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WEDNESDAY, JUNE 14

13:45-14:00  Authorities’ Opening Address
14:00-14:05  WELCOME TO FLORENCE
Antonio Messineo, Florence - Italy, Chairman of the CWIG Florence meeting
14:05-14:15  CRITICAL THINKING FOR SUCCESSFUL REPAIR OF FULL RANGE PECTUS DEFORMITIES
Hyung Joo Park, Seoul - Republic of Korea, CWIG President
14:15-14:30  NUSS PROCEDURE: WHERE ARE WE GOING?
Donald Nuss, Norfolk - USA, Honorary President of the CWIG Florence meeting

14:30-15:30  HOT ISSUE IN NUSS PROCEDURE
Chairs: Frank-Martin Haecker, Basel - Switzerland
José Ribas Milanez de Campos, Sao Paolo - Brasil
INDICATIONS TO MIRPE
Robert Kelly, Norfolk - USA  VS  Sadashige Uemura, Kurashiki - Japan
BAR FIXATION
Hans Pilegaard, Aarhus - Denmark  VS  Hyung Joo Park, Seoul - Republic of Korea

15:30-16:30  WHICH INDEX FORPECTUS EXCAVATUM?
Chairs: Dawn Jaroszewski, Phoenix - USA
Manuel Lopez, Barcelona - Spain
INDEXES AND IMAGING, THE NEXT PECTUS REVOLUTION
Marcello Martinez Ferro, Buenos Aires - Argentina
MORPHOLOGICAL CLASSIFICATION PLUS 4-WAY CT INDEXES GIVES 3 DIMENSIONAL IMAGE OF PECTUS DEFORMITY
Hyung Joo Park, Seoul - Republic of Korea
A NOVEL OBJECTIVE APPROACH TO EXTERNAL MEASUREMENT OF PECTUS EXCAVATUM SEVERITY
Francesca Uccheddu, Florence - Italy

Q&A

16:30-17:00  Coffee break
WEDNESDAY, JUNE 14

17:00-18:00  SHORT ORAL PRESENTATION  FIRST SESSION

Chairs: Robert Kelly, Norfolk - USA
        Mustafa Yüksel, Istanbul - Turkey

S. O. 1  HEAVY METAL RELEASE AFTER MINIMALLY-INVASIVE REPAIR OF PECTUS EXCAVATUM USING STAINLESS STEEL BAR
        Caroline Fortmann, Hannover - Germany

S. O. 2  DYNAMIC BRACE THERAPY FOR THE CORRECTION OF PECTUS CARINATUM IN DENMARK
        Hans Pilegaard, Aarhus - Denmark

S. O. 3  MOVING TOWARDS AN INTERDISCIPLINARY MODEL FOR PECTUS EXCAVATUM ASSESSMENT: EVALUATING PATIENTS’ INTEREST IN NARRATIVE THERAPY FOR DECISION-MAKING ABOUT TREATMENT
        Davide Ticchi, Tallinn - Estonia

S. O. 4  PECTUS BAR INFECTION: DO WE NEED TO REMOVE THE BAR?
        SeokBeom Hong, Seoul - Seoul - Republic of Korea

S. O. 5  CAUSES OF EXERCISE INTOLERANCE IN PECTUS EXCAVATUM: A 111 CASES AND 20 CONTROLS STUDY
        Maximiliano Nazar-Peirano, Buenos Aires - Argentina

S. O. 6  POSTOPERATIVE complications in modified NUSS procedure for correction of pectus excavatum: a comparison between adolescent and adult patients
        Enzo Van Loo, Heerlen - Netherlands

S. O. 7  IMPACT OF CUSTOMIZED PRE-BENT BAR IN NUSS PROCEDURE
        Tiago Henriques-Coelho, Porto - Portugal

S. O. 8  STERNO-VERTEBRAL DISTANCE FOR THE EVALUATION OF RECURRENCE AFTER NUSS-BAR REMOVAL
        Sadashige Uemura, Kurashiki - Japan

S. O. 9  EXPERIENCE IN THE MANAGEMENT OF PECTUS EXCAVATUM WITH PROCEDURE OF NUSS IN CHILDREN OF THE NORTHWEST REGION OF MEXICO
        Gabriela Ambriz-González, Guadalajara - Mexico
WEDNESDAY, JUNE 14

