kumagai; Y. Sugawara; K. Orihashi; T. Sueda
   First Department of Surgery Hiroshima University School of Medicine, Hiroshima*, Japan

6  SEEDING OF SKELETAL MYOBLASTS ON POLYURETHANE SCAFFOLDS AND IN-VIVO APPLICATION FOR MYOCARDIAL REPAIR
   M. Siepe¹; M. Giraud¹; C. Receputo¹; H. Tevaearai¹; P. Menasche²; T. Carrel¹
   ¹Department of Cardiovascular Surgery of the Inselspital, Berne, Switzerland; ²Department of Cardiovascular Surgery of the Hospital European Georges Pompidou, Paris, France

7  EFFECTS OF INTRAMYOCARDIAL INJECTION OF CD133+ STEM CELLS ON INFARCTED MYOCARDIUM
   Y. Ladilov; N. Ma; A. David; C. Stamm; G. Steinhoff
   University of Rostock, Rostock, Germany

8  INHIBITION OF CALCIUM SENSITISATION REVERSES AGONIST MEDIATED RADIAL ARTERY VASOCONSTRICTION AND ENHANCES ENDOTHELium DEPENDENT RELAXATION
   B. P. Choudhary¹; A. Galione²; A. Brading²; D. P. Taggart¹
   ¹John Radcliffe Hospital, Oxford, United Kingdom; ²University of Oxford, Oxford, United Kingdom

9  THE INFLUENCE OF COMBINED GENE THERAPY WITH FGF AND HGF GENES ON PERFUSION
IMPROVEMENT IN ISCHAEMIC RABBIT HINDLIMB

J. Kowalczyk\(^1\); M. Zembala Jr\(^2\); A. Sokal\(^1\); M. Tyrpień\(^1\); T. Cichoń\(^3\); J. Łoś\(^1\); S. Szala\(^3\); M. Zembala\(^2\)

\(^1\)Ist Department of Cardiology Silesian Center for Heart Disease, Zabrze, Poland; \(^2\)Department of Cardiac Surgery and Transplantology Silesian Center for Heart Disease, Zabrze, Poland; \(^3\)Department of Molecular Biology Institute of Oncology, Gliwice, Poland

Monday, 13 September, 2004

8:30 AM - 10:00 AM Session 5 Congenital Interactive

Chairman: B Maruszewski F Lacour Gayet

1 PERfusion TEMPERATURE Does NOT INFLUENCE THE SYSTEMIC INFLAMMATORY RESPONSE TO CARDIOPULMONARY BYPASS IN CHILDREN

C. Stocker; L. Shekerdemian; S. Horton; D. Penny; K. Visvanathan; A. Cochrane; Y. d'Udekem; C. Brizard

Royal Childrens Hospital and Murdoch Childrens Research Institute, Melbourne, Australia

2 CONTINUOUS CEREBRAL AND MYOCARDIAL PERFUSION DURING AORTIC ARCH REPAIR

K. Ishino; M. Kawada; K. Yoshizumi; S. Sano

Okayama University Graduate School of Medicine and Dentistry, Okayama, Japan

4 THE INFLUENCE OF VALVE PHYSIOLOGY ON OUTCOME FOLLOWING AORTIC VALVOTOMY FOR CONGENITAL BICUSPID VALVE: 30-YEAR RESULTS FROM A SINGLE INSTITUTION

T. Karamlou; I. Shen; G. Burch; M. Reller; M. Silberbach; R. Ungerleider

Oregon Health and Science University, Portland, United States

7 PEDIATRIC AUTOGRaFT AORTIC ROOT REPLACEMENT: FIFTEEN-YEAR PROSPECTIVE FOLLOW-UP

J. Takkenberg\(^1\); A. Kappetein\(^1\); L. v. Herwerden\(^1\); M. Witsenburg\(^2\); A. Bogers\(^1\)

\(^1\)Dept of Cardiothoracic Surgery ErasmusMC, Rotterdam, Netherlands; \(^2\)Dept of Pediatric Cardiology ErasmusMC, Rotterdam, Netherlands

8 LONG-TERM RESULTS OF THE ROSS OPERATION IN A PEDIATRIC POPULATION

M. Hazekamp\(^1\); P. Schoof\(^1\); J. Ottenkamp\(^2\); R. Dion\(^1\)

\(^1\)Dept Cardiothoracic Surgery Leiden University Medical Center, Leiden, Netherlands; \(^2\)Dept Pediatric Cardiology
Leiden University Medical Center, Leiden, Netherlands

9 MIDTERM OUTCOME OF MITRAL VALVE REPAIR FOR CONGENITAL MITRAL REGURGITATION IN INFANTS AND CHILDREN
O. Honjo; K. Ishino; K. Yoshizumi; M. Kawada; S. Sano
Okayama University Graduate School of Medicine and Dentistry, Okayama, Japan

Monday, 13 September, 2004

10:30 AM - 12:00 PM Session 6 Mixed Oral
Plenary Hall Chairman: T Grodzki J Monro B Keogh

1 SEQUENTIAL MONITORING OF RESULTS IN INTRATHORACIC TRANSPLANTATION: A UK NATIONAL STUDY
J. Ganesh; C. A. Rogers; N. R. Banner; R. S. Bonser
On Behalf of the Steering Group UK Cardiothoracic Transplant Audit Clinical Effectiveness Unit The Royal College of Surgeons of England, London, United Kingdom

2 DOES THE ROUTE OF GASTRIC PULL-UP INFLUENCE THE OXYGEN SUPPLY OF THE ANASTOMOSIS?
U. C. Anegg¹; A. Maier¹; J. Smolle²; F. M. Smolle-Juttner¹
¹Clinical department of thoracic surgery and hyperbaric medicine Medical University Graz Austria, Graz, Austria; ²Clinic of dermatology Medical University Austria, GRAZ, Austria

3 TREATMENT OF TYPE B AORTIC DISSECTION: ENDOLUMINAL REPAIR OR CONVENTIONAL MEDICAL THERAPY?
G. Dialetto; F. E. Covino; G. Scognamiglio; S. Manduca; A. Della Corte; B. Giannolo; M. Scardone; M. Cotrufo
Department of Cardiothoracic Sciences Second University of Naples Department of Cardiovascular Surgery and Transplants Monaldi Hospital, Naples, Italy

4 EXPERIENCE WITH THE “DA VINCI” SURGICAL SYSTEM FOR THYMECTOMY IN PATIENTS WITH MYASTENIA GRAVIS: REPORT OF 24 CASES
F. REA¹; G. MARULLI¹; L. BORTOLOTTI¹; P. FELTRACCO²; A. ZUIN¹; F. SARTORI¹
¹DIVISION OF THORACIC SURGERY, PADUA, Italy; ²DIVISION OF ANAESTHESIOLOGY, PADUA, Italy

5 THE POTENTIAL IMPACT OF PERCUTANEOUS PULMONARY VALVED STENT IMPLANTATION ON RIGHT VENTRICULAR OUTFLOW TRACT RE-INTERVENTION
V. Tsang; L. Coats; J. Deanfield; M. de Leval; P. Bonhoeffer
Great Ormond Street Hospital and The Heart Hospital, London, United Kingdom

COMPETITIVE FLOW COMPROMISES PATENCY OF RADIAL ARTERY CORONARY BYPASS GRAFTS: ANGIOGRAPHIC ANALYSIS FROM A MULTINATIONAL RANDOMIZED CONTROLLED CLINICAL TRIAL
N. D. Desai; E. A. Cohen; C. D. Naylor; S. E. Fremes
Sunnybrook and Women's College Health Sciences Centre, Toronto, Canada

Monday, 13 September, 2004
12:00 PM - 12:45 PM
Plenary Hall

Presidential Address J Monro The next challenge:
adapting to change
Chairman:

Monday, 13 September, 2004
2:00 PM - 3:00 PM
Plenary Hall

Session 7 Valves C W Lillehei Award Oral
Chairman: M Antunes D Wheatley

1 NONINVASIVE ASSESSMENT OF BILEAFLET AND TILTING-DISC AORTIC VALVE PROSTHESES BY 3D-DOPPLER FLOW PROFILES
S. Mottl-Link¹; R. De Simone¹; I. Wolf²; M. Hastenteufel²; S. Witte³; H. P. Meizer³; S. Hagl³
¹Department of Cardiac Surgery University of Heidelberg, Heidelberg, Germany; ²Medical and Biological Informatics DKFZ, Heidelberg, Germany; ³Department of Medical Biometry University of Heidelberg, Heidelberg, Germany

2 IS THERE A POSSIBILITY FOR A GLUTARALDEHYDE-FREE PORCINE HEART VALVE TO GROW?
P. M. Dohmen¹; F. D. Costa²; S. V. Lopes²; A. Moreno²; L. Reichert³; R. Villant⁴; S. Posner⁵; W. Konertz¹
¹Dept of Cardiovascular Surgery Charite, Berlin, Germany; ²Dept of Cardiac Surgery Santa Casa, Curitiba, Brazil; ³Dept of Cardiology Santa Casa, Curitiba, Brazil; ⁴Dept of Vitrinary Medicin PucPr, Curitiba, Brazil; ⁵AutoTissue Ltd, Berlin, Germany

3 ACCURATE REGURGITANT VOLUME QUANTIFICATION WITH MRI IN PATIENTS SELECTED FOR MITRAL VALVE REPAIR
J. J. Westenberg; J. Doornbos; M. I. Versteegh; J. J. Bax; R. J. van der Geest; A. de Roos; R. A. Dion; J. H. Reiber
Leiden University Medical Center, Leiden, Netherlands
ANALYSIS OF HEMODYNAMIC EFFECTS OF “EDGE-TO-EDGE” MITRAL VALVE REPAIR BY COMPUTATIONAL MODELS OF DIFFERENT SURGICAL CONFIGURATIONS
C. Fucci¹; F. Dal Pan²; R. Lorusso¹; G. De Cicco¹; G. Donzella¹; G. Coletti¹; G. Minzioni¹; M. Schreiber²
¹Cardiac Surgery Division Civic Hospital, Brescia, Italy; ²Mechanical Engineering Institute Faculty of Engineering, Brescia, Italy

Monday, 13 September, 2004
2:00 PM - 3:00 PM Session 8 Brompton Prize Forum
Chairman: M Dusmet W Weder

1 ANATOMICAL VARIATIONS OF RAMI COMMUNICANTES IN THE UPPER THORACIC SYMPATHETIC TRUNK
H. Cho¹; Y. Kim²; S. Sung³
¹Department of Thoracic and Cardiovascular Surgery Konyang University Hospital Gasuwondong Seoung, Deojeon, Korea (South); ²Department of Thoracic and Cardiovascular Surgery Seoul National University Hospital Yongdongong Jongrogu, Seoul, Korea (South); ³Department of Thoracic and Cardiovascular Surgery Seoul National University Bundang Hospital Gumidong Bundanggu, Seongnam Gyeongido, Korea (South)

2 POSTOPERATIVE ADJUVANT CHEMOTHERAPY FOR STAGE I NON-SMALL CELL LUNG CANCER
J. Park; C. Lee; H. Lee; H. Baek; J. Zo; Y. Shim
Korea Cancer Center Hospital, Seoul, Korea (South)

3 DOPPLER ECHOCARDIOGRAPHIC EVALUATION OF THE RIGHT HEART AFTER MAJOR LUNG RESECTIONS
F. Venuta; S. Sciomer; C. Andreetti; T. De Giacomo; E. A. Rendina; M. Ibrahim; F. Fedele; G. F. Coloni
University of Rome La Sapienza, Rome, Italy

4 INCREASED BAX/BCL-2 RATIO UPREGULATES CASPASE-3 AND INCREASES APOPTOSIS IN THYMUS OF PATIENTS WITH MYASTHENIA GRAVIS.
S. Salakou¹; A. C. Tsamandas²; E. Apostolakis³; E. Tsibri¹; D. S. Bonikos³; T. Papapetropoulos¹; D. Dougenis³
¹Department of Neurology University of Patras School of Medicine, Patras, Greece; ²Department of Pathology University of Patras School of Medicine, Patras, Greece; ³Department of Cardiothoracic Surgery University of Patras School of Medicine, Patras, Greece

5 PREOPERATIVE CHEMOTHERAPY FOLLOWED BY
CONCURRENT CHEMORADIATION THERAPY AND DEFINITIVE SURGERY FOR NON-SMALL-CELL LUNG CANCER OF THE SULCUS SUPERIOR
A. Marra\(^1\), W. Eberhardt\(^2\), C. Pöttgen\(^2\), D. Theegarten\(^3\), M. Stuschke\(^2\), G. Stamatis\(^1\)
\(^1\)Dept Thoracic Surgery Ruhrlandklinik, Essen, Germany; \(^2\)Dept Medical Oncology and Radiation Oncology West German Cancer Center University of Essen, Essen, Germany; \(^3\)Department of Pathology Ruhr University of Bochum, Bochum, Germany

ASSESSMENT OF SYSTEMATIC NODE DISSECTION FOR STAGE I PRIMARY LUNG CANCER BY VATS
A. Watanabe; T. Koyanagi; T. Obama; H. Ohsawa; T. Mawatari; N. Takedashi; Y. Ichimiya; T. Abe
Department of Thoracic and Cardiovascular Surgery Sapporo Medical University School of Medicine, Sapporo, Japan

Monday, 13 September, 2004
2:00 PM - 3:00 PM Session 9 Cardiac Experimental Interactive
Chairman: G Lutter G Zund

NEW RECOMBINANT SERINE PROTEASE INHIBITORS PROTECT THE PLATELET SEVEN TRANSMEMBRANE THROMBIN RECEPTOR PAR1.
J. Day; C. Landis; D. Haskard; K. Taylor
Imperial College, London, United Kingdom

HISTOPATHOLOGICAL EFFECTS OF ETHYL 2-CYANOACRYLATE TISSUE ADHESIVE FOLLOWING SURGICAL APPLICATION - AN EXPERIMENTAL STUDY
M. Kaplan\(^1\); S. Bozkurt\(^2\); M. Kut\(^1\); S. Kullu\(^2\); M. Demirtas\(^1\)
\(^1\)Siyami Ersek Thoracic and Cardiovascular Surgery Center, Istanbul, Turkey; \(^2\)Department of Pathology School of Medicine Marmara University, Istanbul, Turkey

TRANSIENT RECEPTOR POTENTIAL PROTEIN CHANNEL (TRPC1): A POTENTIAL TARGET IN THE PREVENTION OF NEOINTIMAL HYPERPLASIA (NIH)
S. S. Shah\(^1\); B. Kumar\(^1\); T. J. Batchelor\(^1\); S. Xu\(^2\); K. E. Porter\(^2\); C. M. Munsch\(^1\); D. J. Beech\(^2\)
\(^1\)The Yorkshire Heart Centre, Leeds, United Kingdom; \(^2\)University of Leeds, Leeds, United Kingdom

IMPROVED PRESERVATION OF HUMAN SAPHENOUS VEIN SEGMENTS AFTER STORAGE IN PERFADEX SOLUTION DURING BYPASS SURGERY
A. H. Kiessling; F. Isgro; M. Blome; I. Kammerer; A.
5 ENDOTHELIAL INJURY OF RADIAL ARTERY CONDUITS DOES NOT INCREASE THEIR TENDENCY TO SPASM.
S. Mussa¹; P. Leeson²; K. M. Channon²; D. P. Taggart¹
¹Department of Cardiothoracic Surgery John Radcliffe Hospital, Oxford, United Kingdom; ²Department of Cardiovascular Medicine University of Oxford, Oxford, United Kingdom

6 AUTOLOGOUS MYOBLASTS TRANSDUCED WITH A NOVEL BICISTRONIC VECTOR EXPRESSING VEGF AND ANGIOPOIETIN-1 IN A RABBIT MODEL OF HIND LIMB ISCHEMIA
N. M. Idris¹; H. K. Haider¹; L. Ye¹; S. Jiang³; W. S. Koh¹; T. T. Lim⁴; K. K. Poh⁴; E. K. Sim¹
¹National University of Singapore, Singapore, Singapore; ²National University Medical Institute, Singapore, Singapore; ³National Heart Centre, Singapore, Singapore; ⁴National University Hospital, Singapore, Singapore