S. O. 10 BILATERAL VS. UNILATERAL VATS ASSISTED APPROACH IN PECTUS EXCAVATUM SURGERY, SINGLE INSTITUTION EXPERIENCE
Pavol Omanik, Bratislava - Slovakia

S. O. 11 THE USE OF VACUUM BELL IN PECTUS EXCAVATUM
Laureano Molins López-Rodó, Barcelona - Spain

S. O. 12 CONGENITAL CHEST WALL DEFORMITIES: A MODIFIED SURGICAL TECHNIQUE
Fadil Gradica, Tirana - Albania

18:00-18:30 SPECIAL ISSUES FIRST SESSION
Chair: Antonio Messineo, Florence - Italy

O. 1 THE IMPORTANCE OF PSYCHOLOGICAL FACTORS IN MIRPE PROCEDURE
Eugenia Coppitz, Florence - Italy

O. 2 CHANGES IN CHILDREN’S QUALITY OF LIFE AFTER PECTUS EXCAVATUM REPAIR
Mihoko Nakanii, Okayama - Japan

O. 3 STANDARDIZATION OF CLINICAL CARE PATHWAY LEADS TO DECREASED LENGTH OF STAY FOLLOWING NUSS PECTUS REPAIR
Rebeccah L. Brown, Cincinnati - USA

19:00-21:00 WELCOME COCKTAIL
(Men’s Cloister, Istituto degli Innocenti)
THURSDAY, JUNE 15

8:00-9:00
NEW DIAGNOSTIC AND THERAPEUTIC DEVICES

Chairs: Manuel Lopez, Barcelona - Spain
        Marcello Martinez Ferro, Buenos Aires - Argentina

O. 4 QUANTITATIVE AND NON INVASIVE ASSESSMENT IN PATIENTS WITH PECTUS EXCAVATUM
    Rose Jean-Loic, Lyon - France

O. 5 3D BODY SCANNING FOR THE TREATMENT OF PECTUS EXCAVATUM
    Sadashige Uemura, Kurashiki - Japan

O. 6 3-DIMENSIONAL PRINTING OF CUSTOM-FIT ARTIFICIAL CHEST WALL: PARADIGM SHIFT FOR CHEST WALL DEFECT RECONSTRUCTION
    Hyung Joo Park, Seoul - Republic of Korea

O. 7 CORRECTION OF CONGENITAL CHEST WALL MALFORMATIONS BY CUSTOM-MADE SILICONE IMPLANTS: CONTRIBUTIONS OF COMPUTER-AIDED DESIGN
    Jean Pierre Chavoin, Toulouse - France

Q&A

9:00-10:00
ROUND TABLE ON BAR REMOVAL

Chairs: Claus Petersen, Hannover - Germany
        Hans Pilegaard, Aarhus - Denmark

O. 8 FIRST DECADE’S EXPERIENCE WITH VARIOUS BAR REMOVAL TECHNIQUES AFTER THE NUSS PROCEDURE: A SINGLE CENTER STUDY WITH 1,876 CASES
    Na Zhang, Beijing - China

O. 9 MAJOR BLEEDING DURING BAR REMOVAL DOES NOT ALWAYS REQUIRE THORACOTOMY OR STERNOTOMY
    Bihter Sayan, Istanbul - Turkey

O. 10 BAR REMOVAL, STRATEGIES TO AVOID COMPLICATIONS
    Ivan Schewitz, Pretoria - South Africa

O. 11 A MASSIVE BLEEDING DURING NUSS BAR REMOVAL REQUIRING EMERGENCY STERNOTOMY, A CASE REPORT
    Ted Elenbaas, Eindhoven - Netherlands

Q&A
THURSDAY, JUNE 15

10:00-11:00 VIDEO SESSION

Chairs: André Hebra, Orlando - USA
        Ivan Schewitz, Pretoria - South Africa

V.1 LESS INVASIVE OPEN SURGICAL REPAIR FOR PECTUS EXCAVATUM
    Lida Hiroshi, Nagoya - Japan

V.2 EARLY RESULTS OF SANDWICH METHOD: COMBINATION OF NUSS AND ABRAMSON PROCEDURES
    Bihter Sayan, Istanbul - Turkey

V.3 A NUSS MODIFICATION: INDICATIONS OF THE CROSSED BARS IN MINIMAL INVASIVE REPAIR OF PECTUS EXCAVATUM
    Bihter Sayan, Istanbul - Turkey

V.4 MINIMALLY INVASIVE TREATMENT OF PIGEON BREAST
    Cecilia Menna, Rome - Italy

V.5 3D VIDEO PRESENTATION OF MIRPE
    Marco Ghionzoli, Florence - Italy

V.6 THE VIDEO-THORACOSCOPIC STABILIZATION OF THE FLAIL CHEST, ALTERNATIVE FOR THE MANAGEMENT OF THE TRAUMA PATIENT
    David Perez-Alonso, Gran Canaria, Spain

V.7 GIANT OSTEOSARCOMA ORIGINATING FROM CHEST WALL
    Bihter Sayan, Istanbul - Turkey

11:00-11:30 Coffee Break
THURSDAY, JUNE 15

11:30-13:00  PAIN MANAGEMENT IN THORACIC SURGERY

Chairs: Ali Zamir Khan, Gurgaon - India
        Andrea Messeri, Florence - Italy

EPIDURAL VS INTRAVENOUS PATIENT-CONTROLLED ANALGESIA FOLLOWING NUSS PROCEDURE
George Chalkiadis, Melbourne - Australia

O.12 THE SUBPLEURAL INTERCOSTAL CATHETER (SIC) - AN ALTERNATIVE TO EPIDURAL ANESTHESIA IN PAIN MANAGEMENT OF PATIENTS UNDERGOING MIRPE?
Jan Goedeke, Mainz - Germany

O.13 PITFALLS OF ELASTOMERIC PUMPS IN PECTUS EXCAVATUM REPAIR: A CRITICAL ANALYSIS
Nadja Apelt, Cincinnati - USA

O.14 PAIN MANAGEMENT IN MIRPE PATIENTS, THE FLORENCE EXPERIENCE
Fabio Panetta, Florence - Italy

Q&A

13:00-14:00 Lunch
THURSDAY, JUNE 15

POSTER SESSION FIRST SESSION

P.1 POLAND’S SYNDROME: ANALYSIS OF OUR CASES
Fadil Gradica, Tirana - Albania

P.2 DEVELOPMENT OF A PROGRAM FOR SCHOOLS TO MANAGE THE HEALTH OF CHILDREN UNDERGOING THE NUSS PROCEDURE
Namba Tomoko, Kurashiki - Japan

P.3 THE ROMAN ARCH: WHAT IS THE IDEAL SHAPE OF THE PECTUS BAR OR WHY THE SHORT BAR FAILS
Ivan Schewitz, Pretoria - South Africa

P.4 A VERY RARE BENIGN NEOPLASM IN THE CHEST WALL: NONOSSIFYING FIBROMA
Serdar Evman, Istanbul - Turkey

P.5 LEARNING CURVE IN MINIMALLY INVASIVE REPAIR OF PECTUS EXCAVATUM: A SINGLE CENTER EXPERIENCE
Serdar Evman, Istanbul - Turkey

P.6 CHEST WALL ERNIA DUE TO GIANT THORACOABDOMINAL HYDATID CYST
Flavio Montinaro, Prato - Italy

P.7 MINIMALLY INVASIVE REPAIR OF PECTUS DEFORMITIES: SELCUK UNIVERSITY EXPERIENCE
Murat Oncel, Konya - Turkey

P.8 SIMULTANEOUS MINIMALLY INVASIVE SURGERY FOR PECTUS EXCAVATUM AND VIDEOTHRACOSCOPIC LOBECTOMY
Murat Oncel, Konya - Turkey

P.9 SIMULTANEOUS BAR REMOVAL AFTER MINIMALLY INVASIVE SURGERY FOR PECTUS CARINATUM AND VIDEOTHRACOSCOPIC THORACAL SYMPATECHTOMY
Murat Oncel, Konya - Turkey