Monday, 13 September, 2004
2:00 PM - 3:00 PM Session 10 Cardiac General Interactive
Chairman: L Chiarello K Khargi

1 CHRONIC STERNAL WOUND COMPLICATIONS FOLLOWING VACUUM-ASSISTED CLOSURE OF POST STERNOTOMY STERNAL WOUND INFECTIONS.
V. N. Bapat; A. S. Noorani; N. Muttardi; C. P. Young; J. C. Roxburgh; G. E. Venn
St Thomas Hospital, London, United Kingdom

2 SCREENING ASCENDING AORTA: COMPARISON OF DIGITAL PALPATION, TRANSESOPHAGEAL AND EPIAORTIC ULTRASONOGRAPHY - PRELIMINARY DATA
S. SUVARNA¹; J. STYGALL²; A. SMITH¹; R. WALESBY¹; S. KOLVEKAR¹; M. HAYWARD¹; D. LAWRENCE¹; S. NEWMAN²
¹UNIVERSITY COLLEGE LONDON HOSPITALS, LONDON, United Kingdom; ²CENTRE FOR BEHAVIOURAL AND SOCIAL SCIENCES IN MEDICINE UCL, LONDON, United Kingdom

3 ECTASIA OF THE ASCENDING AORTA AT THE TIME OF AORTIC VALVE SURGERY: REPLACE OR RELAX?
C. Bassano; L. Fratticci; C. Del Giudice; G. Andò; I. Proietti; R. De Paulis; F. El Fakhri; L. Chiariello
USEFULNESS OF INTRANASAL MUPIROCINE IN THE PREVENTION OF SURGICAL INFECTION
D. Cantero; J. I. Aramendi; J. I. Villate; R. Iruretagoyena; R. Voces; B. Ruiz del Castaño
Division of Cardiac Surgery Hospital de Cruces, Barakaldo, Spain

ECONOMIC ANALYSIS OF PERIOPERATIVE CELL SALVAGE AND AUTOTRANSFUSION VERSUS HOMOLOGOUS BLOOD TRANSFUSION (A PROSPECTIVE RANDOMIZED TRAIL)
G. J. Murphy; P. Modi; S. Allen; J. Unsworth-White; T. Lewis; M. Dalrymple-Hay
South West Cardiothoracic Centre, Plymouth, United Kingdom

EFFECT OF PIRACETAM ON COGNITIVE PERFORMANCE IN PATIENTS UNDERGOING OPEN HEART SURGERY
S. Holinski, MD; B. Claus, MD; N. Alaaraj, MD; K. Vohs, MD; R. Uebelhack, MD, PhD; W. Konertz, MD, PhD
Charite Humboldt University, Berlin, Germany

Monday, 13 September, 2004
2:00 PM - 3:00 PM Session 11 Young Surgeon's congenital Heart Disease Award Forum
Chairman: W Daenen V Tsang

SURGICAL STRATEGIES AND OUTCOMES IN PULMONARY ATRESIA AND INTACT VENTRICULAR SEPTUM.
G. SHANMUGAM; K. J. MACARTHUR; M. DANTON; J. C. POLLOCK
ROYAL HOSPITAL FOR SICK CHILDREN, GLASGOW, SCOTLAND, United Kingdom

USE OF AN ALLOGRAFT PATCH IN REPAIR OF HYPOPLASTIC LEFT HEART SYNDROME MAY COMPLICATE FUTURE TRANSPLANTATION
S. R. Meyer; P. M. Campbell; J. M. Rutledge; L. E. Hawkins; A. M. Halpin; J. R. Lakey; I. M. Rebeyka; D. B. Ross
University of Alberta, Edmonton, Canada

THE RIGHT VENTRICLE TO PULMONARY ARTERY CONDUIT STIMULATES BETTER GROWTH OF THE CENTRAL PULMONARY ARTERIES IN HYPOPLASTIC LEFT HEART SYNDROME
S. McGuirk; E. Rumball; O. Stumper; S. Laker; D. Barron; W. Brawn
4 NEONATAL REPAIR OF TETRALOGY OF FALLOT: ARE WE INCREASING THE NEED FOR REINTERVENTIONS?  
J. Kolcz; W. I. Norwood; C. Pizarro  
Nemours Cardiac Center Alfred I duPont Hospital for Children, Wilmington, United States

5 LIVING PATCHES ENGINEERED FROM HUMAN UMBILICAL CORD DERIVED FIBROBLASTS AND ENDOTHELIAL PROGENITOR CELLS  
D. Schmidt¹; S. Neuenschwander¹; A. Mol²; C. Breymann³; A. Weber¹; G. Zund¹; M. Turina¹; S. P. Hoorstrop¹  
¹Clinic for Cardiovascular Surgery University Hospital Zurich, Zurich, Switzerland; ²Technical University Eindhoven, Eindhoven, Netherlands; ³Department of Gynecology and Obstetrics University Zurich, Zurich, Switzerland

6 TISSUE ENGINEERING OF HUMAN PRICARDIUM: DETERMINATION OF THE EFFECT OF AN SDS DECELLULARISATION PROCESS ON THE EXTRACELLULAR MATRIX.  
S. Mirsadraee²; H. E. Wilcox¹; S. A. Korossis¹; J. N. Kearney³; F. John¹; E. Ingham¹; K. G. Watterson²  
¹The Institute of Medical and Biological Engineering, Leeds, United Kingdom; ²Yorkshire Heart Centre, Leeds, United Kingdom; ³NBS Tissue Services R and D, Sheffield, United Kingdom

Monday, 13 September, 2004
3:30 PM - 5:00 PM Session 12 Coronary & Valves Forum  
Chairman: R Dion C Mestres

1 IS MULTIPLE ARTERIAL GRAFTING SAFE IN URGENT CORONARY BYPASS? A PROPENSITY MATCHED COMPARISON  
N. D. Desai; G. N. Cohen; G. T. Christakis; S. Miwa; V. Kapila; M. O. Baerlocher; B. S. Goldman; S. E. Fremes  
Sunnybrook and Womens College Health Sciences Centre, Toronto, Canada

2 LONG-TERM OUTCOMES OF VALVE REPLACEMENT WITH MODERN PROSTHESES IN YOUNG ADULTS  
M. Ruel; B. K. Lam; F. D. Rubens; P. J. Hendry; R. G. Masters; W. G. Goldstein; P. Bedard; T. G. Mesana  
University of Ottawa Heart Institute, Ottawa, Canada

3 EFFECT OF PERI-OPERATIVE RED BLOOD CELL
TRANSFUSION ON THIRTY-DAY AND ONE-YEAR MORTALITY FOLLOWING CORONARY ARTERY BYPASS OPERATIONS
M. Kuduvalli; A. Y. Oo; N. Newall; A. D. Grayson; M. Jackson; M. J. Desmond; B. M. Fabri; A. Rashid
The Cardiothoracic Centre, Liverpool, United Kingdom

LEFT VENTRICULAR ANEURISMS: EARLY AND LONG-TERM RESULTS OF TWO TYPES OF REPAIR
P. E. Antunes; J. F. de Oliveira; M. J. Antunes
Center of Cardiothoracic Surgery, Coimbra, Portugal

LEFT VENTRICULAR DIMENSION AND SHAPE AFTER POSTINFARCTION ANEURYSM REPAIR
A. Marchenko; A. Chernyavsky; S. Alsov; A. Karaskov
Research Institute of Circulation Pathology, Novosibirsk, Russian Federation

TRIFLUSAL VERSUS ORAL ANTICOAGULATION FOR PRIMARY PREVENTION OF THROMBOEMBOLISM AFTER BIOPROSTHETIC VALVE REPLACEMENT (TRAC): PROSPECTIVE, RANDOMIZED, CO-OPERATIVE TRIAL
J. Aramendi¹; C. Mestres²; J. Martínez-León³; V. Campos³; G. Muñoz⁴; C. Navas⁵
¹Division of Cardiac Surgery Hospital de Cruces, Barakaldo, Spain; ²Department of Cardiovascular Surgery Hospital Clinic, Barcelona, Spain; ³Department of Cardiovascular Surgery Hospital Juan Canalejo, La Coruña, Spain; ⁴Department of Cardiovascular Surgery Hospital Clínico, Valencia, Spain; ⁵Medical Department J Uriach and Co, Barcelona, Spain

IS CARDIOPULMONARY BYPASS A REASON FOR ASPIRIN RESISTANCE AFTER CORONARY ARTERY BYPASS GRAFTING?
M. Kurt¹; N. Zimmemann¹; T. Hohlfeld²; E. Gams¹
¹Department of Thoracic and Cardiovascular Surgery Heinrich Heine University, Duesseldorf, Germany; ²Department of Pharmacology Heinrich Heine University, Duesseldorf, Germany

DO PULMONARY AUTOGRAFTS PROVIDE BETTER OUTCOMES THAN MECHANICAL VALVES IN YOUNG PATIENTS? A PROSPECTIVE RANDOMIZED TRIAL.
M. Doss; J. P. Wood; S. Martens; G. Wimmer-Greinecker; A. Moritz
Department of Thoracic and Cardiovascular Surgery Goethe University Frankfurt, Frankfurt am Main, Germany

IMPROVED GRAFT PATENCY RATES AND MID-
TERM OUTCOME OF DIABETIC PATIENTS UNDERGOING TOTAL ARTERIAL MYOCARDIAL REVASCULARIZATION
C. Muneretto¹; G. Bisleri¹; A. Negri¹; J. Manfredi¹; D. Gavezzoli¹; M. Metra²; S. Nodari³; L. DeiCas⁴
¹Division of Cardiac Surgery University of Brescia Medical School, Brescia, Italy; ²Division of Cardiology University of Brescia Medical School, Brescia, Italy

Monday, 13 September, 2004
3:30 PM - 5:00 PM Session 13 Thoracic Mixed Forum
Chairman: R Berrisford B Passlick

1 DETECTION OF DISSEMINATED TUMOR CELLS IN MEDIASTINOSCOPIC LYMPH NODE BIOPSIES AND LYMPHADENECTOMY SPECIMENS OF PATIENTS WITH NSCLC BY QUANTITATIVE RT-PCR
W. Sienel¹; X. T. Wang³; J. Mueller³; A. Morresi-Hauf²; B. Passlick¹
¹Department of Thoracic Surgery University of Freiburg, Freiburg, Germany; ²Department of Pathology Asklepios Fachkliniken Muenchen Gauting, Gauting, Germany; ³Department of Thoracic Surgery Asklepios Fachkliniken Muenchen Gauting, Gauting, Germany

2 QUANTITATIVE REAL-TIME PCR DETECTION OF LYMPH-NODE LUNG CANCER MICROMETASTASIS USING CARCINOEMBRYONIC-ANTIGEN MARKER.
M. Nosotti¹; A. Palleschi¹; M. Falleni²; S. Bosari²; L. Santambrogio¹
¹Division of Thoracic Surgery IRCCS Ospedale Maggiore Policlinico, Milano, Italy; ²Department of Pathology University of Milan, Milano, Italy

3 PRE AND POSTOPERATIVE HUMAN HEPATOCYTE GROWTH FACTOR LEVELS IN PATIENTS UNDERWENT THORACIC OPERATIONS.
E. Dikmen¹; M. Kara¹; U. Kisa²; S. Han³; U. Sakinci³
¹Kirikkale University Department of Thoracic Surgery, Kirikkale, Turkey; ²Kirikkale University Department of Biochemistry, Kirikkale, Turkey; ³Numune Education and Research Hospital, Ankara, Turkey

4 POSTRESECTIONAL PULMONARY OXIDATIVE STRESS IN NSCLC PATIENTS. THE ROLE OF ONE-LUNG VENTILATION.
P. MISTHOS¹; S. KATSARAGAKIS²; N. MILINGOS²; S. KAKARIS¹; E. SEPSAS¹; K. VASILIKOS¹; K. ATHANASSIADI¹; I. SKOTTIS¹
¹Sotiria General Hospital for Chest Diseases First Thoracic
Surgery Department, Athens, Greece; ²University of Athens Medical School First Propaedeutic Surgical Department, Athens, Greece

5 CT-GUIDED RADIOFREQUENCY TREATMENT OF LUNG METASTASIS: EFFICACY AND FOLLOW UP WITH CT-PET
G. Ferrante; S. Griffio; M. Romano; M. Salvatore; G. Servillo; R. Bianco; M. Gentile; C. Mainolfi
University Federico II Faculty of Medicine and Surgery, Naples, Italy

6 TRANSCERVICAL EXTENDED MEDIASTINAL LYMPHADENECTOMY – NEW TECHNIQUE AND PRELIMINARY RESULTS IN LUNG CANCER STAGING
J. Kużdżał¹; M. Zieliński¹; B. Papla²; A. Szlubowski¹; &. Hauer¹
¹Department of Thoracic Surgery of Pulmonary Hospital Zakopane, Zakopane, Poland; ²Department of Pathology Jagiellonian University, Krakow, Poland

7 THE NEW STRATEGY OF SELECTIVE NODAL DISSECTION FOR LUNG CANCER BASED ON SEGMENT-SPECIFIC PATTERNS OF NODAL SPREAD
S. Watanabe; H. Asamura; K. Suzuki; R. Tsuchiya
National Cancer Center Hospital, Tokyo, Japan

8 PNEUMONECTOMY FOR LUNG CANCER: DOES INDUCTION CHEMOTHERAPY INFLUENCE POSTOPERATIVE OUTCOME?
L. Cagini; G. Veronesi; M. D'Aiuto; L. Spaggiari
Department of Thoracic Surgery European Institute of Oncology, Milan, Italy

9 SURGERY AFTER INDUCTION CHEMOTHERAPY: MORBIDITY AND MORTALITY IN THE SURGERY ARM OF EORTC 08941 TRIAL.
P. E. Van Schil; J. P. Van Meerbeeck; G. Kramer; T. Splinter; C. Legrand; G. Giaccone; C. Manegold; N. van Zandwijk
EORTC Lung Cancer Group, Brussels, Belgium

Monday, 13 September, 2004

3:30 PM - 5:00 PM Session 14 Cardiac General Interactive
Multi Purpose 1&2 Chairman: P Feindt D Loisance

1 HISTIDINE-TRYPTOPHAN-KETOGLUTARATE VERSUS BLOOD CARDIOPLEGIA : PROSPECTIVE PATIENT CONTROLED CLINICAL AND MYOCARDIAL ULTRASTRUCTURAL STUDY
S. Kim; Y. Lee; J. Woo; K. cho; P. Choi
2 CEREBRAL INJURY FOLLOWING ON-PUMP AND OFF-PUMP CARDIAC SURGERY DEFINED BY FUNCTIONAL MAGNETIC RESONANCE IMAGING Y. Abu-Omar; M. Z. Cader; L. Balacumarswami; P. M. Matthews; D. P. Taggart

1Department of Cardiothoracic Surgery John Radcliffe Hospital, Oxford, United Kingdom; 2Department for Functional MRI of the Brain John Radcliffe Hospital, Oxford, United Kingdom

3 EFFECTS OF ASCENDING AORTA REPLACEMENT ON AORTIC ROOT DILATATION R. De Paulis; E. Cetrano; M. Moscarelli; G. Andò; F. Bertoldo; R. Scaffa; F. Tomai; L. Chiariello Cardiac Surgery Dept University of Tor Vergata, Rome, Italy

4 THE FATE OF A MODERATELY DILATED NATIVE AORTIC ROOT AFTER SEPARATE REPLACEMENT OF THE AORTIC VALVE AND ASCENDING AORTA J. zeitani; P. Polisca; C. Del Giudice; P. Nardi; A. Penta de Peppo; L. Chiariello

1Tor Vergara University European Hospital, Rome, Italy; 2Second University of Naples, Naples, Italy

5 HYPERBARIC OXYGEN - A POTENTIAL MODULATOR OF SYSTEMIC INFLAMMATORY RESPONSE TO CARDIOPULMONARY BYPASS - RESULTS OF A PROSPECTIVE RANDOMISED DOUBLE BLIND TRIAL.