P.10 LUNG AND MEDIASTINUM HERNIATION THROUGH SURGICAL CHEST WALL DEFECT
Huseyin Yildiran, Konya - Turkey
THURSDAY, JUNE 15

14:00-15:00 SHORT ORAL PRESENTATION SECOND SESSION

Chairs: Roberto Crisci, Teramo - Italy
Thomas Schmid, Innsbruck - Austria

S. O. 13 FIXATION OF THE STERNUM USING LOCKING COMPRESSION PLATES IN MODIFIED RAVITCH PROCEDURE REDUCES THE RISK OF SYMPTOMATIC PSEUDARTHROSIS
Enzo Van Loo, Heerlen - Netherlands

S. O. 14 A BENCHMARKING PROJECT ON THE QUALITY OF PREVIOUS GUIDELINES ABOUT PECTUS REPAIR
Marco Scarci, London - United Kingdom

S. O. 15 TREATMENT OF ISOLATED STERNAL FRACTURE USING THE VACUUM BELL IN AN 8-YEAR OLD BOY
Sergio Sesia, Basel - Switzerland

S. O. 16 COMPARISON AMONG DIFFERENT SURGICAL PROCEDURES FOR TREATING ASYMMETRIC PECTUS CARINATUM WITH PRE- AND POST OPERATIVE CT IMAGES
Masahiko Noguchi, Tokyo - Japan

S. O. 17 CHESTWALL REMODELING AFTER CHESTWALL DEFECT DUE TO TUMOR RESECTION
Caroline Fortmann, Hannover - Germany

S. O. 18 INITIAL EXPERIENCE WITH THE ABRAMSON PROCEDURE, A NEW TECHNIQUE FOR TREATMENT OF PECTUS CARINATUM
Ine Rochus, Leuven-Limburg - Belgium

S. O. 19 PARALYSIS OF THE RECTUS ABDOMINIS MUSCLE AFTER VATS
Sung Kwang Lee, Yangsan - Republic of Korea

S. O. 20 EFFECTS OF NUSS PROCEDURE ON RESPIRATORY MUSCLE STRENGTH
Murat Oncel, Konya - Turkey

S. O. 21 MINIMAL INVASIVE SURGERY FOR THE CORRECTION OF PECTUS EXCAVATUM IN PATIENTS WITH MARFAN SYNDROME: THE MEXICAN EXPERIENCE
Carlos Garcia-Hernandez, Salamanca - Spain

S. O. 22 COMPARISON BETWEEN ANTHROPOMETRIC MEASUREMENTS AND PECTUS INDEX IN CHEST WALL DEFORMITIES
Huseyin Yildiran, Konya - Turkey
THURSDAY, JUNE 15

S. O. 23  INFRACHONDULAR CARTILAGE IN A PATIENT WITH HISTORY OF SLIPPING RIB SYNDROME: WHEN THE HOOK MANEUVER DOESN’T WORK
Lisa McMahon, Phoenix - USA

S. O. 24  RIGHT VENTRICULAR CARDIAC COMPRESSION IN PATIENTS WITH PECTUS EXCAVATUM(PE): CAN CARDIAC MAGNETIC RESONANCE(CMRI) BE REPLACED BY COMPUTED TOMOGRAPHY(CT)?
Maximiliano Nazar Peirano, Buenos Aires - Argentina

15:00-16:30  BURNING QUESTIONS IN DIFFICULT PROCEDURES

Chairs:  Piergiorgio Gamba, Padua - Italy
Vladimir Kuzmichev, Moscow - Russian Federation

NUSS PROCEDURE FOR REPAIR OF PECTUS EXCAVATUM AFTER FAILED RAVICH PROCEDURE IN ADULTS
Dawn Jaroszewski, Phoenix - USA

DEALING WITH MAJOR COMPLICATIONS DURING NUSS PROCEDURE
Hans Pilegaard, Aarhus - Denmark

OUTCOME ANALYSIS OF MIRPE
André Hebra, Orlando - USA

THE TREATMENT OF PECTUS ARCUATUM
Vladimir Kuzmichev, Moscow - Russian Federation

O. 15  NUSS AFTER RAVITCH: IS IT FEASIBLE?
Bihter Sayan, Istanbul - Turkey

O. 16  RE-REPAIR OF COMPLEX PECTUS DEFORMITY AFTER FAILED OPEN RESECTIONAL SURGERY: “PECTUS BAR PLUS PECTOPLASTY”
Kyung Soo Kim, Seoul - Republic of Korea

Q&A

16:30-17:00  Coffee break
THURSDAY, JUNE 15

17:00-17:30  SPECIAL ISSUES SECOND SESSION

Chairs: Jean-Marie Wihlm, Strasbourg - France
Mustafa Yüksel, Istanbul - Turkey

TOTAL REMODELING OF THE CHEST WALL FOR PECTUS DEFORMITIES: EXCAVATUM/CARINATUM/MIXED
Hyung Joo Park, Seoul - Republic of Korea

THE NEW CWIG WEBSITE
Claus Petersen, Hannover - Germany

Q&A

17:30-19:00  GENERAL CWIG ASSEMBLY

20:30-24:00  GALA DINNER
Palazzo Borghese - Florence
FRIDAY, JUNE 16

8:00-9:20

SURGICAL TREATMENT OF CHEST WALL TUMORS: HOW TO CLOSE THE GAP?

Chairs: Ali Zamir Khan, Gurgaon - India
Luca Voltolini, Florence - Italy

CHEST WALL RECONSTRUCTIONS FOLLOWING ONCOLOGICAL RESECTIONS
Olaf Mercier, Paris - France

PEDICLE AND FREE FLAPS IN CHEST WALL RECONSTRUCTION
Frederick Kolb, Paris - France

O. 17 THE EXPERIENCE OF SURGICAL TREATMENT OF CHEST WALL MASS IN CHILDREN: A SINGLE CENTER 281 CASES REPORT
Chen Chenghao, Beijing - China

O. 18 OUTCOMES OF STERNECTOMY FOR PRIMARY OR SECONDARY STERNAL TUMOURS
Stefano Bongiolatti, Florence - Italy

O. 19 SURGICAL TREATMENT IN SOLITARY PLASMACYTOMA: PALLIATIVE OR CURATIVE?
Evman Serdar, Istanbul - Turkey

O. 20 STERNAL RESECTION AND COMBINED PROSTHETIC RECONSTRUCTION: MIDDLE-TERM RESULTS
Camilla Poggi, Rome - Italy

Q&A
FRIDAY, JUNE 16

9:20-11:00  CHEST WALL TRAUMA

Chairs:  Duncan Phillips, Raleigh - USA
         Luigi Santambrogio, Milan - Italy

O. 21  STERNUM FRACTURES: SURGICAL OPTIONS AND APPROACHES
       Daniel Macedo Cabral, Lisbon - Portugal

O. 22  REPAIR OF RIB FRACTURES: INDICATIONS, TIPS AND TRICKS
       Marco Scarci, London - United Kingdom

O. 23  ADDITION OF VIDEO-ASSISTED THORACOSCOPIC SURGERY TO THE TREATMENT OF FLAIL CHEST AFTER HIGH-ENERGY TRAUMA
       Enzo Van Loo, Heerlen - Netherlands

O. 24  STERNAL RECONSTRUCTION FOLLOWING CARDIAC SURGERY USING THE STRATOS SYSTEM, ‘IN SITU’ BONE GRAFTING AND OMENTOPLASTY: A SINGLE CENTRE EXPERIENCE
       Ian Cummings, London - United Kingdom

O. 25  RIB FIXATION BY SINGLE MUSCLE-SPARING THORACOTOMY IN TRAUMATIC FLAIL CHEST
       Joonsuk Park, Sungnam - Republic of Korea

O. 26  BIOMECHANICAL COMPARISON OF MONOCORTICAL VERSUS BICORTICAL RIB FIXATION IN A CADAVERIC MODEL
       Abbey Choke, Singapore

O. 27  INDICATIONS AND TREATMENT CONCEPT FOR THE STABILIZATION OF THE CHEST WALL FOLLOWING TRAUMA
       H.-J. Fisher, Nordhausen - Germany