J. Alex; G. Laden; S. C. Griffin; A. R. Cale; L. Guvendik; S. Bennett; L. Maddon; P. T. McCollum

1Castle Hill Hospital, Hull, United Kingdom; 2Hyperbaric unit BUPA hospital, Hull, United Kingdom; 3University of Hull, Hull, United Kingdom

6 PULMONARY RELEASE OF ET-1 CONTRIBUTES TO MESENTERIC DYSFUNCTION IN EXPERIMENTAL RIGHT VENTRICULAR PRESSURE OVERLOAD T. B. Andrasi; A. Blazovics; P. Soos; V. Kekesi; B. Merkely; A. Juhasz-Nagy

Department of Cardiovascular Surgery Semmelweis University, Budapest, Hungary

7 THE BEST SITES FOR BIVENTRICULAR OPEN CHEST PACING G. Luzi; G. Casali; D. Maselli; V. Polizzi; A. Montalto; F. Musumeci

San Camillo Hospital, Rome, Italy

8 RATE OF VENTRICULAR THROMBUS AFTER CORONARY ARTERY REVASCULARISATION:
INDICATION FOR PRE AND POSTOPERATIVE ECHOCARDIOGRAPHY
A. Momin; S. Kapetanakis; R. Deshpande; D. McCormack; J. Desai
Cardiothoracic Department Kings College Hospital, London, United Kingdom

9 RECOMBINANT FACTOR VIIA IN THE MANAGEMENT OF LIFE-THREATENING REFRACTORY BLEEDING IN CARDIOVASCULAR SURGICAL PATIENTS
V. Pretorius; S. Nahirniak; H. McConnell; D. B. Ross
University of Alberta, Edmonton, Canada

Monday, 13 September, 2004
3:30 PM - 5:00 PM Session 15 Cardiopulmonary Bypass Forum
Multi Purpose 3&4 Chairman: D Birnbaum M Turina

1 THE IMPACT OF SLOW REWARMING ON INOTROPY, TISSUE METABOLISM AND AFTERDROP OF BODY TEMPERATURE IN PEDIATRICS
M. S. Mohamed; T. Abdel barr
Department of Cardiothoracic Surgery Faculty of medicine Pediatric Cario University Hospital for Sick Children, Cairo, Egypt

2 HYPOTHERMIA DURING EXTRACORPORAL CIRCULATION (ECC) IS BENEFICIAL FOR THE MICROCIRCULATION IN VIVO
M. Kamler; J. Goedeke; N. Pizanis; V. Milekhin; H. Jakob
West Germany Heart Center University hospital, Essen, Germany

3 INFLUENCE ON HEMOLYSIS OF DIFFERENT ASSISTED VENOUS DRAINAGE SYSTEMS IN COMPARISON TO CONVENTIONAL CARDIOPULMONARY BYPASS
D. Rassoulian¹; M. Abels¹; C. Detter²; S. Daebritz¹; H. Reichenspurner³; B. Reichart¹
¹Department of Cardiac Surgery Klinikum Grosshadern, Munich, Germany; ²Department of Cardiac Surgery Klinikum Eppendorf, Hamburg, Germany

4 REDUCTION OF INFLAMMATION AND HEMOLYSIS DURING OPEN CARDIOPULMONARY BYPASS DUE TO SUCTION BLOOD SEPERATION
A. Khosravi; A. Liebold; M. Joharchi; B. Westphal; G. Steinhoff
Department of Cardiac Surgery University of Rostock, Rostock, Germany
5  THE GP IIb/IIa INHIBITOR ABCIXIMAB (REOPRO)
DECREASES PLATELET-LEUKOCYTE
INTERACTION AND INFLAMMATION IN A
CARDIOPULMONARY BYPASS MODEL
A. Straub; H. Wendel; R. Azevedo; G. Ziemer
Department of Thoracic Cardiac and Vascular Surgery,
Tübingen, Germany

6  ANTIPHOSPHOLIPID SYNDROME IN CARDIAC
SURGERY - AN UNDERESTIMATED
COAGULATION DISORDER?
P. Massoudy; S. M. Cetin; M. Thielmann; C. Yildirim; U.
Herold; G. Marggraf; C. Specker; H. Jakob
West German Heart Center Essen, Essen, Germany

7  PROPHYLACTIC DEXAMETHASONE IN
PREVENTING TRANSIENT HEPATIC DAMAGE
DURING CARDIOPULMONARY BYPASS
A. M. Morariu1; G. W. Rietman2; B. G. Loei2; A. H. Epema2;
P. W. Boonstra2; G. Rakhirst1; W. van Oeveren1
1 Department of Biomedical Engineering Faculty of
Medicine, Groningen, Netherlands; 2Cardiothoracic
Surgery University Hospital, Groningen, Netherlands

8  CIRCULATING ENDOTHELIAL CELLS AND
INDUCTION OF ENDOTHELIAL APOPTOSIS BY
SERUM OF PATIENTS AFTER
CARDIOPULMONARY BYPASS ARE MARKERS OF
ENDOTHELIAL ACTIVATION
F. X. Schmid1; N. K. Vudattu2; M. Shahin1; A. A. Rahman1;
E. Holler2; G. Eissner2; D. E. Birnbaum1
1 Department of Cardiothoracic and Vascular Surgery
University Hospital Regensburg, Regensburg, Germany;
2 Department of Internal Medicine I Division of Hematology
and Oncology, Regensburg, Germany

Monday, 13 September, 2004
8:30 AM - 10:30 AM  Session 16 Cardiac Experimental Forum
Chairman: A Wechsler H Vanermen

1  THE HUMAN LUNG PERFUSION MODEL: A TOOL
FOR BASIC AND CLINICAL RESEARCH.
G. Friedel1; T. Muerdter3; P. Fritz2; A. Kirschbaum1; M.
McClellan1; T. Kyriss1; H. Toomes1
1 Schillerhoehe Hospital Dept of Thoracic Surgery,
Stuttgart, Germany; 2 Robert Bosch Hospital Dept of
Pathology, Stuttgart, Germany; 3 Margaretre Fischer Bosch
Institute for Clinical Pharmacology, Stuttgart, Germany

2  INTRAMYOCARDIAL MULTISITE PRESSURE
INJECTION INCREASES THE EFFICACY OF
SKELETAL MYOBLAST TRANSPLANTATION
H. Ott1; R. Kroess1; N. Bonaros1; R. Marksteiner2; E. Margreiter2; S. Hering3; G. Laufer1
1Department of Cardiac Surgery at the University Hospital Innsbruck, Innsbruck, Austria; 2Department of Biochemical Pharmacology at the University of Innsbruck, Innsbruck, Austria; 3Department of Pharmacology and Toxicology at the University of Vienna, Vienna, Austria

3 INTRAOPERATIVE ASSESSMENT OF RIGHT VENTRICULAR VOLUME AND FUNCTION IN PATIENTS WITH IMPAIRED CARDIAC FUNCTION
R. De Simone1; S. Mottl-Link1; I. Wolf2; W. Zink3; J. Nöll3; B. Böttiger3; H. Meinzer2; S. Hagl1
1Department of Cardiac Surgery University of Heidelberg, Heidelberg, Germany; 2Medical and Biological Informatics DKFZ, Heidelberg, Germany; 3Department of Anaesthesiology University of Heidelberg, Heidelberg, Germany

4 DIFFERENTIAL HOMING PATTERN OF HUMAN CORD BLOOD CELLS IN NOD/SCID MICE WITH AND WITHOUT MYOCARDIAL INFARCTION
N. Ma1; A. Kaminski1; H. Kleine1; D. Egger2; Y. Ladilov1; C. Stamm1; G. Steinhoff1
1University of Rostock, Rostock, Germany; 2VitaVierunddreissig, Leipzig, Germany

5 CHARACTERISTIC CURVES OF AORTIC VALVES SUBSTITUTES FACILITATE INDIVIDUALIZED DECISION FOR A PARTICULAR TYPE
R. U. Kuehnel1; R. Puchner1; A. Pohl2; M. O. Wendt2; M. Hartrumpf1; M. Pohl2; J. M. Albes1
1Department of Cardiovascular Surgery Heart Center Brandenburg, Bernau, Germany; 2Institute of Medical Physics and Biophysics Charite, Berlin, Germany

6 OPTIMAL PH STRATEGY FOR SELECTIVE CEREBRAL PERFUSION
J. C. Halstead; D. Spielvogel; D. M. Meier; D. Weisz; C. Bodian; N. Zhang; R. B. Griep
Mount Sinai School of Medicine, New York City, United States

7 HEMOCOMPATIBILITY: NOVEL CONCEPT TO ASSESS THE INTRINSIC THROMBOGENICITY OF VASCULAR IMPLANTS
M. H. Wilhelmi1; D. Noske1; T. Francis1; K. F. Gratz2; M. von Depka3; R. Mischke4; A. Haverich1
1Dept for Thoracic and Cardiovascular Surgery Hannover Medical School, Hannover, Germany; 2Dept for Nuclear Medicine Hannover Medical School, Hannover, Germany;
CELL FUSION OF BONE MARROW-DERIVED STEM CELLS WITH CARDIOMYOCYTES IN A HETEROLOGOUS IN-VITRO MODEL
J. Garbade; A. Schubert; M. Barten; A. Rastan; T. Walther; J. Gummert; S. Dhein; F. Mohr
Department of Cardiac Surgery Heart Center Leipzig
University of Leipzig, Leipzig, Germany

REAL-TIME 3D ECHO-GUIDED CLOSURE OF ASD: AN EXPERIMENTAL STUDY
K. Orihashi
Hiroshima University Hospital, Hiroshima, Japan
4 PLATELET FUNCTION TESTS PREDICT BLEEDING AND THROMBOTIC EVENTS AFTER OFF-PUMP CORONARY BYPASS GRAFTING
R. Poston¹; J. Gu¹; D. Prastein¹; J. Brown¹; J. Gammie¹; T. Avari²; B. Griffith¹; R. Poston¹
¹University of Maryland School of Medicine, Baltimore, United States; ²Chronolog Inc, Hawerton, United States

5 LEFT VENTRICULAR MASS INDEX AS A PROGNOSTIC FACTOR IN PATIENTS WITH SEVERE AORTIC STENOSIS AND VENTRICULAR DYSFUNCTION.
R. Garcia-Fuster; J. Montero; O. Gil; F. Hornero; S. Canovas; M. Bueno; J. Buendia; I. Rodriguez
Universitary General Hospital of Valencia, Valencia, Spain

6 GRAFT PATENCY TWO MONTHS AFTER EMPLOYMENT OF A 30° END-TO-SIDE CORONARY ANASTOMOSIS COUPLER
A. Böning¹; F. Schöneich¹; E. Bagaev²; U. Klima²; J. Cremer¹
¹Department of Cardiovascular Surgery University Hospital of Schleswig Holstein, Kiel, Germany; ²Department of Thoracic and Cardiovascular Surgery Hannover Medical School, Hannover, Germany

7 IMMUNOLOGICAL AND ECHOCARDIOGRAPHIC EVALUATION OF DECELLULARIZED VERSUS CRYOPRESERVED HOMOGRAFTS DURING THE ROSS OPERATION.
F. D. Costa¹; P. M. Dohmen²; D. Duarte¹; C. von Glenn¹; S. Lopes¹; H. Haggi Filho¹; M. B. Costa¹; W. Konertz²
¹Santa Casa de Curitiba PUCPr, Curitiba, Brazil; ²Charite Hospital Humboldt University Berlin, Berlin, Germany

8 IMPACT OF SURGICAL TECHNIQUE ON RIGHT VENTRICULAR FUNCTION: COMPARISON OF ON-PUMP VERSUS OFF-PUMP CORONARY REVASCULARIZATION; AN ECHOCARDIOGRAPHIC STUDY
F. H. Bernet¹; I. Micheaux²; M. Filipovic²; H. Zerkowski¹; M. Seeberger²
¹Division of Cardiothoracic Surgery University Hospital Basel, Basel, Switzerland; ²Department of Anesthesia University Hospital Basel, Basel, Switzerland

9 IN-VITRO STUDY ON THE RELATIONSHIP BETWEEN PROGRESSIVE SINU-TUBULAR JUNCTION DILATION AND AORTIC REGURGITATION FOR SEVERAL AORTIC VALVE SUBSTITUTES
A. Nötzold¹; M. Scharfschwerdt¹; L. Thiede¹; M. Hüppe²; H. H. Sievers¹
¹University Hospital Department of Cardiac Surgery, Luebeck, Germany; ²University Hospital Department of Anesthesiology, Luebeck, Germany

10 GENE THERAPY OF ADVANCED CORONARY ARTERY DISEASE AS THE ONLY TREATMENT IN "NO OPTION PATIENTS".
P. Kolsut; M. Malecki; P. Zelazny; Z. Religa; P. Janik
Cardiac Surgery Department Institute of Cardiology, Warsaw, Poland

Tuesday, 14 September, 2004

8:30 AM - 10:15 AM Session 18 Thoracic Oncology/Oesophagus Interactive Chairman: A. Lerut P. Thomas

1 INTRATHORACIC FLUID VOLUMES CHANGES AFTER LUNG SURGERY
C. Schroeder; K. Kuhn; P. Macchiarini
Dept of Thoracic and Vascular Surgery Heidehaus MHH, Hannover, Germany

2 COMPARATIVE EVALUATION OF INTRAOPERATIVE SENTINEL LYMPH NODE DETECTION IN NON-SMALL CELL LUNG CANCER (NSCLC) BY USE OF RADIOISOTOPIC AND COLOURIMETRIC TECHNIQUES (PATENT V BLUE AND FLUORESCEINE)
A. Meyer¹; C. Antonescu²; E. Pezzetta¹; A. Bischof Delaloye²; H. Ris¹
¹Thoracic Surgery Unit CHUV University of Lausanne, Lausanne, Switzerland; ²Department of Nuclear Medicine CHUV University of Lausanne, Lausanne, Switzerland

3 EFFECT OF THE TECHNIQUE OF LYMPH NODE SAMPLING ON OUTCOME IN PATIENTS WITH STAGE I NON–SMALL-CELL LUNG CANCER
C. Doddoli³; A. Aragon¹; F. Barlesi³; B. Chetaille³; X. B. D’Journo¹; R. Giudicelli¹; P. A. Fuentes¹; P. A. Thomas²
¹Department of Thoracic Surgery Ste Marguerite University Hospital, Marseille, France; ²UPRES Physiopathologie Respiratoire UFR Jean Roche, Marseille, France; ³Thoracic Oncology Ste Marguerite University Hospital, Marseille, France; ⁴Department of Pathology Ste Marguerite University Hospital, Marseille, France

4 PROGNOSTIC SIGNIFICANCE OF BONE MARROW ISOLATED TUMOR CELLS WITH ABNORMAL DNA-PLOIDY IN NON-SMALL CELL LUNG CANCER PATIENTS
5 SHOULD TUMORS WITH INTERLOBAR PLEURAL INVASION BE CLASSIFIED AS T2 OR T3 IN NON-SMALL CELL LUNG CARCINOMA?
A. K. CANGIR; C. YUKSEL; G. CETINKANAT; H. KUTLAY; M. AKAL; H. AKAY
ANKARA UNIVERSITY SCHOOL OF MEDICINE
DEPARTMENT OF THORACIC SURGERY, ANKARA, Turkey

6 TUMOUR RESPONSE TO NEOADJUVANT CHEMOTHERAPY IN OESOPHAGEAL CANCER: CAN POSITRON EMISION TOMOGRAPHY REFLECT THIS?
P. A. Hayward¹; S. Swift¹; M. Utley²; S. W. Fountain¹; E. R. Townsend¹
¹Harefield Hospital, Harefield, United Kingdom;
²University College, London, United Kingdom

7 MORPHOLOGICAL CHARACTERISTICS AND CYTOCHERATIN (CK7, CK20) EXPRESSION IN ADENOCARCINOMA OF THE OESOPHAGUS AND CARDIA: A DUAL AETIOLOGY?
S. Mattioli¹; M. P. Di Simone¹; B. Corti²; A. D'Errico²; A. Ruffato¹; M. L. Lugaresi¹; F. D'Ovidio¹
¹Division of Esophageal and Pulmonary Surgery Dpt Surgery Intensive Care and Transplants University of Bologna, Bologna, Italy; ²F Addarri Institute Pathology Unit Dpt of Oncology and Hematology University of Bologna, Bologna, Italy

8 THE GLUCOSE TRANSPORTER GLUT-1 IS DIFFERENTIALLY EXPRESSED IN SQUAMOUS CARCINOMA AND ADENOCARCINOMA OF THE OESOPHAGUS: IMPLICATIONS FOR STAGING WITH PET
A. Alzetani¹; J. Gregory³; S. J. Darnton¹; F. Harrison²; F. J. Collins¹; P. B. Rajesh¹; D. Pagano⁴
¹Regional Department of Thoracic Surgery at Birmingham Heartlands Hospital, Birmingham B9 5SS, United Kingdom; ²Digestive Diseases Centre at University Department of Genetics and Molecular Medicine at Leicester Royal Infirmary, Leicester LE1 5WW, United Kingdom; ³Department of Pathology at University of Birmingham Medical School, Birmingham B15 2T, United Kingdom
THE IMPACT OF HYPERBARIC OXYGENATION ON THE OXYGEN SUPPLY OF ESOPHAGOESTRIC ANASTOMOSIS.
U. C. Anegg; A. Maier; H. Klemen; J. Smolle; F. M. Smolle-Juttner
1 Clinical department of thoracic surgery and hyperbaric medicine Medical University, Graz, Austria; 2 Clinic of dermatology Medical University, Graz, Austria

TEN-YEAR FUNCTIONAL FOLLOW-UP OF TAILORED SURGERY FOR ESOPHAGEAL BODY DIVERTICULA.
V. Porziella; D. Galetta; M. Marchese; A. Cesar; P. Granone
Division of General Thoracic Surgery Catholic University, Rome, Italy

Tuesday, 14 September, 2004

8:30 AM - 10:15 AM Session 19 Thoracic Vascular H G Bost Award Oral
Chairman: M Cotrufo S Hagl

1 INCREASED AORTIC WALL STRESS IN AORTIC INSUFFICIENCY: CLINICAL DATA AND COMPUTER MODEL
C. J. Beller; M. R. Labrosse; M. J. Thubrikar; G. Szabo; F. Robicsek; S. Hagl
1 University Hospital Heidelberg, Heidelberg, Germany; 2 Heineman Medical Research, Charlotte, United States

2 SURGERY FOR ACUTE TYPE A AORTIC DISSECTION: THE EFFECT OF ANTEGRADE SELECTIVE CEREBRAL PERFUSION ON EARLY OUTCOME OF ELDERLY PATIENTS
M. Di Eusanio; M. A. Schepens; W. Morshuis; R. Di Bartolomeo; D. Pacini; G. Di Eusanio; T. Kazui; N. Washiyama
1 GM Lancisi Hospital Cardiac Surgery Dept, Ancona, Italy; 2 St Antonius Hospital Cardiopulmonary Surgery Dept, Nieuwegein, Netherlands; 3 Policlinico S Orsola University of Bologna Cardiac Surgery Dept, Bologna, Italy; 4 Hamamatsu University School of Medicine First Dept of Surgery, Hamamatsu, Japan

3 COMPOSITE ROOT REPLACEMENT IN ACUTE TYPE A DISSECTION: TIME TO RETHINK THE INDICATIONS?
J. C. Halstead; D. Spielvogel; D. M. Meier; S. Rinke; C. Bodian; M. Ergin; R. B. Griep
Mount Sinai School of Medicine, New York City, United
ARCH REPAIR WITH UNILATERAL ANTEGRADE CEREBRAL PERFUSION
S. A. Kucuk1; M. A. Ozatik1; A. Saritas1; O. Tasdemir2
1Cardiovascular Surgery Clinic Turkiye Yuksek Ihtisas Hospital, Ankara, Turkey; 2Cankaya Hospital, Ankara, Turkey

THE ‘FROZEN’ ELEPHANT TRUNK TECHNIQUE FOR THE TREATMENT OF EXTENSIVE THORACIC AORTIC ANEURYSMS: OPERATIVE RESULTS AND FOLLOW-UP
M. Karck; A. Chavan; N. Khaladj; C. Hagl; A. Haverich Hannover Medical School, Hannover, Germany

STENT GRAFTING TECHNIQUE USING MATSUI-KITAMURA (MK) STENT FOR PATIENTS WITH AORTIC ARCH ANEURYSM
J. Akasaka; K. Tabayashi; Y. Saiki; K. Oda; K. Kumagai Department of Cardiovascular Surgery Tohoku University Graduate School of Medicine, Sendai, Japan

RISK FACTORS FOR SECONDARY DILATATION OF THE AORTA AFTER ACUTE TYPE A AORTIC DISSECTION
F. F. Immer; U. Hagen; P. A. Berdat; B. Kipfer; F. S. Eckstein; J. Schmidli; T. P. Carrel
Department of Cardiovascular Surgery, Berne, Switzerland

Tuesday, 14 September, 2004

8:30 AM - 10:15 AM Session 20 Cardiac Assist Interactive Chairman: F Schmid J Pepper

1 COMPARISON OF THE CARDIOWEST TOTAL ARTIFICIAL HEART AND THE THORATEC BI-VENTRICULAR ASSIST SYSTEM IN BRIDGE TO TRANSPLANTATION
O. Baron; M. Kharroubi; J. Roussel; M. Treilhaud; O. Al Habash; P. Despins; J. Michaud; D. Duveau
Cardiac Surgery Department, Nantes, France

2 PNEUMATIC PULSATILE VENTRICULAR ASSIST DEVICE IN SMALL INFANTS AND CHILDREN
B. Stiller1; Y. Weng2; M. Hübler3; E. Hennig3; M. Redlin3; N. Nagdyman1; P. E. Lange1; R. Hetzer2
1Department of Congenital Heart Disease Deutsches Herzzentrum, Berlin, Germany; 2Department of Thoracic and CardioVascular Surgery Deutsches Herzzentrum, Berlin, Germany; 3Department of Anaesthesia Deutsches Herzzentrum, Berlin, Germany

3 CEREBRAL OUTCOME OF PATIENTS TREATED
WITH EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO)
I. Risnes; K. Wagner; T. Nome; J. Jensen; T. Ueland; T. Pedersen; H. Karlsen; J. L. Svennevig

University hospital Rikshospitalet, Oslo, Norway

FIRST EXPERIENCE WITH A PORTABLE DRIVER FOR A TOTAL ARTIFICIAL HEART
A. El-Banayosy; L. Arusoglu; M. Morshuis; C. Raddatz; D. Cobaugh; R. Koerfer
Heart and Diabetes Center NRW, Bad Oeynhausen, Germany

REVERSIBILITY OF MEDICALLY UNRESPONSIVE PULMONARY HYPERTENSION DURING NON-PULSATILE LEFT VENTRICULAR ASSISTANCE IN CARDIAC TRANSPLANT CANDIDATES
C. Etz; H. Welp; M. Rothenburger; F. Wenzelburger; T. T. Tjan; H. H. Scheld; C. Schmid
Dept of Thoracic and Cardiovascular Surgery, Muenster, Germany

THE PERCUTANEOUS TANDEM LVAD SYSTEM: EFFICIENT, CHEAP AND VERSATILE
T. Carrel¹; S. Windecker²; J. Schmidli¹; P. Mohacsi²; B. Meier²
¹Clinic for Cardiovascular Surgery University Hospital, Berne, Switzerland; ²Division of Cardiology University Hospital, Berne, Switzerland

FIRST EXPERIENCES WITH A NOVEL MAGNETICALLY SUSPENDED AXIAL FLOW LEFT VENTRICULAR ASSIST DEVICE
E. V. Potapov; Y. Weng; M. Pasic; T. Drews; M. Jurmann; E. Henning; J. Müller; R. Hetzer
Deutsches Herzzentrum Berlin, Berlin, United Kingdom

IMPROVED RESULTS WITH THE NOVACOR LVAS USING NEW EPTFE INFLOW CONDUITS AND INTENSIFIED ANTICOAGULATION MANAGEMENT
I. Kaczmarek¹; J. Groetzner¹; R. Halfmann²; P. Jansen²; P. Uberfuhr¹; S. Daebritz¹; B. Meiser¹; B. Reichart¹
¹LMU Grosshadern University Hospital, Munich, Germany; ²WorldHeart BV, Heesch, Netherlands

BENEFICIAL EFFECTS OF CLENBUTEROL DURING LV MECHANICAL UNLOADING - AN EXPERIMENTAL STUDY TOWARDS THE “BRIDGE TO RECOVERY”
H. Tsuneyoshi; O. Unimont; H. Kanemitsu; T. Nishina; T.
INFLUENCE OF DIFFERENT IMPLANTATION TECHNIQUES ON AV VALVE COMPETENCE IN ORTHOTOPIC HEART TRANSPLANTATION.
A. Koch¹; A. Rempiss²; T. J. Dengler²; P. A. Schnabel³; S. Hagl¹; F. U. Sack¹
¹Department of Cardiac Surgery University of Heidelberg, Heidelberg, Germany; ²Department of Cardiology, Heidelberg, Germany; ³Institute of Pathology, Heidelberg, Germany

Tuesday, 14 September, 2004

8:30 AM - 10:15 AM Session 21 Congenital Oral
Hall 2

Chairman: G Ziemer G Stellin

1 ORGAN PRESERVATION VERSUS TRANSPLANTATION IN GROWN-UPS WITH CONGENITAL HEART DISEASE (GUCH)
S. H. Daebritz¹; J. S. Sachweh¹; J. Groetzner¹; E. G. Muehler²; H. Gulbins¹; A. R. Tiete¹; B. Reichart¹
¹Department of Cardiac Surgery Ludwig Maximilians University Klinikum Grosshadern, Munich, Germany; ²Department of Pediatric Cardiology University Hospital, Aachen, Germany

2 IMMUNOLOGICAL VARIABLES DO NOT INFLUENCE THE SURVIVAL OF CRYOPRESERVED HOMOGRAFTS
B. Meyns¹; R. Jashari²; M. Gewillig³; L. Mertens³; A. Komarek⁴; E. Lesaffre⁴; W. Daenen¹
¹Department Cardiac Surgery KUL, Leuven, Belgium; ²European Homograft Bank, Brussels, Belgium; ³Department Pediatric Cardiology KUL, Leuven, Belgium; ⁴Biostatistical Centre KUL, Leuven, Belgium

3 RIGHT VENTRICLE-TO-PULMONARY ARTERY SHUNT (RV-PA) AND MODIFIED BLALOCK-TAUSSIG SHUNT (BTS) IN PREPARATION TO HEMI-FONTAN PROCEDURE IN CHILDREN WITH HYPOPLASTIC LEFT HEART SYNDROME
K. Januszewska; J. Kolcz; T. Mroczek; M. Procelewska; E. Malec
Department of Pediatric Cardiac Surgery Jagiellonian University, Cracow, Poland

4 OUTCOME OF PATIENTS WITH HETEROTAXY SYNDROME SINGLE VENTRICLE AFTER STAGED PALLIATION WITH BI-DIRECTIONAL GLENN SHUNT.
M. S. Koudieh¹; E. Dean McKenzie¹; C. D. Fraser,Jr¹
STAGED SURGICAL REPAIR OF FUNCTIONAL SINGLE VENTRICLE IN INFANTS WITH EXCESSIVE PULMONARY BLOOD FLOW

J. W. Brown; M. Ruzmetov; M. Schamberger; M. D. Rodefeld; D. Girod; M. W. Turrentine

Indiana University School of Medicine, Indianapolis, United States

AN ATTEMPT AT DATA VERIFICATION IN THE EACTS CONGENITAL DATABASE

B. Maruszewski; F. Lacour-Gayet; J. Monro; B. Keogh; Z. Tobota; A. Kansy

1Department of Pediatric Cardiothoracic Surgery The Childrens Memorial Health Institute, Warsaw, Poland; 2Denver Childrens Hospital University of Colorado, Denver, United States; 3Cardiothoracic Surgical Unit Queen Elizabeth Hospital, Birmingham, United Kingdom; 4Southampton General Hospital, Southampton, United Kingdom

Tuesday, 14 September, 2004

11:00 AM - 12:00 PM Session 22 Valves Oral

Chairman: F Mohr J Revuelta

1 SMALL ISCHEMIC BRAIN LESIONS AFTER VALVE SURGERY DETECTED BY MRI: DO THEY RELATE TO NEUROCOGNITIVE FUNCTION

S. Knipp; N. Matatko; M. Schlamann; M. Thielmann; H. Wilhelm; P. Massoudy; H. Diener; H. Jakob

1Department of Thoracic and Cardiovascular Surgery West German Heart Center Essen, Essen, Germany; 2Department of Neurology, Essen, Germany; 3Institute of Diagnostic and Interventional Radiology, Essen, Germany

2 OFF-PUMP MITRAL VALVE REPAIR WITH COAPSYS, A Viable Option for Ischemic Mitral Regurgitation Patients Undergoing CABG: 3 Month Results

Y. Mishra; S. Mittal; P. Jaguri; Y. Mehta; N. Trehan

Escorts Heart Institute and Research Center, New Delhi, India

3 DOUBLE-CROWNED VALVED STENTS FOR OFF-PUMP MITRAL VALVE REPLACEMENT

L. Ma; C. Huber; P. Tozzi; L. K. von Segesser

Department of Cardiovascular Surgery CHUV, Lausanne, Switzerland
11:00 AM - 12:00 PM  Session 23 Thoracic Non Oncology Interactive
Chairman: M Mueller D Waller

1  EFFECT OF TRAINING ON PATIENT OUTCOMES FOLLOWING LOBECTOMY
N. Chaudhuri; A. D. Grayson; R. Grainger; M. Carr; A. S. Soorae; R. D. Page
The Cardiothoracic Centre, Liverpool, United Kingdom

2  A WAKE ONE STAGE BILATERAL THORACOSCOPIC SYMPATHECTOMY FOR PALMAR HYPERHIDROSIS: A SAFE OUTPATIENT PROCEDURE
S. Elia; G. Guggino; V. Ambrogi; T. C. Mineo
Thoracic Surgery Tor Vergata University, Rome, Italy

3  OUTPATIENT THORACIC SURGICAL PROCEDURES IN 170 PATIENTS.
C. M. Simón¹; L. Molins¹; A. Sierra²; M. Mateo²; G. Vidal¹
¹Thoracic Surgery Department Sagrat Cor Hospital University of Barcelona, Barcelona, Spain; ²Anesthesiology Department Sagrat Cor Hospital University of Barcelona, Barcelona, Spain

4  A RANDOMIZED TRIAL OF SUCTION VERSUS NO SUCTION TO UNDERWATER SEAL DRAINS FOLLOWING LUNG RESECTION
N. Alphonso¹; C. Tan¹; J. Dussek¹; R. Cameron¹; M. Utley²; T. Treasure¹
¹Guys Hospital, London, United Kingdom; ²University College London, London, United Kingdom