Q&A

11:00-11:30  Coffee Break
FRIDAY, JUNE 16

11:30-13:00
PECTUS CARINATUM TREATMENT

Chairs: Horacio Abramson, Buenos Aires - Argentina
Hans Pilegaard, Aarhus - Denmark

MINIINVASIVE TREATMENT OF PC
Qi Zeng, Beijing - China

OUR TECHNIQUE IN SURGICAL MANAGEMENT OF PC:
Tips and Trick
Mustafa Yüksel, Istanbul - Turkey

SANDWICH TECHNIQUE
Hyung Joo Park, Seoul - Republic of Korea

OUR EXPERIENCE WITH DYNAMIC COMPRESSION
Manuel Lopez, Barcelona - Spain

O.28 ANALYSIS OF THE ORTHOTIC MANAGEMENT OF PECTUS CARINATUM WITH DYNAMIC BRACING AT THE ROYAL HOSPITAL FOR CHILDREN, GLASGOW, SCOTLAND
Donna McHugh, Glasgow - United Kingdom

O.29 THE DYNAMIC COMPRESSION BRACE FOR PECTUS CARINATUM: INTERMEDIATE RESULTS IN 286 PATIENTS
Martin Gritter, Amsterdam - Netherlands

Q&A

13:00-14:00
Lunch
FRIDAY, JUNE 16

POSTER SESSION  SECOND SESSION

P. 11  HOW DOES THE PECTUS BAR AFFECT THORACIC CAGE DYNAMICS DURING RESPIRATORY MOVEMENTS
Sukki Cho, Seoul - Republic of Korea

P. 12  CYST HYDATID LOCATED ON CHEST WALL
Murat Oncel, Konya - Turkey

P. 13  THORACIC WALL DEFECT BY GUNSHOT INJURY
Murat Oncel, Konya - Turkey

P. 14  HYBRID APPROACH FOR TREATMENT OF PECTUS EXCAVATUM AND CARINATUM: THE MINI-INVASIVE HALF MOON INCISION FOR THE RAVITCH TECHNIQUE
Claudio Andreetti, Rome - Italy

P. 15  PRELIMINARY RESULTS OF BRACE FOR PECTUS CARINATUM: BASED ON 3D SCANNING OF CHEST WALL
Hyo Yeong Ahn, Busan - Republic of Korea

P. 16  CROSS BAR TECHNIQUE FOR PECTUS EXCAVATUM
Lee Sungsoo, Seoul - Republic of Korea

P. 17  CHEST WALL RECONSTRUCTION WITH PECTUS BARS AND PTFE AFTER TUMOR RESECTION
David Perez-Alonso, Gran Canaria, Spain

P. 18  NUSS PROCEDURE COMBINED WITH THE COMPRESSED EXTRACARDIAC CONDUIT CHANGE IN A CONGENITAL HEART DISEASE PATIENT
Pil Jo Choi, Busan - Republic of Korea

P. 19  CHEST WALL NECROSIS DUE TO INTRATUMORAL HEMORRHAGE IN NEUROFIBROMATOSIS TYPE 2
Yeon Soo Kim, Goyang - Republic of Korea

P. 20  BLOOD METAL LEVELS IN PECTUS EXCAVATUM PATIENTS AT BAR REMOVAL
Michele Torre, Genoa - Italy

P. 21  EDUCATIONAL INTERVENTION AND PHYSIOTHERAPIST ROLE IN MANAGEMENT OF ADOLESCENTS UNDERGOING SURGERY FOR PECTUS EXCAVATUM: A RETROSPECTIVE 6-MONTHS EXPERIENCE OF MEYER CHILDREN HOSPITAL
Chiara Castellani, Florence – Italy
FRIDAY, JUNE 16

14:00-15:00 SPECIAL ISSUES THIRD SESSION

**Chairs:**
Marcello Martinez Ferro, Buenos Aires - Argentina
Claus Petersen, Hannover - Germany

CONTEMPORARY SURGERY OF PE
Mustafa Yüksel, Istanbul - Turkey

HOW TO DEAL WITH ASYMMETRY
Horacio Abramson, Buenos Aires - Argentina

THE USE OF PECTUS PRESS AND PECTUS WHISTLE
José Riba Milanez de Campos, Sao Paolo - Brasil