5  CHEST-TUBE AIRFLOWMETRY: A NOVEL METHOD FOR QUANTIFICATION OF AIR-LEAKS
V. Matzi¹; A. Maier¹; L. Fritz²; F. Tomaselli³; O. Sankin¹; F. M. Smolle-Jüttner¹
¹Department of Thoracic and Hyperbaric Surgery University Medical School, Graz, Austria; ²Department of Biomedicine Technical University Graz, Graz, Austria

6  CAN WE ANTICIPATE RESPIRATORY COMPLICATIONS 24 HOURS BEFORE?
VALIDATION OF THE FLAM SCORE
F. Leo; N. Venissac; D. Pop; B. Karimdjee
Thoracic Surgery Dept Pasteur Hospital CHU, Nice,
France

Tuesday, 14 September, 2004

11:00 AM - 12:00 PM Session 24 Cardiac Experimental Interactive
Chairman: G Angelini U Melhorn

1 ELECTROPORATION MEDIATED GENE TRANSFER OF HUMAN INTERLEUKIN-10 TO SKELETAL MUSCLE REDUCES ACUTE REJECTION IN RAT CARDIAC ALLOGRAFTS
R. Tavakoli1; A. Gazdhar1; J. Pierog1; A. Bagdannova4; M. Gugger5; S. Hyde2; M. Genoni3; R. Schmid1
1Division of General Thoracic Surgery University Hospital Bern, Bern, Switzerland; 2Gene Therapy Research Group Nuffield Department of Clinical Laboratory Science University of Oxford, Oxford, United Kingdom; 3Division of Cardiac Surgery Trimeli Hospital, Zurich, Switzerland; 4Institute of Veterinary Physiology University of Zurich, Zurich, Switzerland; 5Department of Pathology University of Bern, Bern, Switzerland

3 AN ADAPTATION PHASE OF LOW-FLOW IMPROVES SHEAR-STRESS RESISTANCE OF ARTIFICIALLY SEEDED ENDOTHELIAL CELLS
H. Gulbins1; R. Petzold1; A. Pritisanac1; M. Dauner2; M. Doser2; B. Meiser1; B. Reichart1; S. Daebritz1
1Department of Cardiac Surgery University Hospital Grosshadern, Munich, Germany; 2Institute of textile and process engineering, Denkendorf, Germany

4 PRINTING ENDOTHELIAL CELLS USING AN INKJET PRINTER
M. DESHPANDE1; T. BOLAND1; T. XU1; D. VARGHESE2; P. KESARI1; S. OHRI2
1CLEMSON UNIVERSITY, CLEMSON, United States; 2SOUTHAMPTON GENERAL HOSPITAL, SOUTHAMPTON, United Kingdom

5 VENOUS STIFFNESS PROGRESSES WITH AGE IN PATIENTS WITH ISCHAEMIC HEART DISEASE AND IS ASSOCIATED WITH ARTERIAL STIFFNESS.
K. N. Kotidis; L. Hadjinikolaou; M. Galíñanes
Department of Integrative Human Cardiovascular Physiology and Cardiac Surgery University of Leicester the Glenfield Hospital, Leicester, United Kingdom

6 P38MAPK IS AT THE CROSSROAD OF PROTECTION BY ISCHAEMIC PRECONDITIONING OF THE HUMAN MYOCARDIUM AGAINST CELL DEATH.
H. A. Vohra; A. G. Fowler; M. Galíñanes
Session 25 Transplantation Interactive

Chairman: A Haverich M Zembala

1. MATRIX METALLOPROTEASES IN BAL FLUID: DISCRIMINATING THE BO AND WOUND HEALING-INDUCED REMODELING IN LUNG GRAFTS
   K. Krenn¹; S. Taghavi²; D. Abraham¹; W. Klepetko²; S. Aharinejad²
   ¹Cardiovascular Research Group Vienna Medical University, Vienna, Austria; ²Department of Cardiothoracic Surgery Vienna Medical University, Vienna, Austria

2. INTRATHYMIC DONOR CELL CHIMERISM AND PERIPHERAL CD4+CD25+ REGULATORY T-CELLS IN TOLERANT PORCINE LUNG ALLOGRAFT RECIPIENTS
   G. Warnecke; M. Avsar; R. Reinhard; C. Peters; S. P. Sommer; A. R. Simon; A. Haverich; M. Strüber
   Hannover Medical School, Hannover, Germany

3. PRESSURE-CONTROLLED REPERFUSION COMBINED WITH INHALATION OF AEROSOLIZED ILOPROST PROTECTS AGAINST SEVERE ISCHEMIA-REPERFUSION INJURY IN ISOLATED PERFUSED RABBIT LUNGS
   S. Guth; T. Kramm; D. Prüfer; A. Peivandi; E. Mayer
   Department of Cardiothoracic and Vascular Surgery, Mainz, Germany

4. IN VIVO VISUALIZATION OF PULMONARY MICROCIRCULATION AFTER LUNG TRANSPLANTATION
   M. Kamler; V. Milekhin; N. Pizanis; A. Krapivski; I. Aleksic; H. Jakob
   West Germany Heart Center, Essen, Germany

5. LONG-TERM RESULTS OF LUNG TRANSPLANTATION IN RECIPIENTS UNDER 16 YEARS OF AGE.
   A. Alvarez; F. Algar; F. Santos; R. Lama; C. Baamonde; F. Cerezo; A. Salvatierra
   Lung Transplantation Unit University Hospital Reina Sofia, Cordoba, Spain

6. FEASIBILITY OF DYNAMIC HIGH RESOLUTION
ELECTRON BEAM COMPUTED TOMOGRAPHY FOR DIAGNOSING BRONCHIOLITIS OBLITERANS SYNDROME (BOS) IN LUNG TRANSPLANT RECIPIENTS
H. B. Lehmkuhl; F. Knollmann; H. Böttcher; M. Dandel; O. Grauhan; C. Knosalla; R. Felix; R. Hetzer
Deutsches Herzzentrum Berlin, Berlin, Germany

Tuesday, 14 September, 2004

11:00 AM - 12:00 PM Session 26 Congential Forum
Chairman: J Comas H Edmunds

1 FONTAN CONVERSION WITH ARRHYTHMIA SURGERY
W. Kim¹; H. Lim¹; J. Lee¹; J. Rho¹; E. Bae²; C. Noh²; Y. Yun²; Y. Kim¹
¹Dept of Thoracic and Cardiovascular Surgery Seoul National University Hospital, Seoul, Korea (South);
²Dept of Pediatric Cardiology Seoul National University Hospital, Seoul, Korea (South)

2 ARTERIAL SWITCH OPERATION FOR TRANSPOSITION OF THE GREAT ARTERIES WITH CORONARY ARTERIES FROM A SINGLE AORTIC SINUS: RESULTS OF INDIVIDUALIZED TECHNIQUE
S. Sung¹; Y. Chang¹; S. Kim²; J. Woo²; H. Lee³; Y. Lee⁴
¹Department of Thoracic and Cardiovascular Surgery Pusan National University Hospital, Pusan, Korea (South);
²Department of Thoracic and Cardiovascular Surgery DongA University Hospital, Pusan, Korea (South);
³Department of Pediatrics Pusan National University Hospital, Pusan, Korea (South);
⁴Department of Pediatrics DongA University Hospital, Pusan, Korea (South)

3 PROSPECTIVE RANDOMIZED TRIAL COMPARING REDIVAC™ VERSUS CONVENTIONAL DRAINAGE AFTER PEDIATRIC HEART SURGERY
A. Newcomb; N. Alphonso; A. Cochrane; M. Nørgaard; T. R. Karl; C. Brizard
Royal Childrens Hospital, Melbourne, Australia

4 UNILATERAL ABSENCE OF THE PULMONARY ARTERY IN TETRALOGY OF FALLOT: TWENTY-YEARS SURGICAL EXPERIENCE
L. A. Bockeria; V. P. Podzolkov; O. A. Makhachev; M. A. Zelenikin; B. G. Alekyan; A. A. Gadjiev; G. V. Lobacheva; T. K. Khiriev
Bakoulev Center for Cardiovascular Surgery, Moscow,
LONG-TERM RESULTS OF RIGHT VENTRICULAR OUTFLOW TRACT RECONSTRUCTION USING HANDMADE TRILEAFLET CONDUIT
M. Koh; T. Yagihara; H. Uemura; K. Kagisaki; I. Hagino; K. Uemura; T. Ishizaka; S. Kitamura
National Cardiovascular Center, Osaka, Japan

ASSESSMENT OF QUALITY OF LIFE IN GUCH ASD II PATIENTS POSTOPERATIVELY: COMPARISON OF PATIENTS TREATED WITH MINIMALY INVASIVE CONTRA CONVENTIONAL SURGERY – UP TO 8 YEARS FOLLOW-UP.
D. Vondrys; T. Walther; I. Daehnert; M. Machac; F. W. Mohr; M. Kostelka
Heart Center Department of Cardiac Surgery University of Leipzig, Leipzig, Germany

Tuesday, 14 September, 2004
12:00 PM - 12:45 PM Honoured Guest Lecture Dr William G Williams,
Toronto Surgical outcomes in patients with congenital heart disease: expectations and realities
Moderator:

Tuesday, 14 September, 2004
2:00 PM - 2:45 PM Basic Science Lecture Prof. Dr. Thoms Eschenhagen,
Hamburg Creating three-dimensional engineered heart tissues from primary heart cells
Moderator:

Tuesday, 14 September, 2004
3:15 PM - 5:15 PM Session 27 Coronary & Valves Forum
Moderator: S Large J Pomar
1 MID-TERM FOLLOW UP OF PATIENTS WITH THE ST. JUDE MEDICAL AORTIC CONNECTOR SYSTEM FOR PROXIMAL VEIN GRAFT IN CABG
S. H. Lee; J. W. Lee; H. Song; C. H. Jong; S. J. Choo; M. G. Song
Department of Thoracic and Cardiovascular Surgery Asan Medical Center University of Ulsan College of Medicine, Seoul, Korea (South)

2 VALVE SURGERY IN PATIENTS 80 YEARS AND OVER: WHO IS AT INCREASED RISK?
A. Panza¹; G. Di Benedetto¹; E. Bossone²; A. Frigiola³; P. Masiello¹; S. Iesu¹; S. Cirri⁴; A. Distante⁵
¹Cardiac Surgery Division, Salerno, Italy; ²National
IS AORTIC VALVE REPLACEMENT IN PATIENTS WITH AORTIC VALVE STENOSIS PERFORMED TOO LATE?
U. Tochtermann¹; B. R. Osswald¹; P. Schnabel²; D. Badowski¹; P. Schweiger¹; S. Hagl¹
¹Department of Cardiac Surgery University of Heidelberg, Heidelberg, Germany; ²Department of Pathology University of Heidelberg, Heidelberg, Germany

PRIMARY STENTING VERSUS ENDOSCOPIC ATRAUMATIC CORONARY ARTERY BYPASS. COMPARISON OF TWO METHODS OF REVASCULARIZATION IN SINGLE LAD STENOSIS. TWO YEARS FOLLOW-UP
M. Cisowski¹; R. Ulczok¹; J. Drzewiecki²; A. Drzewiecka-Gerber²; A. Bochenek¹
¹First Department of Cardiac Surgery Medical University of Silesia, Katowice, Poland; ²First Department of Cardiology Medical University of Silesia, Katowice, Poland

BIOIMPEDANCE MEASUREMENT FROM ELECTRODES CONNECTED TO HEART STABILIZER
A. Kink; I. Rätsep
Smartimplant Ltd, Tallinn, Estonia

EVALUATION OF THE EFFECT OF RESIDENT TRAINING FOR MITRAL VALVE REPAIR SURGERY ON THE OUTCOME
C. Alexiou; G. Doukas; M. Oc; T. J. Spyt
Glenfield Hospital, Leicester, United Kingdom

SKELETONIZED RIGHT GASTROEPIPLOIC ARTERY: A BETTER CONDUIT FOR CORONARY REVASCULARIZATION
M. Diena; G. Lanzillo; R. Bonelli; G. Cerin
Cardioteam San Gaudenzio Clinic, Novara, Italy

REOPERATION IN PATIENTS WITH STENTLESS BIOPROSTHESIS: INCIDENCE AND MODES OF FAILURE.
R. Baillot; J. Métras; J. Dumesnil; P. Mathieu; F. Dagenais; J. Perron; G. Raymond; D. Doyle
Laval Hospital, Québec, Canada

REDUCED INFARCT SIZE AFTER INTRAMYOCARDIAL INJECTION OF MONONUCLEAR BONE MARROW CELLS IN CABG
PATIENTS
P. Tossios¹; J. Mueller-Ehmsen²; D. Moka³; C. Scheid⁴; U. Holtick¹; N. Uenal²; R. Schwinger²; U. Mehlhorn¹
¹Department of Cardiothoracic Surgery University of Cologne, Cologne, Germany; ²Department of Cardiology University of Cologne, Cologne, Germany; ³Department of Nuclear Medicine University of Cologne, Cologne, Germany; ⁴Department of Hematology University of Cologne, Cologne, Germany

10 THE EFFECT OF TOTAL ARTERIAL GRAFTING ON LONG-TERM OUTCOMES FOLLOWING CORONARY ARTERY BYPASS GRAFTING
A. Hassan; K. J. Buth; G. M. Hirsch; J. Legare
QEII Health Sciences Center, Halifax, Canada

11 LOW COMPLICATION RATE IN COMPLETE ARTERIAL MYOCARDIAL REVASCULARIZATION
M. Diena; G. Lanzillo; G. Cerin; L. Karazanishvili; M. Bobbio
Cardioteam Clinica San Gaudenzio, Novara, Italy

12 SURGICAL REPAIR OF POST INFARCTION VENTRICULAR SEPTAL DEFECTS: A NATIONAL EXPERIENCE
A. Jeppsson¹; H. Lidén¹; M. Hartford¹; K. Rådegran²
¹Sahlgrenska University Hospital, Gothenburg, Sweden; ²Karolinska Hospital, Stockholm, Sweden; ³Swedish Heart Surgery Registry, Stockholm, Sweden

Tuesday, 14 September, 2004
3:15 PM - 4:15 PM
Session 28 Thoracic Mixed Forum
Moderator: G Rocco T Treasure

1 OUTCOMES OF DIFFERENT SUTURING TECHNIQUES IN LONG SEGMENT TRACHEAL REPLACEMENT
Z. Szanto¹; G. Kovacs¹; V. Nagy¹; E. Röth²; T. F. Molnar¹
¹Department of Thoracic Surgery Surgical Clinic University of Pecs, Pécs, Hungary; ²Department of Surgical Research and Techniques, Pécs, Hungary

2 DETECTING THE LIMITS OF BRONCHIAL CLOSURE METHODS ON AN ANIMAL MODEL
C. Tezel; S. Urek; M. Keles; H. Kiral; A. Kosar; C. Dudu; B. Arman
Heybeliada Chest Disease and Thoracic Surgery Center, Istanbul, Turkey

3 A MODEL TO PREDICT THE DECLINE OF THE FORCED EXPIRATORY VOLUME IN ONE SECOND AND THE CARBON MONOXIDE LUNG DIFFUSION
CAPACITY EARLY AFTER MAJOR LUNG RESECTION
A. Brunelli; A. Sabbatini; F. Xiumé; A. Borri; M. Salati; R. D. Marasco; A. Fianchini
Unit of Thoracic Surgery Umberto I Regional Hospital
Ancona, Ancona, Italy

INCIDENCE OF CHEST WALL PARESTHESIA AFTER NEEDLESCOPIC VIDEO-ASSISTED THORACIC SURGERY FOR PALMAR HYPERHIDROSIS
A. D. Sihoe; C. S. Cheung; H. Lai; T. Lee; K. Thung; A. P. Yim
Division of Cardiothoracic Surgery of the Chinese University of Hong Kong, Hong Kong, China