O. 30 GLOBAL TREATMENT FOR THORACIC ANOMALIES IN POLAND SYNDROME
Maria Vittoria Romanini, Genoa - Italy

Q&A
FRIDAY, JUNE 16

15:00-16:00 SHORT ORAL PRESENTATION THIRD SESSION

Chairs: Alessandro Gonfiotti, Florence - Italy
       Gloria Pelizzo, Palermo - Italy

S. O. 25 MONITORING THE EFFECTIVENESS OF THE VACUUM BELL DURING PECTUS EXCAVATUM TREATMENT: TECHNICAL INNOVATION
       Sergio Sesia, Basel - Switzerland

S. O. 26 SURGICAL CORRECTION OF PECTUS ARCUATUM IN A WOMAN, A CASE REPORT
       Ted Elenbaas, Eindhoven - Netherlands

S. O. 27 SPONTANEOUS TITANIUM PLATE FRACTURE
       Carolina Torres, Lisboa - Portugal

S. O. 28 N OPEN PECTUS REPAIR UTILIZING ABSORBABLE STERNAL BARS
       Daniel L. Miller, Atlanta - USA

S. O. 29 HEPATIC VEIN DOPPLER IN ADULT PECTUS EXCAVATUM PATIENTS: NORMALIZATION OF FLOW AFTER SURGICAL REPAIR
       Ryan Van Woerkom, Phoenix - USA

S. O. 30 CHEST WALL DEFORMITY AFTER CHEST WALL MALIGNANT TUMOR MULTIMODAL TREATMENT
       Federica De Corti, Padua - Italy

S. O. 31 ONE-STAGE SURGICAL CORRECTION OF PENTALOGY OF CANTRELL IN A LATIN-AMERICAN CENTER WITH AN EXTRACELLULAR MATRIX IMPLANT
       Juan Enrique Seba, Bogotá - Colombia

S. O. 32 OUR CURRENT TREATMENT METHOD IN PECTUS ARCUATUM SURGERY: LESSONS LEARNED
       Bihter Sayan, Istanbul - Turkey

S. O. 33 TRANSESOPHAGEAL ECHOCARDIOGRAPHY DURING SURGICAL CORRECTION OF PEDIATRIC PECTUS EXCAVATUM: PRELIMINARY ASSESSMENT OF INTRAOPERATIVE CARDIOLOGIC CHANGES
       Ana Lain Fernández, Barcelona - Spain

S. O. 34 EARLY OUTCOME OF SURGERY FOR THORACIC OUTLET SYNDROME
       Sungsoo Lee, Seoul - Republic of Korea
FRIDAY, JUNE 16

S. O. 35 SURGICAL MANAGEMENT OF THORACIC OUTLET SYNDROME VIA TRANSAXILLARY APPROACH: 20 YEARS OF SINGLE CENTER EXPERIENCE
Cengiz Gebitekin, Bursa - Turkey

S. O. 36 DOES INTRODUCTION OF THE ABRAMSON PROCEDURE IMPROVES QUALITY OF LIFE? ANALYSIS OF INITIAL EXPERIENCE IN A EUROPEAN TERTIARY REFERRAL CENTRE
Ine Rochus, Leuven-Limburg - Belgium

16:00-16:30 FINAL ISSUES
Chairs: Antonio Messineo, Florence - Italy, José Ribas Milanez de Campos, Sao Paolo - Brasil

VACUUM BELL THERAPY: WHO ARE SUITABLE CANDIDATES?
Frank-Martin Haecker, Basel - Switzerland

CARDIOPULMNARY DATA IN PTS WITH SEVERE PECTUS
Dawn Jaroszowski, Phoenix - USA

Q&A

16:30-17:00 CWIG PRESENT & FUTURE
Chairs: Donald Nuss, Norfolk - USA

PRESENT
Hyung Joo Park, Seoul - Republic of Korea

FUTURE
Frank-Martin Haecker, Basel - Switzerland

17:00 Closing Remarks, Prize Presentation and “See you in Seoul”
ORGANIZING SECRETARIAT & CME PROVIDER

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