FIBRIN GLUE USE IN THORACIC SURGERY WITH HIGH RISK OF COMPLICATIONS AND IT’S IMPACT ON POSTOPERATIVE OUTCOME. A COMPARISON WITH STANDARD TECHNIQUES, AND COST ANALYSIS IN A SERIES OF 180 PATIENTS.
P. Brega Massone¹; C. Lequaglie¹; B. Magnani²; F. Ferro³; B. Conti⁴
¹Santa Rita Hospital, Milan, Italy; ²Istituzioni Assistenziali Riunite, Pavia, Italy; ³Civil Hospital, Voghera, Italy; ⁴Istituto Nazionale Tumori, Milan, Italy

ESTIMATING HOSPITAL COSTS ATTRIBUTABLE TO PROLONGED AIR LEAK IN PULMONARY LOBECTOMY
G. Varela; M. F. Jiménez; N. Novoa; J. L. Aranda
Thoracic Surgery Section Salamanca University Hospital, Salamanca, Spain

Tuesday, 14 September, 2004
3:15 PM - 5:15 PM Session 29 Transplantation Forum
Moderator: G Laufer D van Raemdonck

TEN YEAR SURVIVAL AFTER PAEDIATRIC HEART TRANSPLANTATION: A SINGLE CENTRE EXPERIENCE
R. Radley-Smith; J. Wray; M. Fenton; A. Khaghani; M. Yacoub
Harefield Hospital, Harefield, United Kingdom

EPICARDIAL AND MICROVASCULAR GRAFT VESSEL DISEASE IN CHILDREN: INCIDENCE, COURSE AND PROGNOSIS
N. E. Hiemann¹; E. Wellhofer²; H. Abdul-Khaliq³; S. Thomann¹; R. Meyer¹; R. Hetzer¹
¹Deutsches Herzzentrum Berlin Department of
3 POLY-ADP-RIBOSE POLYMERASE (PARP)-INHIBITION PROTECTS AGAINST MYOCARDIAL AND ENDOTHELIAL REPERFUSION INJURY AFTER ORTHOTOPIC HEART TRANSPLANTATION
G. Szabo; U. Heger; C. Flechtenmacher; Z. Zsengeller; F. Sack; C. Szabo; S. Hagl
1Department of Cardiac Surgery University of Heidelberg, Heidelberg, Germany; 2Inotek Pharmaceuticals Corporation, Beverly, United States; 3Institute of Pathology University of Heidelberg, Heidelberg, Germany

4 PERIPHERAL BLOOD MYELOID DENDRITIC CELL DEPLETION DURING ACUTE REJECTION AFTER CLINICAL HEART TRANSPLANTATION
P. Athanassopoulos; L. M. Vaessen; A. H. Balk; A. P. Maat; W. Weimar; A. J. Bogers
Erasmus Medical Center, Rotterdam, Netherlands

5 CARDIAC XENOTRANSPLANTATION: 96-DAY MEDIAN SURVIVAL IN THE LABORATORY
C. G. McGregor; W. R. Davies; K. Oi; J. M. Schirmer; H. D. Tazelaar; R. C. Walker; G. W. Byrne; J. S. Logan
Mayo Clinic William J von Liebig Transplant Center, Rochester, MN, United States

6 EXTENDED DONOR LUNGS: ELEVEN YEARS EXPERIENCE IN A CONSECUTIVE SERIES
D. Lardinois; M. Banysch; S. Korom; P. Kestenholz; S. Hillinger; A. Boehler; R. Speich; W. Weder
1Division of Thoracic Surgery University Hospital Zurich, Zurich, Switzerland; 2Division of Pneumology University Hospital Zurich, Zurich, Switzerland; 3Department of Medicine University Hospital Zurich, Zurich, Switzerland

7 EXTENDED DONOR CRITERIA IN LUNG TRANSPLANTATION - A CLINICAL REALITY
C. Aigner; P. Jaksh; G. Winkler; G. Seebacher; G. Lang; S. Taghavi; W. Wisser; W. Klepetko
1Department of Cardiothoracic Surgery Vienna Medical University, Vienna, Austria; 2Thoracic Surgery Clinic Koranyi National Institute for Pulmonology, Budapest, Hungary

8 LONG-TERM OUTCOME FOLLOWING PULMONARY RE-TRANSPLANTATION
M. Strüber; S. Fischer; G. Warnecke; A. R. Simon; B.
PRE-TREATMENT OF DONOR WITH 1-DEAMINO-8-D-ARGININE VASOPRESSION AND PRE-TREATMENT OF RECIPIENT WITH COBRA VENOM FACTOR COULD ALLEVIATE EARLY GRAFT FAILURE IN THE SWINE-TO-CANINE PULMONARY XENOTRANSPLANTATION MODEL

Y. T. Kim; H. J. Kang; J. Lee; Y. S. Choi; J. Y. Kim; S. H. Lee; H. C. Wi; D. H. Jung

1Seoul National University College of Medicine
Xenotransplantation Research Center, Seoul, Korea (South); 2Hallym University College of Medicine, Anyang, Korea (South)

SYNERGISTIC EFFECT OF LOWDOSE CYCLOSPORINE A (CSA) AND HUMAN INTERLEUKIN-10 (HIL-10) OVEREXPRESSION IN SKELETAL MUSCLE ON ACUTE REJECTION IN RAT LUNG ALLOTRANSPLANTATION.

J. Pierog; A. Gazdar; M. Gugger; S. Hyde; I. Mathiesen; T. Grodzki; R. Schmid

1Division of General Thoracic Surgery University Hospital, Bern, Switzerland; 2Gene Therapy Research Group Nuffield Department of Clinical Laboratory Science University of Oxford, Oxford, United Kingdom; 3Department of Pathology University of Bern, Switzerland, Bern, Switzerland; 4Regional Hospital For Lung Diseases, Szczecin, Poland; 5Inovivo Oslo Research Park, Oslo, Norway

Tuesday, 14 September, 2004
3:15 PM - 5:15 PM Session 30 Cardiac General Interactive
Chairman: C Muneretto Q Melo

ASSOCIATION OF BODY MASS INDEX AND INDIVIDUAL RESPONSE IN DOSAGE ADJUSTMENT OF PHENPROCOUMON - AN PROSPECTIVE OBSERVATIONAL STUDY OF 269 IN-PATIENTS

G. Langebartels; C. Meyer zu Schwabedissen; V. Mevissen; R. Autschbach; R. Hoffmann; J. R. Ortlepp

1University of Aachen Department for Cardiothoracic Surgery, Aachen, Germany; 2University of Aachen Department for Cardiology, Aachen, Germany

CYBERTOOLS IMPROVE REACTION TIME IN OPEN HEART SURGERY

A. Beuchat; S. Taub; J. Saby; V. Dierick; L. von Segesser
CHUV CCV, Lausanne, Switzerland

REOPERATIONS, EMERGENCY AND URGENT CARDIAC SURGERY IN 50 JEHOVA´S PATIENTS:
DIFFERENT TRANSFUSION CRITERIA AS COMPARED WITH A GROUP OF CONTROL PATIENTS.
A. Krapivsky; N. Pizanis; S. Knipp; G. Marggraf; J. Schulte-Herbrueggen; P. Massoudy; J. Piotrowski; H. Jakob
Department of Thoracic and Cardiovascular Surgery West German Heart Center Essen, Essen, Germany

DIRECT INTRAMYOCARDIAL BONE MARROW STEM CELL INJECTION IN CABG PATIENTS
C. Stamm; H. Kleine; J. Lauffs; S. Dunkelmann; M. Petzsch; A. Liebold; B. Westphal; G. Steinhoff
University of Rostock, Rostock, Germany

EARLY APPLICATION OF THE OPEN LUNG CONCEPT IMPROVES LUNG VOLUME AFTER EXTUBATION IN CARDIAC SURGERY PATIENTS.
D. Dos Reis Miranda1; A. Struijs2; P. Koetsier1; R. J. van Thiel2; W. Hop3; B. Lachmann1; A. J. Bogers2; D. Gommers1
1Erasmus MC University Medical Centre Department of Anesthesiology, Rotterdam, Netherlands; 2Erasmus MC University Medical Centre Department of Cardiothoracic Surgery, Rotterdam, Netherlands; 3Erasmus MC University Medical Centre Department of Biostatistics, Rotterdam, Netherlands

SUBVALVULAR PRESERVATION IN MITRAL VALVE REPLACEMENT: DISCRIMINANT ANALYSIS BETWEEN THREE OPERATIVE TECHNIQUES.
R. Garcia-Fuster; J. Montero; O. Gil; F. Hornero; S. Canovas; M. Bueno; J. Buendia; I. Rodriguez
Universitary General Hospital of Valencia, Valencia, Spain

TISSUE ENGINEERED HEART VALVES: DEVELOPMENT AND HISTOLOGICAL CHARACTERIZATION OF A CELLULAR PORCINE VALVE.
A. Pépin; H. Pazzira; P. Mathieu
Laval Hospital, Sainte-Foy, Canada

ADVANCED RECONSTRUCTIVE SURGERY FOR MITRAL ENDOCARDITIS: IS THERE AN ADVANTAGE?
D. Glineur; P. Noirhomme; E. Lemaire; P. Astarci; R. Verhelst; J. Rubay; A. Poncelet; G. El Khoury
Universite Catholique de Louvain, Brussels, Belgium

LOAD MANIPULATION TESTS FOR EVALUATION OF RESIDUAL MITRAL REGURGITATION AFTER MITRAL REPAIR
G. La Canna; F. Maisano; Z. Ziskind; A. Castiglioni; L.
10 HISTOLOGICAL EVALUATION OF DECELLULARISED PORCINE AORTIC VALVES: MATRIX CHANGES DUE TO DIFFERENT DECELLULARISATION METHODS
R. W. Grauss; M. G. Hazekamp; F. Oppenhuizen; C. J. van Munsteren; A. C. Gittenberger-de Groot; M. C. DeRuiter
1Department of Anatomy and Embryology Leiden University Medical Center, Leiden, Netherlands; 2Department of Cardiothoracic Surgery Leiden University Medical Center, Leiden, Netherlands

11 THE AORTIC ANNULUS EXTENSIBILITY ON MRI STUDIES IS RESTORED WITH THE SUPRA-ANNULAR IMPLANTATION OF THE CRYOLIFE-O’BRIEN STENTLESS VALVE: 10 YEAR FOLLOW-UP OF 402 PATIENTS
M. F. O’Brien; M. A. Gardner; B. Garlick; H. Jalali; J. A. Gordon; S. L. Whitehouse; W. E. Strugnell; R. E. Slaughter
1The Prince Charles Hospital, Brisbane, Australia; 2Queensland University of Technology, Brisbane, Australia

12 DESTRUCTIVE ENDOCARDITIS: FACTORS INFLUENCING SURGICAL OUTCOME
H. Siniawski; O. Grauhan; M. Hofmann; M. Pasic; Y. Weng; R. Hetzer
Deutsches Herzzentrum Berlin, Berlin, Germany

Tuesday, 14 September, 2004
3:15 PM - 5:15 PM Session 31 Congenital Interactive
Chairman: P Vouhe A Urban

1 ARTERIAL SWITCH FOR TRANSPOSITION OF THE GREAT ARTERIES (D-TGA): ENTIRE EXPERIENCE AT A SINGLE INSTITUTION
T. J. Jones; M. R. Adrianzen; S. Laker; D. J. Barron; W. J. Brawn
Birmingham Childrens Hospital, Birmingham, United Kingdom

2 LONG-TERM RESULTS AFTER THE ARTERIAL SWITCH OPERATION IN OVER 450 CONSECUTIVE PATIENTS
J. Cleuziou; F. Haas; C. Schreiber; J. Hörer; K. Holper; R. Lange
Clinic for Cardiovascular Surgery German Heart Centre Munich Technical University of Munich, Munich, Germany
3 REVIVAL OF RAPID 2-STAGE ARTERIAL SWITCH PROCEDURE FOR TRANSPOSITION OF GREAT ARTERIES
A. Bhan; V. Devaguru; S. Kothari; R. Juneja; S. Shah; S. Das; P. Venugopal
ALL INDIA INSTITUTE OF MEDICAL SCIENCES, NEW DELHI, India

4 GLENN AND ADDITIONAL FORWARD PULMONARY BLOOD FLOW: TEMPORARY OR DEFINITIVE PALLIATION?
N. Salviato¹; S. Ocello¹; C. Mignosa²; L. Zannini³; C. F. Marcelletti¹
¹Division of Paediatric Cardiac Surgery Ospedale Civico, Palermo, Italy; ²Division of Paediatric Cardiac Surgery Ospedale San Vincenzo, Taormina, Italy; ³Division of Paediatric Cardiac Surgery Ospedale Gaslini, Genova, Italy

5 EXTRACARDIAC FONTAN OPERATION (ECFO). MID-TERM STATUS OF IMPLANTED GORE-TEX CONDUIT
S. Ovroutski; P. Ewert; V. Alexi-Meskishvili; R. Hetzer; P. Lange
German Heart Institute Berlin, Berlin, Germany

7 A NEW LEFT PULMONARY ARTERY ANGIOPLASTY TECHNIQUE USING AN AUTOLOGOUS MAIN PULMONARY ARTERY FLAP IN TETRALOGY OF FALLOT PATIENTS
C. Lee¹; Y. Jeon¹; M. Back²; S. Oh²; Y. Lee³
¹Gachon Medical School Gil Heart Center, Incheon, Korea (South); ²Sejong General Hospital Sejong Heart Center, Pucheon, Korea (South); ³Samsung Medical Center Sungkyunkwan University, Seoul, Korea (South)

8 SURGERY FOR RIGHT VENTRICLE TO PULMONARY ARTERY CONDUIT OBSTRUCTION: RISK FACTORS FOR A SECOND REOPERATION
S. Mohammadi; E. Belli; L. Houyel; A. Capderou; J. Petit; C. Planche; A. Serraf
Marie LanneLongue Hospital, Le Plessis Robinson, France

9 OVERSIZING PULMONARY HOMOGRAGT CONDUITS DOES NOT DECREASE ALLOGRAFT FAILURE IN CHILDREN
T. Karamlou; B. Alsoufi; R. Ungerleider; G. Burch; M. Silberbach; M. Reller; I. Shen
Oregon Health and Science University, Portland, United States

10 RESULTS OF THE CONTEGRA EUROPEAN MULTICENTER STUDY AFTER 4.5 YEARS
T. Breymann; M. Wojtalik; W. Daenen; R. Hetzer; G. Sarris; G. Stellin; U. Blanz; D. Naftel

1Hannover Medical University, Hannover, Germany;
2University of Medical Sciences, Poznan, Poland;
3Gasthuisberg University Hospital, Leuven, Belgium;
4Deutsches Herzzentrum Berlin, Berlin, Germany;
5Onassis Cardiac Surgery Center, Athens, Greece;
6University of Padova Medical School, Padova, Italy;
7Heart Center North Rhine Westphalia, Bad Oeynhausen, Germany;
8University of Alabama in Birmingham, Birmingham, United States

12 INTRAOPERATIVE STENTING OF PULMONARY ARTERIES
R. Bokenkamp; N. Blom; D. de Wolf; K. Francois; J. Ottenkamp; M. Hazekamp

1Leiden University Medical Center University, Leiden, Netherlands;
2University Hospital Gent, Gent, Belgium

Wednesday, 15 September, 2004

8:30 AM - 10:30 AM Session 32 Congenital & Thoracic Film
Chairman: S Halezeroglu L Hamilton

1 NEONATAL TRUNCUS A1 REPAIR WITHOUT CONDUIT
G. Ziemer; W. Beierlein; S. Salehi-Gilani; R. Kaulitz
University Hospital Tuebingen Department of Thoracic Cardiac and Vascular Surgery, Tuebingen, Germany

2 ATRIAL BAFFLE FOR REPAIR OF LEFT ATRIAL ISOMERISM AND ATRIOVENTRICULAR SEPTAL DEFECT WITH ANOMALOUS SYSTEMIC AND PULMONARY VENOUS CONNECTIONS
M. Hazekamp; M. Caputo; R. Bokenkamp
1Dept Cardiothoracic Surgery Leiden University Medical Center, Leiden, Netherlands;
2Dept Pediatric Cardiology Leiden University Medical Center, Leiden, Netherlands

3 VALVE REPAIR IN CONGENITAL MITRAL REGURGITATION
M. Kanani; A. Crucean; M. De Leval; V. Tsang
Great Ormond Street Hospital NHS Trust, London, United Kingdom

4 REFINEMENT AND STANDARDIZATION OF THE VATS LOBECTOMY TECHNIQUE
R. M. Flores; B. Park; V. W. Rusch
Memorial Sloan Kettering Cancer Center, New York, NY, United States

5 DOUBLE VIDEOMEDIASTINOSCOPY AND VIDEOMEDIASTINOTOMY: A STEP FORWARD.
S. Karthik; R. Milton; K. Papagiannopoulos
OFF-PUMP SURGERY ENHANCES VIABILITY OF CIRCULATING ENDOTHELIAL PROGENITOR CELLS IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFTING
M. Ruel; J. Song; D. Gunning; G. Waghray; F. D. Rubens; T. G. Mesana
*University of Ottawa Heart Institute, Ottawa, Canada*

1

NEO-SINUSES OF VALSALVA IN VALVE SPARING AORTIC OPERATIONS: HOW TO PREDICT THE RIGHT DIMENSION.
D. Maselli¹; A. Montalto¹; G. Santise¹; G. Minardi²; C. Manzara²; F. Musumeci¹
¹Department of Cardiac Surgery San Camillo Hospital, Rome, Italy; ²Department of Cardiology San Camillo Hospital, Rome, Italy

2

OPCAB VS BEATING HEART WITH CPB - MYOCARDIAL DAMAGE CAUSED BY EXTRACORPOREAL CIRCULATION
A. J. Rastan; C. v. Schewick; H. Bittner; N. Doll; E. Girdauskas; T. Walther; J. Gummert; F. W. Mohr
*Heart Center, Leipzig, Germany*

3

HOMOGRAFT RECONSTRUCTION OF AORTIC ROOT FOR ENDOCARDITIS WITH PERIANNUAL ABSCESS: A 17-YEAR STUDY
C. A. Yankah; H. Klose; H. Siniawski; M. Pasic; R. Hetzer
*Deutsches Herzzentrum Berlin, Berlin, Germany*

4

SINGLE VERSUS BILATERAL INTERNAL MAMMARY ARTERY FOR ISOLATED FIRST MYOCARDIAL REvascularization IN MULTIVESSEL DISEASE. LONG-TERM CLINICAL RESULTS IN DIABETIC PATIENTS.
A. M. Calafiore¹; M. Di Mauro²; A. L. Iaco²; M. Contini²; G. Vitolla²; G. Teodori¹; G. Di Giammarco²
¹Division of Cardiac Surgery University of Turin, Turin, Italy; ²Division of Cardiac Surgery University of Chieti, Chieti, Italy

5

IMPORTANCE OF IMPLANT TECHNIQUE ON RISK OF MAJOR PARAVALVULAR LEAK (PVL) AFTER MECHANICAL HEART VALVE REPLACEMENT: A REPORT FROM THE ARTIFICIAL VALVE ENDOCARDITIS
DOES THE SKELETONIZATION TECHNIQUE OF HARVESTING THE INTERNAL MAMMARY ARTERY, REDUCES THE INCIDENCE OF POST CORONARY ARTERY BYPASS GRAFT SURGERY PAIN SYNDROME.
B. Gilboa²; Y. Bar-El¹; N. Unger¹; D. Pud³; E. Eisenberg²
¹Department of Cardiac Surgery Rambam Medical Center, Haifa, Israel; ²Pain Relief Unit Rambam Medical Center, Haifa, Israel; ³Haifa University, Haifa, Israel

THE HEMODYNAMIC PERFORMANCE OF TILTING DISC VALVES IS IMPAIRED BY A TILTED IMPLANTATION POSITION DEPENDENT ON AXIAL ROTATION
M. Hartrumpf¹; R. U. Kuehnel¹; R. Puchner¹; M. O. Wendt²; M. Pohl²; J. Albes¹
¹Department of Cardiovascular Surgery at Heart Center Brandenburg, Bernau/Berlin, Germany; ²Institute of Medical Physics and Biophysics at Humboldt University, Berlin, Germany

MYOCARDIAL VIABILITY TESTING BEFORE CABG – CORRELATION OF MRI SCORING AND GRAFT FLOW
P. Massoudy; C. Boehm; P. Hunold; J. Forkel; S. Knipp; M. Kamler; J. A. Piotrowski; H. Jakob
West German Heart Center Essen, Essen, Germany

IS MITRAL VALVE SURGERY IN OCTOGENARIANS SAFE?
J. Nagendran¹; C. Norris¹; A. Maitland²; A. Koshal¹; D. B. Ross¹
¹University of Alberta Hospital, Edmonton, Canada; ²Foothills Hospital, Calgary, Canada

COMPARATIVE STUDY OF FACTORS AFFECTING 3715 SAPHENOUS VEIN GRAFT AND 2346 ARTERIAL GRAFT PATENCY: A 25 YEAR SYMPTOM-DIRECTED ANGIOGRAPHIC STUDY
B. F. Buxton; P. J. Shah; A. Rosalison; J. Fuller
Austin Health, Melbourne, Australia

INFLUENCE OF DIABETES AND BILATERAL
INTERNAL MAMMARY ARTERY GRAFTS ON LONG-TERM OUTCOME FOR MULTIVESSEL CABG
L. Stevens; M. Carrier; L. P. Perrault; Y. Hebert; R. Cartier; D. Bouchard; A. Fortier; M. Pellerin
Montreal Heart Institute and University of Montreal, Montreal, Canada

Wednesday, 15 September, 2004
8:30 AM - 10:30 AM Session 34 Thoracic Oncology Interactive
Chairman: K Athanassiadi R Rami Porta

2 SEQUENCE OF PULMONARY VESSELS LIGATION DOES NOT INFLUENCE CEA SERUM LEVEL DECREASE IN NSCLC PATIENTS – PROSPECTIVE RANDOMIZED TRIAL
T. Grodzki; B. Kubisa; J. Pieróg; J. Alchimowicz; H. Janowski; J. Wójcik; L. Kochanowski
Regional Hospital for Lung Diseases, Szczecin, Poland

3 PROGNOSTIC RELEVANCE OF THE ANGIOGENETIC PATTERN IN STAGE IA PULMONARY ADENOCARCINOMA SURGICALLY RESECTED.
L. Luzzi¹; D. Spina²; G. Bianciardi²; L. Voltolini¹; T. Ligabue¹; C. Cardone²; P. Luzi¹; G. Gotti¹
¹Thoracic Surgery Unit University Hospital of Siena, Siena, Italy; ²Dept of Human Pathology and Oncology
University Hospital of Siena, Siena, Italy

4 RELATIONSHIP BETWEEN CYCLOOXYGENASE-2, P21, P27 EXPRESSION AND SURVIVAL IN PATIENTS WITH PLEURAL MESOTHELIOMA
G. Vicidomini¹; M. Santini¹; M. P. Di Marino²; F. Baldi²; A. Baldi²; V. Pastore¹
¹Department of Thoracic Surgery Second University of Naples, Naples, Italy; ²Department of Pathology Second University of Naples, Naples, Italy

5 AUTOCRINE MOTILITY FACTOR RECEPTOR EXPRESSION IMPLIES AN UNFAVORABLE PROGNOSIS IN RESECTED STAGE I PULMONARY ADENOCARCINOMAS
M. Kara¹; K. Kaynak²; B. Oz³; B. Akgoz²; M. Sar³; A. Raz⁴
¹Kirikkale University Department of Thoracic Surgery, Kirikkale, Turkey; ²Istanbul University Department of Thoracic Surgery, Istanbul, Turkey; ³Istanbul University Department of Pathology, Istanbul, Turkey; ⁴Wayne State University Department of Pathology and Radiation Oncology, Detroit, United States

6 PROGNOSTIC VALUE OF DNA PLOIDY: 5-YEAR
FOLLOW-UP OF PATIENTS WITH RESECTABLE SQUAMOUS CELL CARCINOMA (SCC) OF THE LUNG
m. kasparyk; w. dyszkiewicz; c. piwkowski; e. kaczmarek; k. pawlak; j. adamczak; p. zielinski
Department of Thoracic Surgery University of Medical Sciences, Poznan, Poland

LESSONS LEARNED FROM PLEURAL PERFUSION THERMOCHEMOTHERAPY (PPTCT) IN PATIENTS WITH EPITHELIAL MALIGNANT MESOTHELIOMA
A. Yellin; D. A. Simansky; M. L. Levitt; S. Sadezki; M. Paley; A. Chetrit; N. Zaitlin; Y. Refaely
Sheba Medical Center, Tel Hashomer, Israel

EXTRA-PLEURAL PNEUMONECTOMY FOR MALIGNANT PLEURAL MESOTHELIOMA: THE RISKS OF INDUCTION CHEMOTHERAPY, RIGHT-SIDED PROCEDURES AND PROLONGED OPERATIONS
D. Stewart; A. Martin-Ucar; J. Edwards; D. Waller
Glenfield Hospital, Leicester, United Kingdom

RESECTION AND PLEURAL PERFUSION THERMOCHEMOTHERAPY (PPTCT) IS HIGHLY EFFECTIVE FOR STAGE IV-A THYMOMA.
A. Yellin; D. A. Simansky; M. Perelman; M. Paley; N. Zaitlin; Y. Refaely
Sheba Medical Center, Tel Hashomer, Israel

COMPARISON OF NEOADJUVANT CISPLATIN-BASED CHEMOTHERAPY VERSUS RADIOCHEMOTHERAPY FOLLOWED BY RESECTION FOR STAGE III(N2) NSCLC.
E. Pezzetta\textsuperscript{1}; R. Stupp\textsuperscript{1}; A. Zouhair\textsuperscript{1}; L. Guillou\textsuperscript{1}; T. Krueger\textsuperscript{1}; C. von Briel\textsuperscript{2}; D. Betticher\textsuperscript{2}; H. Riss\textsuperscript{1}
\textsuperscript{1}Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland; \textsuperscript{2}University Hospital, Bern, Switzerland

INCREASED SURVIVAL FOLLOWING COMPLETE SURGICAL RESECTION OF NODE-NEGATIVE T4 AND M1 MULTIFOCAL NON-SMALL CELL LUNG CANCER.
E. Ruffini; A. Oliaro; R. C. Cristofori; P. Di Marzio; P. Filosso; R. Giobbe; M. Mancuso; G. Maggi
Thoracic Surgery University of Torino, Torino, Italy

PHYSIOLOGICAL LUNG EXCLUSION – A LIFE SAVING PROCEDURE FOR MASSIVE HEMOPTYSIS
R. S. Dhaliwal
1. DIFFERENT ANATOMICAL TYPES OF ASCENDING AORTIC ANEURYSM WITH TRICUSPID AND BICUSPID AORTIC VALVES. PREDICTORS OF SITE AND SHAPE OF DILATATION
A. Della Corte; G. Romano; C. Amarelli; F. Tizzano; C. Quarto; L. S. De Santo; M. Scardone; M. Cotrufo
Department of Cardiothoracic Sciences Second University of Naples Department of Cardiovascular Surgery and Transplants V Monaldi Hospital, Naples, Italy

2. RADICAL APPROACH TO ACUTE TYPE A AORTIC DISSECTION: IMPROVED LONG-TERM RESULTS
E. Girdauskas; R. Krakor; F. Mohr
Heart Center Leipzig, Leipzig, Germany

3. SELECTIVE ANTEGRADE CEREBRAL PERFUSION IMPROVES NEUROLOGICAL OUTCOME IN PATIENTS WITH ACUTE TYPE A AORTIC DISSECTION
C. Hagl; M. Karck; N. Khaladj; A. Schultze; K. Müller-Stahl; K. Kallenbach; R. Leyh; A. Haverich
Hannover Medical School, Hannover, Germany

4. INTESTINAL ISCHEMIA IN AORTIC DISSECTION DIAGNOSED AT BEDSIDE BY MEANS OF ULTRASOUND AND NEAR-INFRARED SPECTROSCOPY
K. Orihashi; T. Sueda; K. Okada; K. Imai; K. Ban; M. Hamamoto
Hiroshima University Hospital, Hiroshima, Japan

5. CONVENTIONAL AND TRANS-AXILLARY MODIFIED PORT-ACCESS TECHNIQUES FOR MANAGEMENT OF RETRO-STERNAL AORTIC ROOT PSEUDOANEURYSMS ASSOCIATED WITH AORTIC REGURGITATION
D. Maselli; E. Ferretti; V. Polizzi; P. Lilla Della Monica; F. Musumeci
Department of Cardiac Surgery San Camillo Hospital, Rome, Italy

6. FUSIFORM SHAPE OF DISTAL ARCH IN TYPE B ACUTE AORTIC DISSECTION (AAD) CAN PREDICT LATE ENLARGEMENT OF AORTA
A. Marui, T. Mochizuki, N. Mitsu, T. Koyama
1Department of Cardiovascular Surgery Tsuchiya General Hospital, Hiroshima, Japan; 2Department of Thoracic Surgery Hiroshima Prefectural Hospital, Hiroshima, Japan; 3Department of Cardiovascular Surgery Kyoto University Graduate School of Medicine, Kyoto, Japan

7 REPLACEMENT OF THE DESCENDING AORTA USING THE DAVINCI SURGICAL SYSTEM IN A SHEEP MODEL: COMPARISON OF ANASTOMOSIS TECHNIQUES
J. Smith; J. Hawes
Good Samaritan Hospital, Cincinnati, United States

8 NEW TECHNOLOGIES IN THE TREATMENT OF TYPE A ACUTE AORTIC DISSECTION: OUR EXPERIENCE IN THE USE OF THE DJUMBODIS DISSECTION SYSTEM.
S. Saccani; A. Agostinelli; F. Nicolini; B. Borrello; A. M. Budillon; C. Fragnito; C. Beghi; T. Gherli
Cardiac Surgery University of Parma, Parma, Italy

9 DOES THE TIME-COURSE OF SEGMENTAL ARTERY CLAMPING AFFECT NEUROLOGICAL OUTCOME IN A CHRONIC PORCINE MODEL?
J. T. Strauch; A. Lauten; D. Spielvogel; S. Rinke; D. Weisz; C. Bodian; R. B. Griepp
1Department of Cardiothoracic Surgery Mount Sinai Hospital New York, New York, United States; 2Department of Neurosurgery, New York, United States

10 STROKE IN SURGERY OF THE ARTERIOSCLEROTIC DESCENDING THORACIC AORTIC ANEURYSMS: INFLUENCE OF CROSS-CLAMPING TECHNIQUE OF THE AORTA
N. Kawaharada; K. Morishita; J. Fukada; Y. Hachiro; Y. Fujisawa; Y. Kurimoto; T. Abe
Sapporo Medical University, Sapporo, Japan

11 ENDOVASCULAR REPAIR OF ANEURYSMS AND DISSECTIONS OF THE THORACIC AORTA: FIVE-YEAR EXPERIENCE IN TWO CENTRES
G. Dialetto; A. S. Bortone; F. E. Covino; G. Scognamiglio; A. Della Corte; M. Patella; L. De Luca Tupputi Schinosa; M. Cotrufo
1Department of Cardiothoracic Sciences Second University of Naples Department of Cardiovascular Surgery and Transplants V Monaldi Hospital, Naples, Italy; 2Institute of Cardiac Surgery University of Bari, Bari, Italy

12 ASCENDING-TO-DESCENDING AORTIC BYPASS VIA RIGHT THORACOTOMY FOR COMPLEX (RE-
COARCTATION AND HYPOPLASTIC AORTIC ARCH
V. Arakelyan; A. Spiridonov; L. Bockeria
Bakoulev Scientific Center of Cardiovascular Surgery, Moscow, Russian Federation

Wednesday, 15 September, 2004
11:00 AM - 12:30 PM
Session 36 Cardiac Film
Chairman: O Alfieri HJ Schafers

1 ENDOSCOPIC HOCM RESECTION
H. Vanermen; H. Jeanmart; G. Van Vaerenbergh; F. P. Casselman
OLV Clinic Department of Cardiovascular and Thoracic Surgery, Aalst, Belgium

2 VIDEO: PATCH GLUE REPAIR WITHOUT EXTRACORPOREAL CIRCULATION THRU LEFT THORACOTOMY FOR SURGICAL TREATMENT OF LEFT VENTRICULAR FREE WALL RUPTURE.
S. Canovas; J. a. Buendía; M. Bueno; J. Rodriguez; F. Hornero; O. Gil; R. Garcia-Fuster; J. A. Montero
University General Hospital of Valencia, Valencia, Spain

3 A NOVEL TECHNIQUE FOR A PROXIMAL GIANT RIGHT CORONARY ANEURYSM OF KAWASAKI DISEASE
M. Fujii¹; M. Ochi¹; K. Hinokiyama¹; K. Yamada¹; R. Bessho¹; H. Yamauchi¹; K. Shimizu¹; S. Ogawa²
¹Cardiovascular Surgery Nippon Medical School, Tokyo, Japan; ²Pediatrics Nippon Medical School, Tokyo, Japan

4 MINIMAL INVASIVE MIDAXILLARY MUSCLE-SPARING THORACOTOMY FOR ATRIAL SEPTAL DEFECT CLOSURE IN PREPUBESCENT PATIENTS
C. Schreiber; P. Libera; R. Lange
Clinic for Cardiothoracic Surgery at the German Heart Center Munich, Munich, Germany

5 DOUBLE-PATCH LEFT VENTRICULAR RECONSTRUCTION FOR SEVERE HEART FAILURE WITH IMPENDING LEFT VENTRICULAR RUPTURE AFTER ACUTE MYOCARDIAL INFARCTION
T. Tedoriya; G. Kato; M. Takagaki; A. Oki
Showa University Northern Yokohama Hospital, Yokohama, Japan

6 BILATERAL PECTORALIS MAJOR FLAPS FOR TREATMENT OF DEEP STERNAL WOUND INFECTIONS
P. Kleine; O. Dzemali; F. Bakhtiary; A. Simon; G. Wimmer-Greinecker; A. Moritz  
*Dept of Thoracic and Cardiovascular Surgery, Frankfurt am Main, Germany*

**7**  
**SEQUENTIAL SUBXYPHOID AND THORACOTOMY INCISIONS WITH GRAFT PULL THROUGH FOR TARGETED REDO MULTIVESSEL SURGICAL REvascularization**  
H. Shennib; O. Benhameid  
*McGill University Health Center, Montreal, Canada*

**8**  
**INFARCT VSD CLOSURE IN COMBINATION WITH DOR ANEURYSMECTOMY FOR ACUTE MYOCARDIAL INFARCTION**  
T. C. Wahlers; F. Ulrich; F. Hans  
*Department Cardiothoracic Surgery Jena Germany, Jena, Germany*

**9**  
**RECONSTRUCTION OF A QUADRICUSPID AORTIC VALVE**  
H. F. Lausberg; Y. Matsushita; R. Schramm; D. Tscholl; H. Schäfers  
*Thoracic and Cardiovascular Surgery University of Saarland, Homburg/Saar, Germany*

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**Wednesday, 15 September, 2004**

**11:00 AM - 12:30 PM**  
Session 37 Coronary & Valves  
Chairman: J Svennevig U von Opell

**1**  
**IMPACT OF 2-3/4 MITRAL REGURGITATION ON LATE RESULTS AFTER ISOLATED CORONARY ARTERY BYPASS GRAFTING IN PATIENTS WITH ISCHEMIC CARDIOMYOPATHY.**  
A. M. Calafiore¹; M. Di Mauro²; G. Di Giammarco²; M. Contini²; A. L. Iaco²; G. Vitolla²; S. Gallina²  
¹Division of Cardiac Surgery University Hospital San Giovanni Battista, Turin, Italy; ²Division of Cardiac Surgery University Hospital S Camillo de Lellis, Chieti, Italy

**2**  
**ACUTE EFFECTS OF RESTRICTIVE MITRAL ANNULOPLASTY IN PATIENTS WITH CHRONIC HEART FAILURE**  
S. A. Tulner; P. Steendijk; R. J. Klautz; J. J. Bax; E. E. van der Wall; R. A. Dion  
*Leiden University Medical Center, Leiden, Netherlands*

**3**  
**REVERSED-J INFERIOR STERNOTOMY FOR CORONARY ARTERY BYPASS SURGERY UNDER HIGH THORACIC EPIDURAL ANESTHESIA**
K. Kirali; N. Kayalar; Y. Özen; D. Göksedef; E. Bal; F. Güzelmeric; T. Koçak; C. Yakut

Kosuyolu Heart and Research Hospital, Istanbul, Turkey

4 THE MEDTRONIC ADVANTAGE AORTIC VALVE PROSTHESIS: THE SCANDINAVIAN MULTICENTRE PROSPECTIVE STUDY
R. Haaverstad¹; N. Vitale¹; A. Karevold¹; A. Tromsdal¹; P. Skov Olsen²; L. Kober²; H. Ihlen³; J. Svennevig³
¹Trondheim University Hospital, Trondheim, Norway; ²Rigshospitalet Copenhagen, Copenhagen, Denmark; ³Rikshospitalet Oslo, Oslo, Norway

5 DO THE 70+YEAR OLD INDIAN SUBCONTINENT ASIANS HAVE HIGHER CORONARY BYPASS GRAFTING OPERATIVE MORTALITY THAN CAUCASIANS?
D. Zindrou¹; H. Abunasra¹; D. Richens¹; K. Taylor²; I. Mitchell¹
¹Nottingham City Hospital NHS Trust, Nottingham, United Kingdom; ²Imperial College, London, United Kingdom

6 POOR CEREBRAL PERFUSION RESERVE AND ATHEROMATOUS PLAQUE IN THE ASCENDING AORTA AS A PREDICTOR OF PERIOPERATIVE STROKE AFTER CORONARY ARTERY BYPASS GRAFTING
M. Nakamura¹; F. Okamoto¹; K. Nakanishi¹; A. Yamada¹; R. Maruyama¹; S. Terasaka²; K. Sakai¹; S. Kuroda³
¹Department of Cardiovascular Surgery Teine Keijinkai Hospital, Sapporo, Japan; ²Department of Neurosurgery Teine Keijinkai Hospital, Sapporo, Japan; ³Department of Neurosurgery Hokkaido University, Sapporo, Japan

7 LONG-TERM CLINICAL PERFORMANCE OF 1037 MITROFLOW PERICARDIAL PROSTHESES IN AORTIC POSITION
C. A. Yankah; J. Schubel; S. Buz; H. Siniawski; R. Hetzer
Deutsches Herzzentrum Berlin, Berlin, Germany

8 ENDOTHELIUM INTEGRITY AFTER SKELETONIZED DISSECTION OF THE LEFT INTERNAL MAMMARY ARTERY WITH ULTRASONIC SCALPEL.
P. P. Lima; J. L. Orradre; A. Cañas; C. Rubio; M. Calleja
Hospital Virgen de la Salud, Toledo, Spain

9 REMODELING OF BILATERAL INTERNAL THORACIC ARTERY: ANALYSIS OF CORONARY AREA AS A NEW QUANTITATIVE ANGIOGRAPHIC FACTOR.
B. C. Rocha; L. B. Puig; E. M. Filho; P. G. Pereira; S. A.
11:00 AM - 12:30 PM  

**Session 38 Thoracic Non Oncology Interactive**  
**Chairman:** D Nicolau R Schmid  

1. **DEFENCE MECHANISMS IN PULMONARY TUBERCULOSIS. ROLES OF THE IMMUNE SYSTEM, HEAT-SHOCK PROTEIN 70 AND APOPTOSIS.**
   J. Furák¹; I. Troján¹; T. Szőke¹; L. Tiszlavicz²  
   ¹Department of Surgery University of Szeged, Szeged, Hungary; ²Pathology University of Szeged, Szeged, Hungary  

2. **FACTORS INFLUENCING COMPLETE STABLE REMISSION RATES AFTER EXTENDED THYMECTOMY (T-3B) FOR MYASTHENIA GRAVIS**
   S. Choi; K. Chung  
   Yonsei University College of Medicine, seoul, Korea (South)  

3. **THE IMPORTANCE OF DRAINAGE BRONCHUS IN THE MANAGEMENT OF COMPLICATED HYDATID CYSTS**
   C. YUKSEL; A. K. CANGIR; G. CETINKANAT; N. OZDEMIR; I. OKTEN; H. AKAY  
   ANKARA UNIVERSITY SCHOOL OF MEDICINE IBNI SINA HOSPITAL DEPARTMENT OF THORACIC SURGERY, ANKARA, Turkey  

4. **TREATMENT OF CONGENITAL CYSTIC ADENOMATOID MALFORMATION - DOES RESECTION IN THE EARLY POSTNATAL PERIOD INCREASE SURGICAL RISK?**
   Y. T. Kim; C. S. Park; S. W. Sung; C. H. Kang; J. H. Kim  
   Seoul National University Hospital, Seoul, Korea (South)  

5. **TREATMENT OF POST-TRAUMATIC AND IATROGENIC TRACHEO-BRONCHIAL DISRUPTIONS: A WIDER PLACE FOR CONSERVATIVE MANAGEMENT?**
   G. Leoncini¹; L. Iurilli¹; A. Queirolo¹; U. Catrambone¹; F. Rombolà¹; P. De Bellis²; G. Catrambone  
   ¹Thoracic and Cardiovascular Departement Unit of Thoracic Surgery San Martino University Hospital, Genova, Italy; ²Departement of Anaesthesiology San Martino University Hospital, Genova, Italy
6 VIDEO ASSISTED THORACOSCOPIC RE-
SYMPATHETIC SURGERY IN THE TREATMENT
OF RECURRED HYPERHIDROSIS
D. Kim²; H. Paik¹; D. Lee¹
¹Yongdong Severance Hospital, Seoul, Korea (South);
²Eulji University Hospital, Deajeon, Korea (South)

7 THORACOSCOPIC SURGERY WITHOUT
PLEURODESI S FOR THE MANAGEMENT OF
PRIMARY SPONTANEOUS PNEUMOTHORAX
S. Jheon¹; S. Sung¹; Y. Kim¹; J. Kim¹; Y. Kim¹; S. Lee²;
B. Kim³; D. Huh³
¹Seoul National University, Seoul, Korea (South);
²Catholic University of Daegu, Daegu, Korea (South);
³Fatima Hospital, Daegu, Korea (South)

8 MODIFICATION OF PULMONARY FUNCTION
TEST AND EXERCISE CAPACITY IN MODERATE
OR SEVERE COPD PATIENTS AFTER MAJOR
LUNG RESECTION
P. Carbognani¹; A. Bobbio¹; E. Internullo¹; M. Rusca¹; A.
Chetta²; A. Verduri²; F. Greco²; D. Olivieri²
¹Unit of Thoracic Surgery University of Parma, Parma,
Italy; ²Respiratory Disease Section Department of
Clinical Science University of Parma, Parma, Italy

9 USE OF PROCALCITONIN AS A MARKER OF
EARLY DETECTION OF POSTOPERATIVE
INFECTION COMPLICATIONS AFTER
THORACIC SURGERY
P. Falcoz; F. Laluc; F. Clement; L. Stoica; D. Kaili; S.
Chocron; J. Etievent
Department of Thoracic and Cardiovascular Surgery Jean
Minjoz Hospital, Besançon, France

Wednesday, 15 September, 2004

11:00 AM - 12:30 PM Session 39 Cardiac General Forum
Chairman: E Baudet L Menicanti

1 ALTERNATIVE SOURCES OF ENERGY
(RADIOFREQUENCY-, MICROWAVE- AND CRYO
ABLATION) ARE AS EFFICACIOUS AS THE
CLASSICAL "CUT AND SEW" COX-MAZE III
PROCEDURE TO TREAT ATRIAL
FIBRILLATION; A META-ANALYSIS INCLUDING
3686 PATIENTS
K. Khargi²; A. Laczkovics²; B. Lemke²; A. Mügge¹; T.
Deneke¹
¹Cardiology University Hospital Bergmannsheil, Bochum,
Germany; ²Cardiothoracic Surgery Bergmannsheil,
Bochum, Germany
ADVANTAGES AND DISADVANTAGES OF ONE-STEP AND TWO-STEP SURGERY OF ARRHYTHMIAS AND EBSTEIN ANOMALY
L. A. Bockeria; E. Z. Golukhova; M. A. Dadasheva; A. S. Revisvili; A. D. Levant; V. A. Bazaev; F. G. Rzaev
Bakoulev Scientific Center for Cardiovascular Surgery, Moscow, Russian Federation

CONVERSION TO SINUS RHYTHM DOES NOT IMPROVE LONG-TERM MORTALITY AFTER VALVE SURGERY
M. Chaput; D. Bouchard; L. Perrault; R. Cartier; Y. Hébert; M. Carrier; P. Pagé; M. Pellerin
Montreal Heart Institute, Montreal, Canada

CONCOMITANT ANTI-ARYTHMIC PROCEDURES TO TREAT PERMANENT ATRIAL FIBRILLATION IN CABG AND AVR PATIENTS ARE AS EFFECTIVE AS IN MITRAL VALVE PATIENTS
K. Khargi; A. Laczkovcis; H. Haardt; B. Lemke; K. M. Müller; A. Mügge; A. Mügge; T. Deneke
1 Cardiotoracic Surgery University Hospital Bergmannsheil, Bochum, Germany; 2 Cardiology University Hospital Bergmannsheil, Bochum, Germany; 3 Pathology University Hospital Bergmannsheil, Bochum, Germany

CAN DIATHERMY TREAT ATRIAL FIBRILLATION
M. Boodhwani; P. J. Hendry; J. P. Veinot; T. G. Mesana; K. Lam
University of Ottawa Heart Institute, Ottawa, Canada

3-YEARS EXPERIENCE WITH MONOPOLAR AND BIPOLAR RADIOFREQUENCY ABLATION SURGERY IN PATIENTS WITH PERMANENT ATRIAL FIBRILLATION
S. Geidel; J. Ostermeyer; M. Lass; M. Betzold; A. Duong; F. Jensen; S. Boczor; K. Kuck
1 Department of Cardiac Surgery AK St Georg, Hamburg, Germany; 2 Department of Cardiology AK St Georg, Hamburg, Germany

QUALITY OF LIFE FOLLOWING VENTRICULAR RESTORATION VERSUS TRANSPLANTATION FOR EXTENSIVE ISCHEMIC CARDIOMYOPATHY
G. Cafarella; C. Maiello; G. Romano; G. Santarpino; F. Tizzano; F. Ursomando; M. Scardone; M. Cotrufo
Department of Cardiothoracic Sciences Second University of Naples Department of Cardiovascular Surgery and
Restrictive annuloplasty for ischemic mitral regurgitation results in reverse left ventricular remodeling

J. Braun; J. J. Bax; P. G. Voigt; M. I. Versteegh; R. J. Klautz; S. T. Somer; E. R. Holman; R. A. Dion
Leids Universitair Medisch Centrum, Leiden, Netherlands

Patient-prosthesis mismatch in aortic valve replacement: really tolerable?
R. Garcia-Fuster; J. Montero; O. Gil; F. Hornero; S. Canovas; M. Bueno; J. Buendia; I. Rodriguez
Universitary General Hospital, Valencia, Spain

Up to 14 years follow up of aortic valve reconstruction with pericardium: a stentless readily available cheap valve?
Z. Al Halees; M. Shahid; A. Al Sanei; C. Duran
King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia