

Under the High Patronage of His Serene Highness Prince Albert II of Monaco



United Nations  
Educational, Scientific and  
Cultural Organization

**o(es)**o  
the esophagus

# OESO 13<sup>th</sup> World Conference “The Esophagiome”

**Emerging issues in Health and Disease**

*Experiment and theory translated  
through technology development to clinics*

**Monaco, Grimaldi Forum  
August 31–September 3, 2015**

**Scientific program**

**President:**  
**Hans Gregersen** (Denmark, China)

**Co-Presidents:**  
**Myung-Gyu Choi** (Korea)  
**Larry S. Miller** (USA)  
**David Nocca** (France)

**[www.oeso.org](http://www.oeso.org)**



The Director-General



United Nations  
Educational, Scientific and  
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منظمة الأمم المتحدة  
للتربية والعلم والثقافة

联合国教育、  
科学及文化组织

Professeur Robert GIULI  
Fondateur et Directeur exécutif  
World Organization for Specialized  
Studies on Diseases of the Esophagus  
(OESO)  
2 boulevard Pershing  
75017 PARIS

Ref.: DG/2/15/8542

27 MARS 2015

Monsieur le Professeur,

Je me réfère à votre demande de patronage pour le 13ème Congrès mondial de la World Organization for Specialized Studies on Diseases of the Esophagus (OESO) qui se tiendra du 31 août au 3 septembre 2015 à Monaco.

Faire avancer l'état de la science et la recherche scientifique est une des missions du secteur des sciences exactes et naturelles de l'UNESCO. En outre, tenant compte de l'importance du sujet - la lutte contre le cancer, et son implication potentielle dans le domaine des sciences du vivant ainsi que, l'appui exprimé par la Commission nationale monégasque pour l'UNESCO, m'amènent à accorder avec plaisir le patronage de l'UNESCO à cet événement, selon les conditions générales ci-jointes.

En souhaitant plein succès au 13ème Congrès OESO, je vous prie, d'agréer, Monsieur le Professeur, l'assurance de ma considération la plus distinguée.

Irina Bokova



# OESO 13<sup>th</sup> World Conference

## “The Esophagiome”

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# The OESO Charter

## for the members of the Board of Trustees

Each of the specialists from all the 18 disciplines represented in the OESO contributed to build up this Organization which rapidly acquired its reputation of excellence in the international scientific community.

In becoming a member of the Board of Trustees, I accepted to adhere to the original idea at the basis of the conception of the OESO, and to allow my personal scientific reputation to uphold this distinctive society which has steadily continued, since 1978, to successfully serve the advancement of the discipline of esophagology.

I approved the aims as defined in the Bylaws of the OESO.

As an expert in my field, I shall continue to foster the founding spirit and the aims of the OESO, and I shall strive to broaden the reach of its achievements amongst the national and international bodies to which I belong.

In general terms, as a member of the Board of Trustees of the OESO, I consider myself as vested with the responsibility to represent a part of what this multi-disciplinary Organization signifies, and to contribute to maintain its scientific credibility and its reputation of excellence.



## George Triadafilopoulos

*Clinical Professor, Division of Gastroenterology  
and Hepatology, Stanford University, CA, USA*

*President, OESO*



Dear colleagues and devotees of the study  
of esophageal disease

Welcome to Monaco. *Bienvenue* a Monaco.

As the current president of OESO, I am honored and privileged to join you for the 13<sup>th</sup> World conference on **“The Esophagiome”**. This exciting meeting, put together by Hans Gregersen, Myung-Gyu Choi, Larry Miller and David Nocca, is about to take place from August 31 to September 3, 2015.

The OESO leadership, under the baton of Robert Giuli, and with the guidance and active engagement of the organizing committee, has put together a remarkable scientific program that aims to please and excite all of us, clinicians and scientists involved in the understanding, diagnosis and management of esophageal disease. It is traditional and expected that the OESO conference will provide the forum for a multifaceted, science-driven and patient-integrated approach to the ever-increasing burden of gastroesophageal reflux, esophageal dysmotility, Barrett’s esophagus and esophageal cancer.

With focused questions and answers, debates and symposia, formal lectures and poster presentations, the meeting is poised again to become a success, an indelible memory, and an opportunity to make new friends, attract newcomers to the field of Esophagology and serve as an inspiration for further research and knowledge expansion, from genetics to physiology, to medicine and surgery.

The program is self-explanatory and unique.

The participation of key opinion leaders from East and West, from the bench to the bedside, and from all possible disciplines, is a guarantee of success. The milieu is unique, the style inviting, its social program rich with nature and culture. Under the Mediterranean sun and moonlight, Monaco and OESO promise you a memorable experience.

**George Triadafilopoulos**

## The OESO Executive Board and Permanent Scientific Committee (2013)

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#### Communication Advisor

M. Burger (France)

#### Executive Secretary

Michèle Liégeon (France)



## Roger P. Tatum

*Professor of Surgery  
University of Washington, Seattle, WA, USA*

*President-Elect, OESO*



Dear Friends and Colleagues,

On behalf of the Permanent Scientific Committee of OESO, I welcome you to the 13<sup>th</sup> Congress here in one of the world's most beautiful settings, Monaco, from August 31 to September 3, 2015.

This Congress, which will be the most comprehensive OESO event to date, will focus on the whole range of esophageal physiology and pathophysiology, from birth to senescence, from health, to disease, to treatment, and to cure. Thus, the name for this 13<sup>th</sup> World Congress is, appropriately, The Esophagiome.

Like previous Congresses of the OESO, this event will bring together experts from a wide array of disciplines, ranging from molecular biology to clinical gastroenterology to esophageal surgery and everything in between, making this a meeting unlike any other. This experience will break down the "silos" that ordinarily separate us from one another in our approach to the understanding, diagnosis, and treatment of esophageal disease. All who attend will have unique opportunities to form new collaborations and to learn from one another in a way that is not possible in any other venue.

Using the well-established format of Plenary Sessions with 5-minute answers to focused questions, Symposia, Topic Fora, and additional Special Sessions, a wide range of topics will be detailed, discussed, and debated. Specific subjects that will be addressed at this conference include the modeling of esophageal physiology and function, the immunopathology of the esophagus, the role of provocative testing, and the interplay between biomechanical engineering and esophageal surgery, just to name a few. In addition, there will be a Post-Graduate Course in the physiology and mechanics of esophageal function which will launch the Congress.

For those of you who were with us in Monaco in 2008, welcome back. To those who have not yet attended a Congress of OESO, welcome to a tradition that we hope will become a new and exciting facet of your professional endeavors. I have no doubt whatsoever that you will find this to be an extraordinary opportunity to not only learn, but to help move the field forward into the future through multidisciplinary collaboration.



**Roger P. Tatum**

## Carmelo Scarpignato

MD, DSc, PharmD, MPH, FRCP (Lond), FACP, FCP, FACG, AGAF  
*Professor of Pharmacology & Therapeutics*  
*Associate Professor of Gastroenterology*

*General Secretary of OESO*  
*Secretary of the OESO Foundation*



Dear Colleagues and Friends,

Welcome to this 13<sup>th</sup> World Congress of the International Organization for Specialized Studies on Diseases of the Esophagus, now famous worldwide as OESO.

This now biennial event provides a unique forum for both clinicians and scientists to present their work and to learn about the latest developments in esophagology. Recent technology has radically changed the approach to the management of esophageal pathology. From the diagnosis of gastro-esophageal reflux using pH-impedance monitoring and the use of new high-resolution manometry to better characterize motility disorders, in conjunction with novel methods of exploring esophageal disease endoluminally, our knowledge of the esophagus has steadily advanced and sometimes even been revolutionized.

As customary, the World OESO Congresses are planned to provide a thorough analysis of specific topics in esophageal disease. This 13<sup>th</sup> World Congress of OESO is devoted to the **Esophagiome**. This evolving concept describes the physiological dynamics of the normal intact esophagus and is built upon interdisciplinary approaches applied to esophageal diseases. The so-called “esophagiome project” is a multicentric, integrated program to design, develop, implement, test, document, archive and disseminate quantitative information and integrative models of the functional behavior of the esophagus in health and disease. The choice is a timely one because recent investigations have allowed us to gain new insights into the pathophysiology of these multifaceted interactions. The esophagiome will help clinicians to understand complex clinical cases and it will represent a tool for scientists to gather and understand new information on esophageal function, stimulating translation of basic science to clinical medicine.

On reviewing the final scientific program, I hope you will agree that this year Congress assembles a clinical and scientific educational program of the highest quality, approaching esophageal disease from a multidisciplinary point of view and bringing together specialists from different

disciplines to provide a faculty of international acclaim. Its core is represented by the successful formula, with questions and answers, originally developed by Robert Giuli, and exciting symposia and topic fora will complete the scientific information to be disseminated during these four days. Moreover, as customary, a Post-graduate Course on Esophageal Disease and Pain will precede the Conference and will be particularly valuable to both young and established “esophagologists”. As a significant novelty, this year, a Plenary Session, designed as “The Great Exchange” will take place, during which industry leaders and clinical investigators will present and discuss topics of common interest.

Because of its major impact and unique educational formula, this OESO Congress represents a unique opportunity to update your knowledge in this rapidly evolving field. We look forward to gathering established and young investigators from all over the World in what we believe will be a stimulating meeting. We also hope that it will encourage new friendships, sharing of mutual knowledge and cooperation, which will extend beyond the meeting itself.

The weather in Côte d’Azur is at its best in September and you will also have the opportunity to visit Monaco and its lovely surroundings. With its deep blue water and elegant buildings, the Principality is a magic scenery you will never forget.

We are truly convinced that this 13<sup>th</sup> OESO World Congress will more than meet your expectations, from both the scientific and a social point of views.

Sincerely,

**Carmelo Scarpignato**



## Peter Pokieser

*Professor, Department of Radiology,  
Medical University of Vienna, Austria  
IT Strategies for medical information,  
communication and learning*

*Vice-President, OESO Foundation*



### Introducing the “OESO Foundation course” on Integrated Information, Communication and Education in Medicine

OESO is a pioneer society with an advanced interdisciplinary culture and established academic network over decades. The OESO experts are leading personalities in around 20 different disciplines, from basic sciences to the different clinical specialities.

The development of OESO was parallel to the high trend towards interdisciplinary medicine and the progress of communication technology and e-Learning.

OESO has published many acknowledged books and started early to integrate an internet platform as a data base for esophagology.

Currently the big task of e-Health combines innovations of information, communication and learning in medicine and the whole social space of medicine is involved.

The pertinent technical solutions are only tools and represent only a certain part of e-Health.

In fact, the individual, institutional and international work of health professionals will carry the work load of e-Health and has to be aware and knowledgeable about the emerging evidence around e-Health.

Our special “**OESO Foundation course**” is dedicated to all professional categories working in medicine or in collaborating fields. Experts will answer the burning questions around the strongly accelerated progress of e-Health, the impact of global communication for medicine and the world wide reform of medical education.

The interactive sessions will highlight the perspectives of health professionals, of patients and citizens, of institutions like hospitals and universities and the global space of international societies towards global medicine and virtual university.

Be a part of our first course on Intergrated Information, Communication and Education and meet experts of a new interdisciplinary OESO extension!

Looking forward to see you in Monaco,

**Peter Pokieser**



## Accreditations



### The Esophagiome

Emerging issues in health and disease  
– is designated for a maximum of, or up to  
**23 European CME Credits**

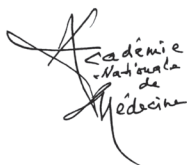
The EACCME is an institution of the European Union of Medical Specialists (UEMS), [www.uems.net](http://www.uems.net). Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of **AMA PRA Category 1 Credits™**

Information on the process to convert EACCME credit to AMA credit can be found at [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme)

# Endorsements



Académie Nationale de Chirurgie  
Académie Nationale  
de Chirurgie



Académie Nationale  
de Médecine



American Gastroenterological  
Association



American Medical  
Association



Chinese Academy of Medical  
Sciences (CAMS) & Peking Union  
Medical College (PUMS)



European Union of  
Medical Specialists



GIOME



**KSGE**  
Korean Society of  
Gastrointestinal  
Endoscopy

# The Congress Committees

## Organizing Committee

Adam D. Farmer (United Kingdom)  
James G. Brasseur (USA)  
Asbjørn M. Drewes (Denmark)  
Robert Giuli (France)  
Meiyun Ke (China)  
Richard W. McCallum (USA)  
Barry P. McMahon (Ireland)  
You-Lin Qiao (China)  
Sham Rajendra (Australia)  
Robert H. Riddell (Canada)  
Carmelo Scarpignato (Italy)  
Lee L. Swanström (USA–France)  
George Triadafilopoulos (USA)

## Young Investigators Committee

**President:** Junichi Akiyama (Japan)  
Myong Ki Baeg (Korea)  
Farhood Farjah (USA)  
Christian Lottrup (Denmark)  
Xiaohong Sun (China)  
Oxana Yanova (Russia)

## Post-Graduate Course Committee

Asbjørn M. Drewes (Denmark)  
Roger P. Tatum (USA)  
Peter C. Wu (USA)

## Jury for evaluation of Abstracts for Poster and/or Oral Presentations

Chairs: Richard W. McCallum (USA)  
Xiaoxin Luke Chen (USA)

Young-Tae Bak (Korea)  
Adam D. Farmer (UK)  
Rupert Langer (Switzerland)  
Jan Martinek (Czech Rep.)  
Laia Rofes (Spain)  
Edoardo V. Savarino (Italy)  
Jingbo Zhao (Denmark)

## Hans Gregersen

*Foreign Distinguished Expert,  
Professor, Chairman of Board, CEO and CSO,  
National Commission for Foreign Experts,  
Beijing and Chongqing University President,  
President of the 13<sup>th</sup> OESO World Conference*



Dear Friends and Colleagues,

The 13<sup>th</sup> OESO World Congress on the Esophagiome is about to begin. It is with great pleasure that we got to this exciting point in the process. There are years of preparation behind the congress, not only for the current congress where preparation started right after the Paris Congress in 2013 but the congress it is based on the well-known and well-documented "OESO concept" that was instituted at the first congress many years ago.

The "Esophagiome" is yet a concept but the 13<sup>th</sup> OESO congress constitutes an important event in realizing the project. The Esophagiome is based on the Virtual Physiological Human (VPH) initiative. The concept of a Physiome Project was first presented in a report from the Commission on Bioengineering in Physiology to the International Union of Physiological Sciences (IUPS) Council at the 32<sup>nd</sup> World Congress in Glasgow in 1993. A symposium on the Physiome Project was held at the 34<sup>th</sup> World Congress of IUPS in Christchurch, New Zealand, in August 2001 and the Physiome Project was designated by the IUPS executive as a major focus for IUPS during the next decade. Professor Peter Hunter was appointed Chair of the newly created Physiome Commission of the IUPS in 2000. Peter Hunter is one of the key figures in the emerging VPH community. Peter Hunter is professor of Bioengineering at the University of Auckland and I am pleased to welcome him as a keynote speaker at this congress.

An important aim of the Physiome Project is to develop a multi-scale modelling framework for understanding physiological function that allows models to be combined and linked in a hierarchical fashion. If we translate this to the Esophagiome we need to develop electromechanical models of the esophagus where we need to combine models of ion channels, myofilament mechanics and signal transduction pathways at the subcellular level and then link these processes to models of tissue mechanics, contraction force and propagation, and to esophageal fluid mechanics. Generated computer models will be capable of predicting how the health of a patient will evolve under certain conditions. Models can be defined at various

levels of abstraction spanning from the conceptual level (the domain of biologists and physicians) where words are used to describe the model, to models on the mathematical level, the formulation level and the solution level. Needless to say, for the Esophagiome we are at the beginners stage and in a community dominated by biologists and clinicians. In others words we have to start at the conceptual level. However, work has been done on higher levels for several years though it has not reached proper attention yet. The OESO Esophagiome Congress is an important step in this regards with many sessions devoted to interaction between the levels and between disciplines.

In my opinion we have put together the most interesting and interdisciplinary program ever for OESO. By "we" I mean the co-presidents of the meeting, the OESO Secretariat, the chairmen and the speakers as well as numerous other persons being involved in the preparation. The program covers all major topics of esophageal science and clinics with emphasis on linking esophageal physiology and disease to modeling.

The OESO congresses stand as interactive and interdisciplinary events of high scientific and clinical value. On behalf of my co-presidents of the congress, professors Myung-Gyu Choi, Larry S. Miller and David Nocca, I warmly welcome you to the 13<sup>th</sup> OESO Congress in Monaco on the Esophagiome and to participate in the most interactive way you can think of.

**Hans Gregersen**

## Myung-Gyu Choi

*Professor of Medicine  
Catholic University of Korea  
Seoul St. Mary's Hospital  
President of the Korean  
Society of Gastrointestinal  
Endoscopy*

*Co-President, 13<sup>th</sup> OESO  
World Conference*



## David Nocca

*Professor of Surgery  
University of Montpellier  
Director, Scientific  
Committee of the French  
Bariatric Society*

*Co-President, 13<sup>th</sup> OESO  
World Conference*



Dear Friends and Colleagues,

On behalf of the organizing committee and Korean Society of Gastrointestinal and Endoscopy (KSGE), we would like to welcome all of you to 13<sup>th</sup> World Conference of OESO. We are very pleased and proud that the KSGE co-organized this prestigious event.

This exceptional four-day event focuses on the topic of the esophagus, under the theme: "The Esphagiome". This year's OESO is a comprehensive conference unique in the world with topics ranging from bench to bedside, advanced diagnostic tools to the latest up-to-date therapeutics. All participants, from basic researchers to clinicians, will surely be satisfied with the intellectual and social programs. We hope that OESO fulfils your expectations as a unique platform for collaboration and the exchange of knowledge.

With the co-organization from the KSGE and the influence of president Hans Gregersen, who works in China, this congress will see more Asian speakers and participants than ever before. The spectrum of esophageal diseases has changed in the East. Participants will be able to see the similarities and differences between the East and the West. I am looking forward to active discussions on recent progress in this field and make plans for the future.

Therapeutic endoscopic procedures such as POEM and ESD have become standard therapy in Korea and Japan and are becoming popular in the West. Development in both minimal invasive endoscopic surgery as well as advanced imaging has brought great advances in the diagnosis and treatment of esophageal diseases. This area is developing so rapidly and the unique discussion format of this congress will be a good opportunity for both clinicians and researchers.

This is the first time Korea has held a prominent role in the OESO. We believe that this congress will not only inherit the great tradition of the twelve previous OESO congresses but will add to it. Enjoy Monaco and have a wonderful scientific experience.

*Myung-Gyu Choi*  
**Myung-Gyu Choi**

Dear Colleagues,

It's a great honor for me to have been chosen as co-President of the 13<sup>th</sup> OESO Congress.

I discovered this tremendous society 10 years ago and, since then, I have been increasingly impressed by the number and the quality of the educational projects of OESO.

I am currently involved in the African Tele-Medicine project in collaboration with the OESO Foundation. A first stone was placed in Cameroon to develop laparoscopic and endoscopic treatment in this country. Many others initiatives such as this one are needed on that continent in order to improve the diagnosis and management of patients.

Moreover, I have participated in many OESO congresses (Avignon, Boston, Paris, Como) where a great many well known experts from all fields, involved in gastro-esophageal disease, answered a host of challenging, sometimes tough questions!

I am sure that this 13<sup>th</sup> meeting will afford, as the preceding ones, a rich scientific experience for the participants, as well as the attendees. This year, the theme, "The Esphagiome", will offer us all a "walk-through" the esophagus, and an opportunity to grasp its complexities.

After many varied, attractive venues, this time it's Monaco.

I shall be pleased to see you there.

**David Nocca**

## Larry S. Miller

*Professor of Medicine  
Hofstra North Shore-LIJ School of Medicine  
Long Island Jewish Medical Center, New-York, NY, USA  
Co-President of the 13<sup>th</sup> OESO World Conference*



Dear 13<sup>th</sup> OESO World Congress Participants,

It is a great time to be an esophagologist and the 13<sup>th</sup> OESO World Congress, here in Monaco, is a great event to bring esophageal experts from all disciplines and parts of the globe together.

Since its inception, The OESO World Congress has been the world's premiere esophageal meeting. This 13<sup>th</sup> congress is no exception and marks a particularly exciting assembly. The program, in its entirety, through its world-class individual sessions and renowned participants, is designed and dedicated to exploring various models of the esophagus and integrating these models together.

There are multiple ways of modeling the esophagus, from anatomic to physiologic, and from mechanical to mathematical. Each discipline brings a unique perspective to our overall understanding. The OESO World Congress is an unsurpassed opportunity to merge these various disciplines and viewpoints into a cohesive body of knowledge, promoting a more inclusive overall model.

The timing of this year's OESO World Congress could not have been better. With the introduction of many new discoveries and advances in technology, we stand at the brink of a revolution in esophagology. Whether it is the new modalities in treating GERD using magnets and radio-frequency techniques, the cutting-edge methods of treating cancers using endoscopic submucosal dissection, or the new methods of treating esophageal motility disorders using POEMs, it is easy to see why the anticipation for this meeting has been so high.

The 13<sup>th</sup> OESO World Congress is aptly named, "The Esophagiome". This title is fitting for a number of reasons; principal amongst them is the collaborative and interdisciplinary nature of the meeting. Through archiving data from experimental observations, to the scientific and medical understanding of the esophagus, The Esophagiome represents an integration of various models of the esophagus and the people who work to develop them.

It is with great pleasure and enthusiasm that I welcome you to the 13<sup>th</sup> OESO World Congress here in our unique and beautiful venue. I invite you to discuss ideas, learn new concepts, and rub elbows with the great luminaries in esophagology from around the world.

Welcome to Monaco.

Sincerely,

**Larry S. Miller**



Le voici donc, ce 13<sup>ème</sup> congrès de l'OESO !

Le voici donc encore, ce programme qui témoigne de la poursuite de l'élan de l'OESO, et du succès de son format !

Depuis le tout début de notre aventure commune, nous avons, obstinément, joyeusement, poursuivi notre but de faire monter dans notre bateau les meilleurs représentants de toutes les spécialités, et de nous aider à tous converger vers un but unique : la mise à plat, question après question, d'un seul sujet de l'oesophagologie...

Ils sont encore là, ou beaucoup d'entre eux, les fidèles, ceux qui ont cru depuis les premiers jours que nous avions raison, que nous avions l'énergie nécessaire, que nous allions l'entretenir sans relâche, et que nous allions créer quelque chose qui n'existait pas vraiment encore, en tous cas dans cette toute jeune science...

Monaco nous accueille une nouvelle fois cette année. Nous y retrouvons beaucoup de ceux qui ont fait le succès de notre congrès, ici, en 2008...et qui continuent de nous offrir le soutien d'une organisation exemplaire, dans le contexte d'un désir partagé, jusqu'au plus haut niveau de la Principauté, de faire durer et de parfaire encore un modèle de réussite...

Ils sont venus de tant de pays, souvent de l'autre bout du monde et à leurs propres frais parce qu'ils savaient nous ne pouvions faire autrement, et chacun a accepté de ne pas être considéré comme un invité au tapis rouge, mais comme le participant actif d'une belle synthèse à laquelle chacun aura apporté une petite – peut-être – mais essentielle contribution !

Ce programme formidable réalisé grâce à eux va avoir une suite. Chacune des 64 sessions comporte de véritables pépites qui auront toutes l'avantage de jouer leur rôle dans l'avancée des connaissances qui vont se concrétiser lorsque toute cette masse d'informations aura pu décanter.

Et puis, cette année, plusieurs sessions vont nous permettre, vont vous permettre, d'échanger directement dans trois sessions scientifiques avec nos partenaires, les représentants de ces firmes qui forment pour nous la passerelle in-dis-pen-sa-ble pour aller à l'aboutissement de nos idées et de nos projets.

Je me retourne, je vois le chemin parcouru depuis ce pari – fou – de mettre sur un même damier de connaissances toutes les disciplines tournées vers un seul et même domaine de notre profession.

Et je regarde devant, je vois la route longue qui est devant nous, je vois les projets qui la jalonnent, je vois la Principauté et le Grimaldi comme un havre prestigieux sur notre chemin, avec le patronage prestigieux de SAS le Prince de Monaco, celui de Madame la Directrice Générale de l'UNESCO et de Madame la Directrice Adjointe pour les Sciences...

Les congrès se sont succédé...les générations aussi, et les jeunes ont sauté à bord... Et les projets continuent de fleurir, ceux de l'OESO comme ceux de sa Fondation, avec son label de prestige donné par l'UNESCO !

Je sais bien que ce 13<sup>ème</sup> congrès va être un beau succès, grâce à tous les ingrédients réunis ici à cette occasion, grâce à ceux qui m'aident de leur présence, de leurs idées, de leurs conseils, et de leur force, grâce à vous qui avez cette fois encore répondu à notre appel, qui avez accepté de vous plier à la contrainte difficile du format de l'OESO,

et qui me permettez aujourd'hui, tout simplement, de vous dire ma reconnaissance.



# Anacrusis

## Robert Giuli

*Professor of Surgery  
Founder & Deputy Executive Director of OESO  
Executive Director of the OESO Foundation*



Well, here is the 13<sup>th</sup> Congress of OESO!

Here again is a scientific program which shows that OESO's enthusiastic search for knowledge, and the success of its format carry on!

Since the very beginning of our joint endeavor, we have, relentlessly, eagerly, pursued our goal of bringing aboard our boat, the best representatives of all the disciplines, to help us converge on a singular aim: to examine, question by question, from every angle, one, single subject of esophagology...

They are still here, or many of them, the loyal followers who, since the first days, have believed that we were right, that we had the required energy, that we could unfalteringly sustain it, and that we were going to create something that really hadn't existed before, at least not in the realm of this extremely young science...

Monaco welcomes us, another time, this year.

We meet again here many of those who made the 2008 congress a success, and who continue to provide us with the backing of an exemplary organization in the context of shared determination, all the way up to the highest level of the Principality, to perfect and prolong a model of success...

You, the speakers, coming from so many countries, often from across the world, at your own cost because you knew OESO couldn't do otherwise, you accepted not to be considered as a special guest with a red carpet reception, but rather as an active player in an extraordinary attempt to reach a synthesis to which each of you may have brought perhaps only a small – but essential – contribution!

This imposing program, achieved thanks to you, will have a follow-up. All of the 66 sessions comprise priceless points, each one to play its role for the advancement of knowledge when the mass of information will have been settled and processed.

And, this year, several sessions will allow us, will allow you, to have a direct exchange in three scientific sessions with our Industry partners, the representatives from the Firms that are for us the in-dis-pen-sa-ble vehicle to carry through our projects and ideas!

I look behind,  
I see a path that was drawn since the wager – the ludicrous wager – to put on the same chess board of knowledge all the disciplines involved in a sole, unique domain of our profession.

And I look ahead,  
I see the long road before us,  
I see the projects that mark it off,  
I see the Principality and the Grimaldi as a prestigious haven along our road,  
with the patronage of HSH the Prince of Monaco, that of the Director General and the Assistant Director General for Sciences of the UNESCO...

The congresses have come one after the other...the generations likewise, and the young have jumped aboard... And projects continue to spring up, those of OESO, those of the OESO Foundation, with the stamp of distinction bestowed by UNESCO!

I know full well that the 13<sup>th</sup> Congress will be a handsome success,  
thanks to all the components assembled here on this occasion,  
thanks to those who have helped me by their presence, their ideas, their advice, and their strength,  
thanks to you who have, once again, responded to our call, who have accepted to comply with the stringent constraints of the OESO format,

who bring me today,  
very simply,  
to the expression of my appreciation.

**Robert Giuli**

Program at a glance

Monday, August 31	TIME	Room Camille Blanc	Room Van Dongen	Room Genevoix
	10:30 am 12:30 pm			
	02:00 pm 04:00 pm			
	04:30 pm 06:00 pm			
	06:30 pm	<b>OPENING CEREMONY</b> Room Prince Pierre		
Tuesday, September 1	08:00 am 10:00 am	<b>Neurophysiology:</b> From the esophagus to the brain and back again <b>1</b>	<b>From theoretical model to clinical practice</b> (1) <b>2</b>	<b>Endoscopic technologies</b> Panel / Selected companies <b>3</b>
	10:30 am 12:30 pm	<b>New Paradigms of</b> Information, Communication and Learning in Medicine <b>6</b>	<b>From theoretical model to clinical practice</b> (2) <b>7</b>	<b>Functional technologies</b> Panel / Selected companies <b>8</b>
	12:30 pm 02:00 pm	Lunch		
	02:00 pm 04:00 pm		<b>"Imagine"</b> <b>11 / 12</b> <b>Advanced luminal imaging</b> Imaging esophageal structure and function	<b>Provocative testing</b> and it's future <b>13</b>
	04:30 pm 06:30 pm	<b>The Great Exchange</b> Scientists/Clinicians meet Industry <b>16</b>		
Wednesday, September 2	08:00 am 10:00 am	<b>The OESO White Paper</b> <b>18</b>	<b>Symposium</b> Laryngo-pharyngeal Reflux: Treatment Beyond PPIs	<b>Oral Presentations Endoscopy</b> <b>19</b>
	10:30 am 12:30 pm	<b>Form and function, or function and form:</b> Remodeling <b>21</b>	<b>Immunomediators</b> of esophageal mucosal damage <b>22</b>	
	12:30 am 02:00 pm	Lunch		
	02:00 pm 04:00 pm	<b>Lectures</b> <b>B   C</b>	<b>Symposium</b> The Use of Non-Ablative Radiofrequency Energy for the Treatment of GERD	<b>Interactions heart-esophagus</b> Friends or foes? <b>23</b>
	04:15 pm 05:30 pm	<b>Mini Forum</b> Expert/Young Investigator <b>Physiology/ Functional diseases</b> <b>26</b>	<b>Mini Forum</b> Expert/Young Investigator <b>Endoscopy- Endoscopic surgery</b> <b>27</b>	<b>Mini Forum</b> Expert/Young Investigator <b>Surgery</b> <b>28</b>
	08:00 pm	<b>GALA EVENING</b> Yacht Club Monaco		
Thursday, September 3	08:00 am 10:00 am	<b>Allergies on the run</b> Eosinophilic esophagitis <b>31</b>	<b>Follow the swallow</b> A multidisciplinary kick <b>32</b>	<b>Airway reflux</b> <b>33</b>
	10:30 am 12:30 pm	<b>GERD-NERD-NCCP</b> Revived <b>36</b>	<b>12 Selected posters</b> (Oral presentation) <b>37</b>	<b>The inlet and outlet valves</b> Sphincteric issues <b>38</b>
	12:30 pm 02:00 pm	Lunch		
	02:00 pm 04:00 pm	<b>Engineering the esophagus</b> Role of engineers and surgeons <b>41</b>	<b>Between GERD and NERD</b> Weekly acidic reflux <b>42</b>	<b>Oral Presentations Motility</b> <b>43</b>
	04:05 pm 04:45 pm		<b>Towards the Esophagiome</b> <b>46</b> Integration of models From Genetics to Physiology	
	04:50 pm 05:30 pm		<b>Closing</b>	

Room Bosio	Room Poulenc	Room Lifar	Room Scotto
	<b>Post-graduate course</b> Clinical Session <b>Esophageal Disease</b>		
	<b>Post-graduate course</b> <b>on esophageal pain</b>	Course Introduction: <b>OESO – IICE</b> 47	
		Psychology, Sociology and Clinical Medicine 48	
<b>OPENING CEREMONY</b> Room Prince Pierre			
<b>Bariatric surgery</b> 4 The Impact of obesity on foregut cancer (1)	<b>Locally advanced</b> <b>esophageal cancer</b> 5 Contemporary options for management and controversies		Oral Presentations <b>Cancer 1</b> 57
<b>Bariatric surgery</b> 9 and motility disorders (2)	<b>Advanced esophageal</b> <b>cancer</b> 10 Advances in systemic therapy		Oral Presentations <b>Cancer 2</b> 58
<i>Lunch</i>			
<b>Sensory abnormalities</b> 14 in esophageal disease	<b>Hands on simulation</b> 15 (1)	<b>Individuum and</b> <b>medicine:</b> 49 Health professionals	Oral Presentations <b>Cancer 3</b> 59
	<b>Hands on simulation</b> 17 (2)	<b>Individuum and</b> <b>medicine:</b> 50 Patients, citizens	Multi-disciplinary Presentations 60
	<b>Pediatric esophagus</b> 20 Across the age spectrum (1)		
<b>GERD</b> 24 and <b>malignancy</b>	<b>Pediatric esophagus</b> 25 (2)	<b>Medical institutions:</b> 51 Hospitals, patient care	
<i>Lunch</i>			
		<b>Medical institutions:</b> 52 Science and education	Oral Presentations <b>GERD</b> 61
<b>Mini Forum</b> 29 Expert/Young Investigator <b>Pathology</b>	<b>Mini Forum</b> 30 Expert/Young Investigator <b>Cancer</b>	<b>Medical institutions:</b> 53 Interactive workshop	
<b>GALA EVENING</b> Yacht Club Monaco			
<b>Esophageal motility</b> 34 measurement and surgery	<b>Young Investigators</b> 35 Special Session	<b>International social</b> 54 <b>space:</b> Global medicine	Oral Presentations <b>Surgery 1</b> 62
<b>Esophageal Pathology</b> 39 Potpourri	<b>Esophageal surgery</b> 40	<b>International social</b> 55 <b>space:</b> Virtual university	Oral Presentations <b>Surgery 2</b> 63
<i>Lunch</i>			
<b>12 Selected posters</b> 44 (Oral presentation)	<b>Achalasia update</b> 45	<b>International social</b> 56 <b>space:</b> Interactive workshop	Oral Presentations <b>Surgery 3</b> 64

Monday, August 31

Tuesday, September 1

Wednesday, September 2

Thursday, September 3



# Opening Ceremony

Monday, August 31  
6.30 pm

• at the Grimaldi Forum Salle Prince Pierre •

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## Dance performance “The passengers”

### **The passengers**

Evolving around hundreds of small hourglasses, humanity attempts to make its way through.

A dance of life, fleeting, under the eye of time that is closely watching.

It all begins by a luminous spot on two bodies interwoven in the center of the stage.

Then, as this ray of light widens, the bodies untie and begin swirling.

They are going to live their lives – that is – their dance.

Their points and balances, uncertain, reflect the frailty of life.

(Coproduction Anthéa and Eugénie Andrin Dance Company)

# Opening Ceremony

**General Delegate for Tourism and Congresses, Principality of Monaco**  
Mr Guillaume Rose

**Founder of OESO – Deputy Executive Director**  
R. Giuli

**President of OESO**  
G. Triadafilopoulos

**Secretary General of OESO**  
C. Scarpignato

**Vice-President of the OESO Foundation**  
P. Pokieser

## Congress Presidents

H. Gregersen  
Myung-Gyu Choi  
L. S. Miller  
D. Nocca

*...the esophagiome*

*J.G. Brasseur – H. Gregersen – R.W. McCallum*

**President of the Scientific Center of Monaco**  
P. Rampal – *Michèle Liégeon*

**Assistant Director-General of UNESCO  
for Natural Sciences**  
Dr Flavia Schlegel

**Minister of State**  
His Excellence Michel Roger

**Welcome Address**  
His Serene Highness Prince Albert II

## Reception

- on the Esplanade Princess Grace •

*given by the Direction of Tourism and Congresses  
of Monaco*

Monday, August 31

## Post-Graduate Course Clinical Session

Monday, August 31  
10:30 am – 12:30 pm

■ Room: Poulenc

### Current Techniques in Esophageal Disease

Chairs: **Roger P. Tatum (USA)** – **Peter C. Wu (USA)**

- Update on pharmacologic options in refractory reflux and atypical symptoms of GERD.  
**Carmelo Scarpignato (Italy)**
- Utilizing Chicago Classification 3.0 in High-Resolution Manometry: advances in diagnosis and comparison with older methods of interpretation. **C. Prakash Gyawali (USA)**
- Surveillance in Barrett's Metaplasia: current recommendations and debates.  
**Varocha Mahachai (Thailand)**
- Advanced endoscopic resection techniques for esophageal lesions. **Kevin Reavis (USA)**
- Use of esophageal stents: indications and outcomes. **Kulwinder S. Dua (USA)**
- Repair of giant hiatal hernia: current recommendations. **Edgar Figueredo (USA)**
- Evolution of minimally invasive esophagectomy, and where are we now? **Carlos A. Galvani (USA)**
- Alternative esophageal conduits: when and what to use when the stomach is not an option?  
**Robert Yates (Seattle)**

## Post-Graduate Course on esophageal pain

Monday, August 31  
2:00 – 4:00 pm

■ Room: Poulenc

Chair: **Asbjørn M. Drewes (Denmark)**

- The visceral pain system. **Asbjørn M. Drewes (Denmark)** 30 min
- The concept of quantitative sensory testing:  
How to stimulate the esophagus? **Asbjørn M. Drewes (Denmark)** 20 min
- How to measure the central processing of esophageal sensations and pain?  
a) neurophysiological methods: **Christina Brock (Denmark)** 20 min
- How to measure the central processing of esophageal sensations and pain?  
b) imaging methods: **Jens B. Frøkjær (Denmark)** 20 min
- How to treat esophageal pain: evidence from experimental methods.  
**Asbjørn M. Drewes (Denmark)** 20 min

Discussion 10 min

# The OESO Foundation Course

## The UNESCO Chair for distance Learning

### OESO – IICE

Integrated Information, Communication and Education  
in Medicine

## Session 47

Monday, August 31  
2:00 – 4:00 pm

■ Room: Lifar

### Course Introduction: OESO – IICE

Chairs: **Peter Pokieser (Austria)** – **Martin R. Fischer (Germany)**

Promoting interdisciplinary exchange between clinical and social sciences, the OESO Foundation presents an interactive course about medical information communication and learning in medicine

- “The unified patient hospital” a model of global medicine. **Peter Pokieser (Austria)**
- Empowerment of health professionals in the “knowledge age”.  
**Michaela Wagner Menghin (Austria)**
- A patient, a problem and responsibility: the Clinician’s privilege. **Martin R. Fischer (Germany)**

## Session 48

Monday, August 31  
4:30 – 6:00 pm

■ Room: Lifar

### Psychology, Sociology and Clinical Medicine

Chairs: **Peter Pokieser (Austria)** – **Martin R. Fischer (Germany)**

- Information psychology and technology: mind and tools. **Michaela Wagner Menghin (Austria)**
- Communication sciences: what doctors should know about TV. **Peter Pokieser (Austria)**
- Why science of education is not E-Learning. **Martin R. Fischer (Germany)**

Following  
sessions  
shown on  
pages 60-65

# Sessions

The format of **questions/answers** remains the OESO platform – greatly awaited – of the scientific sessions: several series of very precise questions dealing with any of the 19 disciplines represented in OESO, with answers not exceeding 5 minutes each.

This is by far the formula applied for the major part of the program, allowing for an exceptional in-depth dissection of the single theme of the congress.

The titles of the sessions give a taste of the true multi-disciplinary, transversal approach of the topics, related to fundamental, physiological research, as well as to clinical investigations and treatments of esophageal dysfunction and diseases.

The aim of the program is to study in a trans-disciplinary way one organ, the esophagus, in all its aspects, from its physiological functions to diverse pathological evolutions.

It will offer, throughout 3 full days, an exhaustive access to esophagology.

The names of the speakers are those of prestigious, world renowned specialists.

They illustrate the level of the scientific program.





# Session 1

Tuesday, September 1  
8:00 – 10:00 am

■ Room: Camille Blanc

## Neurophysiology

From the esophagus to the Brain and back again

Chairs: **Richard W. McCallum (USA)** – **Asbjørn M. Drewes (Denmark)**

Discussant: **Adam D. Farmer (UK)**

- Overview of the neurophysiology of the esophagus with reference to pain.  
**Richard W. McCallum (USA)**
- Novel technologies to investigate esophageal physiology. **C. Prakash Gyawali (USA)**
- Investigating the esophageal mucosal barrier in painful esophageal disorders.  
**Adam D. Farmer (UK)**
- Imaging of esophageal pain – fMRI. **Jens Frøkjaer (Denmark)**
- Imaging of esophageal pain – DTI. **Jens Frøkjaer (Denmark)**
- The effect of personality on esophageal pain. **James Ruffle (UK)**
- Can physical exercise modulate esophageal pain? **Christina Brock (Denmark)**
- Physiological vagal modulation of esophageal pain. **Adam D. Farmer (UK)**
- Electrical vagal modulation of esophageal pain. **Christina Brock (Denmark)**
- Esophageal pharmacotherapy in the 21<sup>st</sup> century – beyond PPIs. **Carmelo Scarpignato (Italy)**

# Session 2

Tuesday, September 1  
8:00 – 10:00 am

■ Room: Van Dongen

## From theoretical model to clinical practice (Part 1)

Chair: **James G. Brasseur (USA)**

Discussant: **Peter Hunter (New Zealand)**

### Mechano-Physiology of the Gastro-Intestinal Tract

*The aim of this symposium is to demonstrate the importance of the interaction between neurophysiological signaling between the various muscle groups of the esophageal body and sphincters, the mechanical responses of these muscle groups by changes in muscle tension, the resulting deformation changes that force the liquid bolus within the upper GI tract, the functional consequences of the above, and the clinical applications of deeper levels of understanding of the interactions between mechanics and neurophysiology in diagnostics and therapeutics surrounding treatments of functional disorders and esophageal disease. A second theme is the potential value of mathematical modeling and computer simulation to enhance knowledge and to integrate with evaluation techniques such as high-resolution manometry, impedance and imaging.*

- Mechano-physiology: integrations of mechanical principles, neuro-physiology of muscle response, and modeling in the analysis of esophageal function. **James G. Brasseur (USA)**
  - Mix of pedagogy with research to discuss mechanical response to neurophysiological inputs in the function and dysfunction of the esophageal body and the function of the gastro-esophageal segment.
  - Physio-mechanics of the “transition zone”. – Physio-mechanics of esophageal emptying.
  - The application of mathematical modeling and computer simulation to enhance understanding of mechano-physiology.
- Neurogenic propulsive mechanics. **Jack Wood (USA)**
  - Polysynaptic reflex circuits. – Excitatory motor neurons: changes in muscle tone.
  - Inhibitory motor neuron: changes in muscle tone. – Response of the tunica muscularis to neural input.
  - Neurological control of propulsion.
- Anatomy, physiology, neurophysiology and mechanical response of the muscles of the esophagus and proximal stomach. **Larry S. Miller (USA)**
  - The interactions between the neurophysiological processes and changes in muscle tone in the muscle groups that contribute to the sphincteric function of the gastro-esophageal segment: (a) the skeletal muscles of the crural sphincter, (b) the smooth muscles of the sling and clasp fiber complex, and (c) the transition in smooth muscle structure from the esophageal body into the sphincteric segment.
  - “Normal” interactions among these skeletal and smooth muscle groups to allow the sphincteric segment to function normally (i.e., to open to allow a bolus to be forced from the lower esophagus into the gastric cardia, closed to protect the lower esophagus against acid reflux, and open to allow belch and regurgitation when needed).
  - “Abnormal” interactions among these muscle groups that lead to mechanical failure and unwanted or chronic reflux.
- The potential role of intraluminal impedance measurement in deducing esophageal fluid motions. **Taher Omari (Australia)**
  - (Very Brief) background on how esophageal intraluminal impedance has been used in the past.
  - Use of impedance to predict bolus diameter and diameter change *in-vivo*.
  - Combining impedance measurement with pressure measurement to determine mechanical wall states in real time *in-vivo*.
  - Use of mechanical wall states to deduce neural inputs.
  - Use of mechanical wall states to explain symptom generation in individual dysphagia patients.
- Normal and abnormal variation in swallowing patterns: clinical utility and their potential role as phenotypes. **Rohan B. Williams (Republic of Singapore)**
  - High resolution video-manometry captures the complexity of pressure-flow phenomena in swallowing in an unprecedented level of detail.
  - One consequence of this increase in data quantity and quality in that biological variation between individuals (inter-subject variation) is no longer simply a matter of understanding statistical variation in the small number of measured variables, but is rather an inherent and conspicuous feature of the data.
  - The systematic exploitation of such data on inter-subject variation has the potential to greatly improve our understanding of swallow function, at multiple biological levels.
  - I will illustrate this notion by examining patterns of intersubject variation in normal and disordered swallowing, including instances of highly deranged, or decompensated, swallowing in patients.
  - Secondly, I will demonstrate the potential for features of video-manometry data to be used for disease classification, as illustrated by the example of distinguishing dysphagia of myogenic from neurogenic origin in inflammatory myopathy.
  - Finally, the opportunities and challenges of using high resolution video-manometry data as phenotypes in the large scale genetic surveys will be briefly explored, with specific reference to gaining insight into the molecular-cell correlates of normal and disordered swallowing.



# Session 3

Tuesday, September 1  
8:00 – 10:00 am

■ Room: Genevoix

## Endoscopic technologies

Panel clinicians / Selected companies

Chairs: **George Triadafilopoulos (USA)** – **Myung-Gyu Choi (Korea)**

Panel: **Eduardo De Moura (Brazil)** – **Thomas D. Wang (USA)**

Industry panel:

- Stenting the esophagus / benign & malignant diseases. **Boston Scientific**
- Magnifying endoscopy with Narrow Band Imaging. **Olympus**
- Fluorescence imaging. **Olympus**
- Confocal laser and probe-based endomicroscopy. **Mauna Kea**
- Focal ablation systems and cryotherapy. **C2 Therapeutics**

- 
- Selected firms specializing in the field of Endoscopy will be represented on stage.
  - Facing them will be clinicians, each one renowned at the highest international level.
  - First, a presentation by each representative of a firm, putting forth the qualities and nature of its devices, plus the future prospects its ongoing research leads to hope for in this domain.
    - Then, an exchange,
      - with the panel of clinicians, in the format of several, carefully drawn up questions approved beforehand by the firm,
      - with the public of potential users, made up of practitioners and young investigators,
    - completed after the congress by a document written by the panel, sent to the firms for approval, and made widely accessible on the IT media.

This interactive exchange will by no means represent a competition between firms but, on the contrary, an opportunity to put forth the advantages of their devices.

In addition, this session will take place in the framework of a moral charter which will guarantee that no firm participating will find itself facing competition from another Industry representative contributing to the exchange.

- *Each Industry representative is to clearly and objectively put forth those products suited to the debate in such a way as to enlighten the public on the current and future prospects of his/her company.*
- *Each Industry representative will be requested to address questions following the presentation in a manner so as to exclude any negative reference to his/her competitor.*

# Session 4

Tuesday, September 1  
8:00 – 10:00 am

■ Room: Bosio

## The Impact of obesity on foregut cancer

Chairs: **David Nocca (France)** – **Jaideep Raj Rao (Singapore)**

Discussant: **Kevin Reavis (USA)**

- Should the obese population be screened for esophageal cancer? **Wen-qiang Wei (China)**
- What impact does obesity have on esophagectomy operative risk? **Robert Yates (USA)**
- What are the common genetic pathways between obesity and esophageal cancer? **Asad Umar (USA)**
- Does weight loss surgery reverse esophageal cancer risk? **David Nocca (France)**
- Is gastric bypass contraindicated in the Asian population? **Jaideep Raj Rao (Singapore)**

### Complications

- Is CT scan the best imaging to detect post-surgical complications in the esophagus?  
**Peter Pokieser (Austria)**
- What is the incidence of severe regurgitation post lap band? **Kevin Reavis (USA)**
- Electrical stimulation for reflux after sleeve gastrectomy. **Alejandro Nieponice (Argentina)**
- Are endoscopic stents the way to treat gastro-esophageal leaks? **Kevin Reavis (USA)**
- Should we really stent post- surgical esophageal leaks? **Jean-Christophe Valats (France)**
- What are the endoscopic treatment options for esophageal fistulas? **Jong-Jae Park (Korea)**



# Session 5

Tuesday, September 1  
8:00 – 10:00 am

■ Room: Poulenc

## Management of locally advanced esophageal cancer Contemporary options and controversies

Chairs: **David H. Ilson (USA)** – **Tie-Hua Rong (China)**

Discussant: **Paul M. Schneider (Switzerland)**

- Preoperative chemotherapy versus chemoradiotherapy in esophageal and GE junction adenocarcinoma: what is the status of the current debate?
  - Case presentation before and after debate: a 58 year old male with a T3N1 GE junction adenocarcinoma.
  - Preoperative Chemotherapy.
  - Preoperative Chemoradiotherapy. **David H. Ilson (USA)**
- What is optimal therapy for squamous cancer of the esophagus: chemotherapy, chemoradiotherapy, or surgery?
  - Case presentation before and after debate: a 63 year old woman with a distal third squamous cancer of the esophagus, T3N1.
  - Chemoradiotherapy without surgery. **Mark Krasna (USA)**
  - Surgery is mandatory regardless of preoperative therapy. **Richard van Hillegersberg (Netherlands)**
- HER2 and other Biomarkers: What is the status of targeted therapies in combined modality therapy of esophageal cancer?
  - Didactic Lecture: What is the status of targeted therapies in combined modality therapy of esophageal cancer? **David H. Ilson (USA)**
  - Case presentation before and after lecture: a 60 year old man presents with a T3N1 GE junction adenocarcinoma, 3+ for HER2.
- Panel discussion



## Session 6

Tuesday, September 1  
10:30 am – 12:30 pm

Room: Camille Blanc

### New paradigms of Information, Communication and Learning in Medicine

Chairs: **Peter Pokieser (Austria)** – **Martin R. Fischer (Germany)**

#### Clinical medicine meets Psychology and Sociology

- What are the new paradigms of information, communication and learning in Medicine?  
**Peter Pokieser (Austria)**
- What is the specific contribution of OESO to the medical community? **Peter Pokieser (Austria)**
- The OESO method of interdisciplinary questions and answers: a model for education?  
**Christoph Schuhmacher (Germany)**

Discussion

- Steady growth of the www medical social space: how is e-Learning in Eurasia? **Mansoor Fatehi (Iran)**
- Steady growth of the www medical social space: how is e-Learning in Asia? **Peter Pokieser (Austria)**
- UNESCO Chair for distant learning: how is e-Learning in Africa?  
**Antoine Geissbuhler (Switzerland)**

Discussion

- Modern medical education: local art or global trend? **Martin R. Fischer (Germany)**
- Psychology: do we improve in our patient relations? **Michaela Wagner Menghin (Austria)**
- e-Health and e-Learning: is there any relation between telemedicine and teleeducation?  
**Vivian DeRuijter (Netherlands)**

Discussion

- Social media: successful tools for individuals and business, how is about institutional medicine?  
**Alexander Sachs (Austria)**
- Massive open online courses and webinars: a temporary fashion or powerful development?  
**Alexander Sachs (Austria)**
- Semantic search for medical information: do we expect a boost of information quality?  
**Elmar Kotter (Germany)**

Discussion

- Theranostics: do they have an impact on esophagology? **Osman Ratib (Switzerland)**
- What is the role of radiology for e-Health? **Emanuele Neri (Italy)**
- Digital pathology: too much data for e-Health? **Wolfgang Pokieser (Austria)**

Discussion



# Session 7

Tuesday, September 1  
10:30 am – 12:30 pm

■ Room: Van Dongen

## From theoretical model to clinical practice

(Part 2, continued from Session 2)

Chair: **James G. Brasseur (USA)**

Discussant: **Peter Hunter (New Zealand)**

### Mechano-physiology of the gastro-intestinal tract (Cont.)

- The esophagiome concept with special focus on tissue remodeling and what drives remodeling. **Hans Gregersen (Denmark-China)**
  - The concept of the Esophagiome and applying bioengineering principles in Esophagology.
  - Geometric and structural remodeling. – Mechanical and functional remodeling.
  - What are the key drivers of physiological and non-physiological remodeling.
  - Assessment of remodeling in human and animal experiments. – Reversibility of remodeling.
  - Remodeling, disease and symptoms.
- Esophageal function and structure from distension – Adding to the knowledge base. **Barry P. McMahon (Ireland)**
  - Is the body of knowledge enhanced by distension measurement or is it just another toy?
  - Pressure/cross sectional area relationship to opening patterns and luminal muscle relaxation.
  - Basic mechanical responses to using measurements of intraluminal pressure concurrent with luminal cross section (impedance) and wall thickness (ultrasound).
  - Pressure - cross sectional area relationship to opening patterns and relaxation.
  - Clinically useful knowledge obtained by challenging the oesophageal body, UES, and EGJ.
  - Application of distension techniques to diagnosis, treatment or monitoring of common oesophageal diseases.
- Biomechanical properties, tissue remodeling, constitutive modeling and finite element modeling of esophageal function and dysfunction. **Jingbo Zhao & Donghua Liao (Denmark)**

**Part 1, Jingbo Zhao (Denmark)**

  - Biomechanical properties, tissue remodeling, constitutive modeling and finite element modeling of esophageal function and dysfunction.
  - Esophageal remodeling induced by growing, aging, and diseases in animal studies.
  - Esophageal remodeling in relation to age, systemic sclerosis, diabetes, reflux and inflammation in human studies.
  - Esophageal smooth muscle function evaluation using length-tension (stress-strain) and loop curves
  - MR tractography of esophageal structures.

**Part 2, Donghua Liao (Denmark)**

  - Constitutive modeling of the esophagus. – Medical image based geometrical modeling of the esophagus.
  - Towards “Virtual Esophagus” through finite element modeling.
- Accurate *in vivo* measurement of luminal muscle stiffness for clinical application and the role of flaccid sphincteric muscle in chronic reflux. **James G. Brasseur (USA)**
  - Elastic modulus: technical definition, interpretation as stiffness, relationship compliance.
  - The “Laplace law” and the “standard” method for measuring stiffness of luminal wall muscle and why the current method is incorrect.
  - A new method to estimate a true measure of elastic modulus.
  - The role liquid in the gastro-esophageal segment in the potential for reflux, and physio-mechanical consequences reduced sphincteric muscle stiffness to chronic reflux.



## Session 8

Tuesday, September 1  
10:30 am – 12:30 pm

■ Room: Genevoix

### Functional technologies

Chairs: **Frank Zerbib (France)** – **Serhat Bor (Turkey)**

Panel: **Valmik Bhargava (USA)** – **Jürgen Hochberger (Germany-France)**

– **Johannes Lenglinger (Austria)**

Industry panel:

- FLIP procedure. **Crospon**
- SmartPill – Barrx™RFA – GI functional diagnostic Portfolio. **Medtronic – Covidien**
- HRM – Impedance – pH metry. **Sandhill**
- Endoscopic surgery. **Ethicon**

- 
- Selected firms specializing in the field of functional technologies will be represented on stage.
  - Facing them will be clinicians, each one renowned at the highest international level.
  - First, a presentation by each representative of a firm, putting forth the qualities and nature of its devices, plus the future prospects its ongoing research leads to hope for in this domain.
    - Then, an exchange,
      - with the panel of clinicians, in the format of several, carefully drawn up questions approved beforehand by the firm,
      - with the public of potential users, made up of practitioners and young investigators,
    - completed after the congress by a document written by the panel, sent to the firms for approval, and made widely accessible on the IT media.

This interactive exchange will by no means represent a competition between firms but, on the contrary, an opportunity to put forth the advantages of their devices.

In addition, this session will take place in the framework of a moral charter which will guarantee that no firm participating will find itself facing competition from another Industry representative contributing to the exchange.

- *Each Industry representative is to clearly and objectively put forth those products suited to the debate in such a way as to enlighten the public on the current and future prospects of his/her company.*
- *Each Industry representative will be requested to address questions following the presentation in a manner so as to exclude any negative reference to his/her competitor.*





# Session 9

Tuesday, September 1

10:30 am – 12:30 pm

■ Room: Bosio

## Bariatric surgery and benign esophageal disease

Chairs: **David Nocca (France)** – **Kevin Reavis (USA)**

Discussant: **Eduardo de Moura (Brazil)**

### The disruption of esophageal motility following bariatric surgery

- Is esophageal function normal in the morbidly obese? **Salvatore Tolone (Italy)**
- What is the impact of lapband on esophageal function? **Marco Anselmino (Italy)**
- What is the effect of gastric bypass on esophageal function? **David Nocca (France)**
- What is the effect of gastric sleeve on esophageal function? **Robert Yates (Seattle)**
- How should iatrogenic achalasia post lapband be treated? **Kevin Reavis (USA)**

### GERD before and after surgery for obesity

- What is the physiologic basis of improved GERD post weight loss? **Shobna Bhatia (India)**
- The role of Radio-frequency in post-bariatric GERD. **Kevin Reavis (USA)**

Lecture: Sleeve gastrectomy + film. **David Nocca (France)**



# Session 10

Tuesday, September 1  
10:30 am – 12:30 pm

■ Room: Poulenc

## Advances in the systemic therapy of advanced esophageal cancer

Chairs: **Michael K. Gibson (USA)** – **Vikash Sewram (South Africa)**

Discussant: **Kulwinder S. Dua (USA)**

### Current status of systemic chemotherapy for esophageal cancer.

- Is optimal therapy 2 or 3 chemotherapy agents? **David H. Ilson (USA)**
- What is the role of Irinotecan in first and second line therapy? **Michael K. Gibson (USA)**
- Is immunotherapy a viable maintenance strategy for metastatic disease? **David H. Ilson (USA)**
- Are immunotherapy agents ready for large scale randomized trials? **Michael K. Gibson (USA)**
- The role of BMP4 and growth factors in chemo-resistance of esophageal cancers.  
**Silvia Calpe (Netherlands)**
- Does multi-modality therapy improve survival in cT2 esophageal carcinoma? **Erwin Rieder (Austria)**

### Targeted agents and genomic profiling in advanced esophageal cancer.

- Personalized and targeted therapy of esophageal squamous cell cancer? **Xiao (Luke) Chen (USA)**
- Is there a role for genomic profiling of esophageal and GE junction cancer? **Michael K. Gibson (USA)**
- How does genomic profiling correlate with tumor location and histologic subtype?  
**Iqbal Parker (South Africa)**
- What is the status of HER2 targeted drug therapy in gastro-esophageal cancer?  
**Vikash Sewram (South Africa)**
- What is the future of anti angiogenic therapy in esophageal cancer? **David H. Ilson (USA)**
- Are liquid biopsies the future in esophageal cancer? **Daniela Kandioler (Austria)**

### Palliation of dysphagia: chemotherapy, stenting, or radiotherapy?

- What is the role of chemotherapy in dysphagia palliation? **David H. Ilson (USA)**
- What is the role of radiotherapy in dysphagia palliation? **Michael K. Gibson (USA)**
- What is the role of stenting in dysphagia palliation? **Kulwinder S. Dua (USA)**

# Session 11 / 12

Tuesday, September 1

2:00 – 4:00 pm

■ Room: Van Dongen

## “Imagine”

Advanced luminal imaging

Imaging esophageal structure and function

Chairs: **Yong-Chan Lee (Korea)** – **Thomas D. Wang (USA)**

Discussant: **Kulwinder S. Dua (USA)** – **George Triadafilopoulos (USA)**

- How we adopt advanced luminal imaging techniques to guide therapeutic endoscopy?  
**Junichi Akiyama (Japan)**
- Chromoendoscopy with HD white light imaging. **Pises Pisesongsa (Thailand)**
- Cytosponge and pillcam. **Ki Baik Hahm (Korea)**
- Confocal laser endomicroscopy. **Joo Young Cho (Korea)**
- *In vivo* molecular imaging. **Thomas D. Wang (USA)**
- What impact will esophageal impedance testing have on clinical outcomes in GERD?  
**Roger P. Tatum (USA)**
- Can catheter-based high-frequency intraluminal ultrasound imaging of the muscle layers of the esophagus assess the extent of achalasia, diffuse esophageal spasm, and nutcracker esophagus?  
**Cecilio Santander Vaquero (Spain)**
- How can impedance planimetry be used to assess the function of the upper esophageal sphincter?  
**John O’Dea (Ireland)**
- How does the microbiome affect inflammatory changes in the epithelium of the esophagus that may increase risk for GERD and EAC? **Paolo Bechi (Italy)**

# Session 13

Tuesday, September 1

2:00 – 4:00 pm

■ Room: Genevoix

## Provocative testing and its future

Chairs: **Virender Sharma (USA)** – **Edy Soffer (USA)**

Discussant: **Roberto Penagini (Italy)**

- Which provocatory balloon distension test to use in esophagus: multimodal probe, impedance planimetry, functional luminal imaging probe (FLIP), barostat or the hydrostat?  
**Hans Gregersen (Denmark, China)**
- Does multimodal provocatory testing contribute clinically and scientifically relevant information?  
**Hans Gregersen (Denmark, China)**
- What is the usefulness of multiple rapid swallowing using water drinking test as provocative testing during high resolution manometry? **Roberto Penagini (Italy)**
- What is the usefulness of bolus temperature during water drinking test as provocative testing during high resolution manometry? **Roberto Penagini (Italy)**
- What is the impact of provocative testing on esophageal sensory pathways?  
**Anisa Shaker (USA)**
- Does changing bolus consistency provide added information on esophageal symptoms and contractile pattern? **Edy Soffer (USA)**
- How helpful is esophageal acid perfusion as a provocative test? **Edy Soffer (USA)**
- Balloon distension /electrical stimulation and fMRI. **Adam D. Farmer (UK)**
- What has esophageal balloon distension taught us about central mechanisms of visceral pain?  
**Adam D. Farmer (UK)**



# Session 14

Tuesday, September 1

2:00 – 4:00 pm

■ Room: Bosio

## Sensory abnormalities in esophageal diseases

Chairs: **Asbjørn M. Drewes (Denmark)** – **Serhat Bor (Turkey)**

Discussant: **Christina Brock (Denmark)**

- How is the sensory innervation of the esophagus? **Christina Brock (Denmark)**
- What is the relation between the autonomic nervous systems and esophageal symptoms?  
**Adam D. Farmer (UK)**
- How can esophageal pain be assessed in the experimental settings?  
**Asbjørn M. Drewes (Denmark)**
- What are the quantitative and qualitative characteristics of esophageal mechanosensation?  
**Hans Gregersen (Denmark, China)**
- Can sensory abnormalities in the esophagus be reflected in HRM? **C. Prakash Gyawali (USA)**
- How can assessment of sphincter function be used to unravel esophageal symptoms?  
**Barry P. McMahon (Ireland)**
- Does multimodal assessment of pain reflect the symptoms in Barretts esophagus?  
**Christian Lottrup (Denmark)**
- How can imaging methods be used to understand esophageal pain syndromes?  
**Jens Frøkjær (Denmark)**
- What are the sensory characteristics for patients with functional esophageal pain?  
**Dag Arne Hoff (Norway)**
- How can drugs affect sensory symptoms from the esophagus? **Carmelo Scarpignato (Italy)**
- Can modulation of the parasympathetic nervous system be used to treat esophageal hypersensitivity? **Anisa Shaker (USA)**
- What is the role of dilated intercellular spaces? **Serhat Bor (Turkey)**
- Is there any difference between distal and proximal esophagus for innervation and sensitivity?  
**Edoardo Savarino (Italy)**
- Bernstein test: why never work? **Luis Novais (Spain)**
- What is the role of psychiatric medications in esophageal pain? **Ram Dickman (Israel)**

Sessions 15 et 17 are designed to be an introduction to endoscopic surgery of the esophagus and includes an introduction to the equipment and steps to complete a successful POEM, POET, and ESD.

Learners will have an opportunity to perform these procedures in a simulated environment with supervision by experienced endoscopic surgeons.



## Session 15

Tuesday, September 1  
2:00 – 4:00 pm

■ Room: Poulenc

### Hands on simulation (1)

Chair: **Michael B. Ujiki (USA)**

Faculty: **Dean Mikami (USA) – Kenric Murayama (USA) – Lee L. Swanström (USA-France)**



## Session 17

Tuesday, September 1  
4:30 – 6:30 pm

■ Room: Poulenc

### Hands on simulation (2)

Chair: **Michael B. Ujiki (USA)**

Faculty: **Dean Mikami (USA) – Kenric Murayama (USA)**



# Session 16

Tuesday, September 1  
4:30 – 6:30 pm

Room: Camille Blanc

## The Great Exchange Financing Research and Education

On this occasion, world leading clinicians and researchers, reflecting the original multi-disciplinarity of OESO, will meet representatives from the Industry.

This exchange will enable the companies to interact directly with thought leaders, and to present their perspectives on a variety of relevant topics relating to research in their field.

Chairs: **Alain Bernard** (France) – **George Triadafilopoulos** (USA) – **You-Lin Qiao** (China)

Panel: **Denis Collet** (France) – **Hans Gregersen** (Denmark-China) – **Sacha Loiseau** (France)  
– **Jean Nehme** (UK) – **David Nocca** (France) – **Patrick Rampal** (Monaco) – **Gilles Pagès** (Monaco)  
– **Lee L. Swanström** (USA-France) – **Frank Zerbib** (France) – **David Znaty** (France)

- At a distance (Wharton Business School in Philadelphia): **John Kimberly** (USA)
- Key Note: **José María Fernández Rodríguez** (Spain)

Industry Panel: **Boston Scientific** – **Covidien** – **Crospon** – **Mauna Kea** – **Mederi** – **Olympus**  
– **Sandhill**

The topics, to be discussed in an informal manner between the firms and the panel, could deal with various domains, such as: Autonomy of Universities – Academic research – Private research – Bio-medical innovation – Medtech and startups – Funding, Structuring, and Investor perspectives – Conflicts of interest.

Such an interactive exchange among the Industry, the panel above, and the audience made up of practitioners and young investigators, will by no means represent a competition between firms but, in the contrary, an opportunity to go further in the evaluation of the problems encountered in these various domains.

- After the congress, a document will be written by the panel, sent to the firms for approval, and made widely accessible on the IT media.



# Session 18

Wednesday, September 2  
8:00 am – 10:00 am

Room: Camille Blanc

## The OESO White Paper

Chairs: **Fabien Calvo (France)** – **David Ilson (USA)** – **You-Lin Qiao (China)**  
– **Mauno Vihinen (Sweden)**

+ Panel

*This session is a much awaited extension of the wealth of information gathered at the 2013 Congress of OESO in Paris, under the theme of cancers of the esophagus.*

*The objective of the two hours is to present a translational view of the potentials existing today in the realms of epidemiology, genetics, epigenetics, and new investigations, in light of the technological advancements of recent decades now made available to clinicians and researchers.*

*OESO, in essence, a multi-disciplinary body, brings together renowned specialists from all horizons. Each speaker will offer a part of his/her competence to contribute to making the session an optimistic opening onto the future.*

- The role of transcription factors in malignant transformation of basal progenitor cells.  
**Xiao Luke Chen (USA)**
- Role of hERG1 K<sup>+</sup> channels in Barrett's esophagus and esophageal adenocarcinoma progression.  
**Annarosa Arcangeli (Italy)**
- Expression of hER1 protein in Barrett's esophagus. **Vikash Sewram (South Africa)**
- Microbiome in Barrett's esophagus. **Paolo Bechi (Italy)**
- Swallowable encapsulated sponge for early detection of esophageal adenocarcinoma using targeted sequencing. **Irina Kalatskaya (Canada)**
- Role of new specific anti BMP4 antibodies as a new therapeutic approach in esophageal cancer.  
**Silvia Calpe (Netherlands)**
- Role of Epigenetics in response to treatments. **Pauline Lancia (France)**
- Interaction between p53 and response to chemotherapy. **Daniela Kandioler (Austria)**
- Circulating tumor cells, circulating tumor DNA, and liquid biopsies.  
**Georges Uzan (France) – David H. Ilson (USA)**
- Endomicroscopy – relevant information, better therapeutic decision. **Sacha Loiseau (France)**
- Augmented 3D reality in endoscopic surgery. **Lee L. Swanström (USA-France)**
- Regulatory genetic variants involved in medicine. **Iqbal Parker (South Africa)**
- Genomics – Mutations in pre-invasive stages of carcinogenesis. **Asad Umar (USA)**
- The HVP – OESO data base. **Mauno Vihinen (Sweden)**
- The Global Alliance – Objectives of the International Consortium. **Fabien Calvo (France)**

Panel Discussion



# Session 19

Wednesday, September 2

8:00 am – 10:00 am

Room: Genevoix

## Oral Presentations: Endoscopy (O35-O46)

Chairs: **Myung-Ki Baeg (Korea)** – **Myung-Gyu Choi (Korea)**

**O35 [322]** Computer-aided diagnostic system for the real-time pathology prediction and clinical decision support during narrow band imaging magnification endoscopy in stomach.

Roman Kuvæev<sup>1</sup>; Sergey Kashin<sup>1</sup>; Evgeny Nikonov<sup>2</sup>; Ekaterina Krainova<sup>1</sup>; Herbert Edelsbrunner<sup>3</sup>; Olga Dunaeva<sup>4</sup>; Daria Malkova<sup>4</sup>; Anton Lukyanov<sup>4</sup>; Viktor Kapranov<sup>4</sup>; Alexander Rusakov<sup>4</sup>

<sup>1</sup> Yaroslavl Regional Cancer Hospital, Yaroslavl, Russia; <sup>2</sup> Moscow Healthcare Department, Moscow, Russia; <sup>3</sup> Institute of Science and Technology, Klosterneuburg, Austria; <sup>4</sup> P.G. Demidov Yaroslavl State University, Yaroslavl, Russia

**O36 [283]** Missing oesophageal cancer upon endoscopy in a prevalent population: a retrospective cohort.

Vivien Wai-Yin Wong<sup>1</sup>

<sup>1</sup> The Chinese University of Hong Kong, Hong Kong

**O37 [130]** Predictors of partial vs. complete symptomatic response in patients with esophageal achalasia treated by per oral endoscopic myotomy (POEM).

Zuzana Vacková<sup>1</sup>; Hana Švecová<sup>1</sup>; Petr Štirand<sup>1</sup>; Julius Spicak<sup>1</sup>; Jana Krajciová<sup>1</sup>; Lucie Fremundová<sup>2</sup>; Pavla Loudová<sup>3</sup>; Jan Martinek<sup>1</sup>

<sup>1</sup> IKEM, Department of Hepatogastroenterology, Prague, Czech Rep.; <sup>2</sup> Department of Internal Medicine, University Hospital Plzeň, Plzeň, Czech Rep.;

<sup>3</sup> Department of Gastroenterology, Hospital Kolin, Kolin, Czech Rep.

**O38 [62]** The imaging diagnosis and treatment with combined-type Y-shaped covered metallic stents for thoracostomach-airway fistulas.

Li Teng-Fei<sup>1</sup>; Han Xin-Wei<sup>1</sup>; Lu Hui-Bin<sup>1</sup>; Ren Ke-Wei<sup>1</sup>; Wu Gang<sup>1</sup>; Zhang Quan-Hui<sup>1</sup>; Li Zong-Ming<sup>1</sup>

<sup>1</sup> The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China

**O39 [156]** Per oral endoscopic myotomy: a prospective evaluation of 86 consecutive cases.

Hana Švecová<sup>1</sup>; Julius Špičák<sup>1</sup>; Petr Štirand<sup>1</sup>; Zuzana Vacková<sup>1</sup>; Eva Kieslichová<sup>2</sup>; Radek Doležel<sup>3</sup>; Radim Janoušek<sup>4</sup>; Alexandr Pazdro<sup>5</sup>; Thomas Rösch<sup>6</sup>; Jan Martinek<sup>1</sup>

<sup>1</sup> Department of Hepatogastroenterology, IKEM, Prague, Czech Rep.; <sup>2</sup> Department of Anesthesiology and Intensive Care, IKEM, Prague, Czech Rep.;

<sup>3</sup> Department of Surgery, Military University Hospital, Prague, Czech Rep.; <sup>4</sup> Department of Radiology, IKEM, Prague, Czech Rep.; <sup>5</sup> Department of Surgery, University Hospital Motol, Prague, Czech Rep.; <sup>6</sup> Department of Interdisciplinary Endoscopy, University Hospital Hamburg-Eppendorf, Hamburg, Germany

**O40 [91]** Endoscopic submucosal dissection versus transthoracic esophagectomy for superficial esophageal squamous cell carcinoma.

Kongjia Luo<sup>1,2,3,4</sup>; Yi Hu<sup>1,2,3,4</sup>; Tiehua Rong<sup>1,2,3,4</sup>; Jianhua Fu<sup>1,2,3,4</sup>

<sup>1</sup> Sun Yat-Sen University Cancer Center, Guangzhou, China; <sup>2</sup> Guangdong Esophageal Cancer Institute, Guangzhou, China; <sup>3</sup> State Key Laboratory of Oncology in South China, Guangzhou, China; <sup>4</sup> Collaborative Innovation Center for Cancer Medicine, Guangzhou, China

**O41 [153]** First experiences of confocal laser endomicroscopy (pCLE-Cellvizio) in the diagnosis of gastrointestinal lesions.

Marek Kollar<sup>1</sup>; Jana Malusková<sup>1</sup>; Eva Sticova<sup>1</sup>; Eva Honsova<sup>1</sup>; Jiri Fronek<sup>2</sup>; Martin Oliverius<sup>2</sup>; Julius Spicak<sup>3</sup>; Pavel Trunecka<sup>4</sup>;

Jan Martinek<sup>3</sup>

<sup>1</sup> Department of Pathology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.; <sup>2</sup> Department of Transplant Surgery, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.;

<sup>3</sup> Department of Hepatogastroenterology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.; <sup>4</sup> Transplantcenter, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.

**O42 [152]** Endoscopy vs. surgery for high-risk early esophageal cancer.

Marek Kollar<sup>1</sup>; Jana Krajciová<sup>1</sup>; Jana Malusková<sup>1</sup>; Eva Honsova<sup>1</sup>; Alexandr Pazdro<sup>3</sup>; Tomas Harustiak<sup>3</sup>; Zuzana Vackova<sup>2</sup>; Julius Spicak<sup>2</sup>;

Jan Martinek<sup>2</sup>

<sup>1</sup> Department of Pathology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.; <sup>2</sup> Department of Hepatogastroenterology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.;

<sup>3</sup> Third Department of Surgery, <sup>1st</sup> Faculty of Medicine, Charles University in Prague and Motol University Hospital, Prague, Czech Rep.

**O43 [300]** Successful endoscopic scar excision and over-the-scope-clip closure for a chronic brocho-esophageal fistula.

Juergen Hochberger<sup>1</sup>; Edris WEDI<sup>1</sup>

<sup>1</sup> Strasbourg Univ. Hospitals, NHC and IHU, Strasbourg, France

**O44 [294]** Limited oral high-dose steroid treatment and temporary stent implantation are effective for stricture prevention after wide-spread or tubular esd for early esophageal cancer.

Juergen Hochberger<sup>1,2</sup>; Elena Kruse<sup>2</sup>; Peter Koehler<sup>2</sup>; Adrian Sportes<sup>1</sup>; Edris Wedi<sup>1,2</sup>

<sup>1</sup> Strasbourg Univ. Hospitals, NHC and IHU, Strasbourg, France; <sup>2</sup> St. Bernward Hospital, Academic Teaching Hospital of the Univ. of Goettingen,

Hildesheim, Germany; <sup>3</sup> Friedrich-Loeffler-Institute, Mariensee, Germany

**O45 [205]** Successful mucosal transplantation from stomach to esophagus for stricture prevention after widespread circular endoscopic submucosal dissection (esd) for early esophageal squamous cell carcinoma.

Juergen Hochberger<sup>1,2</sup>; Edris Wedi<sup>1,3</sup>; Peter Koehler<sup>4</sup>; Andreas Hilficker<sup>2</sup>; Heiner Niemann<sup>4</sup>; Elena Kruse<sup>3</sup>; Silvia Gluer<sup>3</sup>

<sup>1</sup> Strasbourg Univ. Hospitals, NHC and IHU, Strasbourg, France; <sup>2</sup> University of Hannover, Institute for Artificial Organs LEBAO, Rebirth Cluster of Excellence,

Hannover, Germany; <sup>3</sup> St. Bernward Hospital, Academic Teaching Hospital of the Univ. of Goettingen, Hildesheim, Germany; <sup>4</sup> Friedrich-Loeffler-Institute, Mariensee, Germany

**O46 [139]** Gentamicin submucosal lavage during per oral endoscopic myotomy (POEM): Is it necessary?

Julia Bayer<sup>1</sup>; Zuzana Vacková<sup>1</sup>; Hana Švecová<sup>1</sup>; Jan Martinek<sup>1</sup>

<sup>1</sup> IKEM, Prague, Czech Rep.

# Session 20

Wednesday, September 2  
8:00 am – 10:00 am

■ Room: Poulenc

## The pediatric esophagus across the age spectrum Problems related to esophageal atresia (EA)

Chairs: **Olivier Reinberg (Switzerland)** – **Frédéric Gottrand (France)**

Discussant: **Philippe Montupet (France)**

### Prenatal

- Why do we have an EA?
  - Embryology of the esophagus. **Arnaud Bonnard (France)**
- Experimental models of EA? **Benoit Parmentier (France)**

### Surgical procedures

- EA cure by thoracoscopy in neonates since 2000:
  - What are the benefits today? **Olivier Reinberg (Switzerland)**
- The problems of long gaps:
  - How to manage them? **Benoit Parmentier (France)**
- Esophageal replacements for EA? **Olivier Reinberg (Switzerland)**
- How to train for EA cure by thoracoscopy in neonates
  - Thoracoscopic simulation. **Laurent Fourcade (France)**
- Robotic surgery for EA in neonates: is it possible? **Laurent Fourcade (France)**
- What are the other congenital benign lesions of the pediatric esophagus?  
**Jean Stéphane Valla (France)**

### Functional reconstructed esophagus

- How do live children with an EA? **Frédéric Gottrand (France)**
  - Growth post EA: normal?
- Dysmotility of the esophagus: new concepts? **Olivier Reinberg (Switzerland)**
- Cajal cells of the esophagus: where are we? **Piergiorgio Gamba (Italy)**
- Anti-reflux procedures post EA: problems? **Jean-Yves Kurzenne (France)**

### Adults who survived EA

- Complaints of adults who survived EA. **Risto Rintala (Finland)**
- Barrett post EA? Is there an increased risk? **Risto Rintala (Finland)**

# Session 21

Wednesday, September 2

10:30 am – 12:30 pm

Room: Camille Blanc

## Form and function or function and form

Remodeling of form and function of the esophagus in health and disease.

Chairs: **Richard W. McCallum (USA)** – **Jerzy Sarosiek (USA)**

Discussant: **Hans Gregersen (Denmark-China)**

- Does structure and function go hand-in-hand during growth and aging? **Liao Donghua (Denmark)**
- Can esophageal distension be measured from intraluminal impedance measurements?  
**Valmik Bhargava (USA)**
- How come that reflux disease is more common in elderly? **Richard W. McCallum (USA)**
- Diabetes induces profound changes in stomach and intestines but does diabetes also affect the esophagus? **Jingbo Zhao (Denmark)**
- What leads to remodeling changes in esophageal muscle stiffness and thickness and how do these changes impact circular and longitudinal muscle function in esophageal peristalsis?  
**James G. Brasseur (USA)**
- Are there any changes in form and function of the esophagus in functional chest pain or functional heartburn? **Christian Lottrup (Denmark)**
- Do endoscopic therapies and surgical intervention remodel the structure and function of the remaining esophagus. **Barry P. McMahon (Ireland)**
- What structural and functional remodeling take place in achalasia? **Larry S. Miller (USA)**
- What structural and functional remodeling take place in systemic sclerosis? **Hans Gregersen (Denmark-China)**
- Does the healing of structural changes within the esophageal mucosa in patients with reflux esophagitis (RE) improve: a) the secretory function of the esophageal submucosal mucous glands? b) the secretory function of salivary glands driven by esophago-salivary reflex? **Jerzy Sarosiek (USA)**

# Session 22

Wednesday, September 2

10:30 am – 12:30 pm

Room: Van Dongen

## Immunomodulators of esophageal mucosal damage

Chairs: **X. Luke Chen (USA)** – **Tong Chen (USA)**

- Immunomodulators from stromal cells. **Anisa Shaker (USA)**
- NFκB in gastroesophageal reflux disease. **Yu Fang (China)**
- IL4 in Barrett's esophagus. **T. Oshima (Japan)**
- Adiponectin in Barrett's esophagus. **Cheng Feng (China)**
- Effect of Omeprazole on Eotaxin 3. **Edaire Cheng (USA)**
- Modulation of immunomodulators by chemopreventive agents. **Tong Chen (USA)**

# Session 23

Wednesday, September 2

2:00 – 4:00 pm

■ Room: Genevoix

## Interactions heart-esophagus

Friends or foes?

Chairs: **Stephen J. Sontag (USA)** – **Richard W. McCallum (USA)**

Discussant: **Ram Dickman (Israel)**

- Is there sound evidence to suggest that the esophagus IS a factor in NCCP?  
**C. Prakash Gyawali (USA)**
- Is there sound evidence to suggest that the esophagus is NOT a factor in NCCP?  
**Stephen J. Sontag (USA)**
- What is the potential course of a patient with cardiac chest pain that is misdiagnosed as NCCP?  
**Richard W. McCallum (USA)**
- How do you manage a patient with severe NCCP unresponsive to every conceivable therapy?  
**Ellen Stein (USA)**
- What is the long-term natural history of 100 patients with unequivocal NCCP?  
**Richard W. McCallum (USA)**
- Are there unconventional theories that might explain the entity known as NCCP?  
**Larry S. Miller (USA)**
- The long-term outcome of a VA population with angiogram-negative NCCP referred for EGD.  
**Stephen J. Sontag (USA)**

**Discussant** – with critique of the presentations. **Ram Dickman (Israel)**

# Session 24

Wednesday, September 2

10:30 am – 12:30 pm

■ Room: Bosio

## GERD and malignancy: Treatment options and outcomes

Chair: **Kenric M. Murayama (USA)** Discussant: **Michael B. Ujiki (USA)**

- New treatment options for GERD. **Shanu Kothari (USA)** 10 min.
  - Discuss treatment options beyond fundoplication.
- Diagnosing the failed fundoplication. **Michael B. Ujiki (USA)** 10 min.
- *Debate/discussion – Fundoplication vs other therapies for GERD.*  
**Michael B. Ujiki (USA) – Shanu Kothari (USA)** 20 min
- GERD to esophageal cancer: review. **Edgar Figueredo (USA)** 20 min.
- From Barrett's esophagus to invasive carcinoma. **Cathy S. Streutker (Canada)** 10 min
- New diagnostic modalities for Barrett's Esophagus. **Dean Mikami (USA)** 10 min
  - Discuss newer diagnostic modalities for Barrett's (Confocal microscopy, Cytosponge, Pillcam, etc).
- Endoscopic therapies for Barrett's Esophagus. **Michael B. Ujiki (USA)** 10 min
- Minimally Invasive Esophagectomy. **Kenric M. Murayama (USA)** 10 min
- *Debate/Discussion – High grade dysplasia: endoscopic therapy vs esophagectomy.*  
**Michael B. Ujiki (USA) – Kenric M. Murayama (USA)** 30 min

# Session 25

Wednesday, September 2

10:30 am – 12:30 pm

■ Room: Poulenc

## Pediatric Esophagus

Chair: **Rachel Rosen (USA)**

Discussant: **Taher Omari (Australia)**

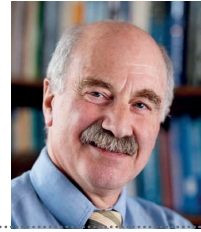
- What is the role of high resolution esophageal manometry in children? **Samuel Nurko (USA)**
- Testing oro-pharyngeal function with HRIM. **Taher Omari (Australia)**
- What is the role of the gastroenterologist in the evaluation and management of children with fundoplication? **Hayat Mousa (USA)**
- How can we balance the benefits and risks of reflux therapies? **Benamin D. Gold (USA)**
- Barrett's Esophagus: Is there a concern in the pediatric population. **Frédéric Gottrand (France)**
- Have we moved beyond pH probe testing? Novel diagnostic tools to diagnose extra-esophageal reflux.  
**Rachel Rosen (USA)**
  - *Discussion on difficult pediatrics cases with the audience.*

## Invited Lecture

Wednesday, September 2

2:00 – 3:00 pm

Room: Camille Blanc



Olivier Reinberg

- Esophageal replacements in children. **Olivier Reinberg (Switzerland)**
- Introduction. **Philippe Montupet (France)**

Olivier Reinberg is Professor of Pediatric Surgery at the Pediatric Surgical Department of the University Hospital of Lausanne (CHUV), Switzerland.

Specialist in pediatric surgery of the FMH (Federatio Medicorum Helvetiae), certified by the European Board of Paediatric Surgery (EBPS), he is a pioneer in the development of the techniques of minimally invasive surgery and world renowned for his work on esophageal replacements in children.

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## Invited Lecture

Wednesday, September 2

3:00 – 4:00 pm

Room: Camille Blanc



Peter J. Hunter

- The virtual Physiological Human Project. Methodology and status. **Peter J. Hunter (New Zealand)**
- Introduction. **Hans Gregersen (Denmark-China)**

Peter J. Hunter is a well-known scientist in the field of mathematical modeling of organs and played a pivotal role in the Virtual Physiological Human (VPH) project, The Physiome.

The project aims to use computational methods for understanding the integrated physiological function of the body in terms of the structure and function of tissues, cells and proteins.

Professor Hunter is Director of Auckland Bioengineering Institute in New Zealand.



# Symposium

Wednesday, September 2  
8:00 – 10:00 am

■ Room: Van Dongen

## Laryngo-Pharyngeal Reflux: treatment beyond PPIs

Chairs: **Carmelo Scarpignato (Italy)** – **Mark Watson (UK)**

- Laryngo-pharyngeal Reflux: How to diagnose this Mimicry. **Michael Vaezi (USA)**
- Laryngo-pharyngeal Reflux: Unmet clinical needs. **Carmelo Scarpignato (Italy)**
- Efficacy of a novel “UES Assist Device” in management of supra-esophageal complications of reflux disease. **Reza Shaker (USA)**



# Symposium

Wednesday, September 2  
2:00 – 4:00 pm

■ Room: Van Dongen

## The use of non-ablative radiofrequency energy (Stretta) for the treatment of GERD

Changing the treatment algorithm for multiple patient profiles

Chair: **George Triadafilopoulos (USA)**

- Introduction: **George Triadafilopoulos (USA)**
  - Data Summary
  - Facts and myths about Stretta
  - Today's Stretta therapy
    - What we know now: How it works
    - Safety profile
- Where Stretta fits as a treatment option to relieve GERD in the obese patient, patients post-bariatric procedures and post fundoplication. **Kevin Reavis (USA)**
- Where Stretta fits as a treatment option to relieve refractory GERD and respiratory symptoms of GERD LPR). **Serhat Bor (Turkey)**

*Hands-on Session with Demo Stretta model*

## Session 26

Wednesday, September 2  
4:15 – 5:30 pm

■ Room: Camille Blanc

Mini Forum Physiology  
Expert – Young Investigator

**Hans Gregersen** (Denmark-China)  
**Valmik Bhargava** (USA)

## Session 27

Wednesday, September 2  
4:15 – 5:30 pm

■ Room: Van Dongen

Mini Forum Endoscopy  
– Endoscopic surgery  
Expert – Young Investigator

**Jürgen Höchberger** (Germany-France)  
**Junichi Akiyama** (Japan)

## Session 28

Wednesday, September 2  
4:15 – 5:30 pm

■ Room: Genevoix

Mini Forum Surgery  
Expert – Young Investigator

**Lee L. Swanström** (USA-France)  
**Salvatore Tolone** (Italy)

## Session 29

Wednesday, September 2  
4:15 – 5:30 pm

■ Room: Bosio

Mini Forum Pathology  
Expert – Young Investigator

**Henry D. Appelman** (USA)  
**Maria Westerhoff** (USA)  
**Ilke Nalbantoglu** (USA)

## Session 30

Wednesday, September 2  
4:15 – 5:30 pm

■ Room: Poulenc

Mini Forum Cancer  
Expert – Young Investigator

**Daniela Kandioler** (Germany)  
**Vivien Wong** (China)





# Session 31

Thursday, September 3

8:00 – 10:00 am

Room: Camille Blanc

## Allergies on the run

### Eosinophilic esophagitis (EoE)

Chairs: **Mirna Chehade (USA)** – **Fouad Moawad (USA)**

Discussant: **Samuel Nurko (USA)**

- Is it possible to miss EoE on biopsy? If so why does this happen? **Hala El-Zimaity (Canada)**
- Are there any histopathologic features in EoE that can distinguish it from GERD?  
**Heather Dawson (Switzerland)**
- What is the pathophysiology of PPI- responsiveness? **Roberto Penagini (Italy)**
- Is it possible to predict PPI-REE from steroid responsive EoE? **Sahar Al-Haddad (Canada)**
- Is EoE the same disease or different between children and adults? **Mirna Chehade (USA)**
- What causes the endoscopic rings and furrows in EoE from a pathologist's viewpoint?  
**Andrew M. Bellizzi (USA)**
- What causes esophageal remodeling from an endoscopist's viewpoint?  
**Alain Schoepfer (Switzerland)**
- What causes dysphagia in EoE? **Edaire Cheng (USA)**
- How do you measure EoE activity? **Eketerina Safroneeva (Switzerland)**
- What causes lamina propria fibrosis in EoE? **Maha Guindi (USA)**
- What treatment endpoints should be used in EoE? **Alain Schoepfer (Switzerland)**
- How effective is dietary treatment in EoE? **Mirna Chehade (USA)**
- How effective are topical steroids in EoE? **Fouad J. Moawad (USA)**
- When is the role of dilation in EoE? **Fouad J. Moawad (Washington)**
- What are the emerging treatment options in EoE? **Edaire Cheng (USA)**

# Session 32

Thursday, September 3  
8:00 – 10:00 am

■ Room: Van Dongen

## Follow the swallow

Chairs: **Pere Clave (Spain)** – **Larry S. Miller (USA)**

Discussant: **Laia Rofes (Spain)**

### Oropharynx. Oropharyngeal dysphagia

- Is impedance an adjunct to high resolution manometry to investigate symptoms and help clinical management of oropharyngeal dysphagia and aspiration? **Natalie Rommel (Belgium)**
- Videofluoroscopic metrics for diagnosis and rehabilitation of dysphagia. **Pere Clave (Spain)**
- Is impaired brain function the main pathophysiological element responsible for oropharyngeal dysphagia. **Laia Rofes (Spain)**
- Impaired oropharyngeal sensitivity, a target for pharmacological treatment for oropharyngeal dysphagia? **Laia Rofes (Spain)**

*Summary and Discussion. Oropharyngeal dysphagia. 15 Min.*

### Esophageal body. Esophageal dysphagia

- Is there any esophageal pressure-flow marker/s for esophageal dysphagia. **Taher Omari (Australia)**
- What are the causes of esophageal dysphagia in patients with GERD/NERD? **Frank Zerbib (France)**
- What are the causes of esophageal dysphagia in patients with esophageal motility disorders? **Daniel Sifrim (UK)**
- Is there any marker for return of esophageal peristalsis in the esophageal body of patients with achalasia? Do this modify patient's clinical complaints? **Cecilio Santander Vaquero (Spain)**
- What causes dysphagia and other symptoms in patients treated for achalasia? Is there any validated clinical guideline to manage these patients? **Michael F. Vaezi (USA)**

*Summary and conclusions. The mechanism of esophageal dysphagia caused by EB dysfunction. 15 min*

### Lower esophageal sphincter

- What is the role of radiological testing of the lower esophageal sphincter function? **Peter Pokieser (Austria)**
- Any role for impedance planimetry in the clinical evaluation of patients with dysphagia? **Daniel Sifrim (UK)**
- What are the most reliable markers to assess flow across the EGJ by using HRM and impedance? **Taher Omari (Australia)**
- What are the mechanism causing dysphagia in patients with hiatal hernia? **Rami Sweis (UK)**
- Is intrabolus pressure the mechanism causing esophageal dysphagia post-funduplication and gastric banding? **Shobna Bhatia (India)**

*Summary and conclusions. The mechanism of esophageal dysphagia caused by LES dysfunction.*

# Session 33

Thursday, September 3  
8:00 – 10:00 am

■ Room: Genevoix

## Airway reflux

Chairs: **Nikki Johnston (USA)** – **Kenneth W. Altman (USA)** / Discussant: **Jacquie E. Allen (New Zealand)**

- What are the clinical implications of pepsin in airway reflux – biomarker and/or mediator? **Nikki Johnston (USA)**
- Should we and can we specially target pepsin in the treatment of airway reflux? **Nikki Johnston (USA)**
- What is the clinical relevance of laryngoscopy and regional agent delivery techniques on mice and hamsters for inflammation and carcinogenesis? **Frank G. Ondrey (USA)**
- How can rodent models be used to investigate laryngeal carcinogenesis? **Frank G. Ondrey (USA)**
- What is the role of reflux biomarkers in predicting clinical outcomes in children? **Rachel Rosen (USA)**
- Can we model airway inflammation in vitro to gain insight regarding mechanisms of extra-esophageal reflux disease? **Bryan P. Hurley (USA)**
- Is there a laryngeal seromucinous gland response to acidotic environments? **Kenneth W. Altman (USA)**
- What is the consequence of biliary reflux in the larynx? **Kenneth W. Altman (USA)**
- What is the role of reflux/aspiration in chronic cough? **Jacquie E. Allen (New Zealand)**
- What is the evidence for reflux in chronic sinusitis? **John M. DelGaudio (USA)**
- What is the evidence for reflux causing postnasal drip? **John M. DelGaudio (USA)**
- Is magnetic sphincter augmentation an effective therapy for laryngopharyngeal reflux? **Jon C. Gould MD (USA)**

# Session 34

Thursday, September 3  
8:00 – 10:00 am

■ Room: Bosio

## Esophageal motility measurement – A vital tool in esophageal surgery

Chairs: **Roger P. Tatum (USA)** – **C. Prakash Gyawali (USA)** / Discussant: **Robert Yates (USA)**

- Esophageal manometry in the workup for antireflux surgery:
  - perspective of the gastroenterologist. **Sutep Gonlachanvit (Thailand)**
  - and perspective of the surgeon. **Edgar Figueredo (USA)**
- Use of esophageal manometry in the workup of failed fundoplication. **John O. Clarke (USA)**
- High resolution manometry in achalasia—do subtypes make a difference on the outcome of surgery?  
**Roger P. Tatum (USA)**
- Does the presence of esophageal outflow obstruction on HRM impact surgical decision making?  
**John O. Clarke (USA)**
- Clinical use of the Endo-FLIP device—utility in intraoperative assessment of LES myotomy and calibration of antireflux surgery. **Johannes Lenglinger (Austria)**
- Which GERD patients do gastroenterologists wish surgeons would never offer operation?
- New tools for assessment of the EGJ barrier. **C. Prakash Gyawali (USA)**

# Session 35

Thursday, September 3  
8:00 – 10:00 am

■ Room: Poulenc

## Young Investigators Special Session

Evolving concepts and techniques in the management of esophageal diseases

Chair: **Junichi Akiyama (Japan)**

Discussant: **Ellen Stein (USA)**

### DIAGNOSTIC PROCEDURES

#### Endoscopy and other modalities

- Application of disposable ultrathin endoscopy to the esophagus and gastrointestinal system.  
**Myong Ki Baeg (Korea)**
- Should PET be performed routinely or selectively for initial staging of esophageal cancer?  
**Farhood Farjah (USA)**

#### Esophageal function testing

- Differences of manometric values among several high resolution manometry systems.  
**Shiko Kuribayashi (Japan)**
- Is the determination of esophagogastric junction vigor by high resolution manometry a useful metric in the management of GERD patients? **Salvatore Tolone (Italy)**
- Ineffective esophageal peristalsis in patients with and without abnormal esophageal acid exposure.  
**Katerina P. Shetler (USA)**
- Provocative esophageal testing in evaluation of symptoms such as dysphagia, spasm and chest pain. What is the best practice to evoke symptoms during routine and prolonged manometry?  
**Ellen Stein (USA)**
- Impedance-pH testing: a real added value for gastroenterologists and surgeons?  
**Edoardo Savarino (Italy)**
- Distensibility testing of the gastrointestinal tract – Current and future applications.  
**Christian Lottrup (Denmark)**

### TREATMENT OPTIONS

- The role of proton pump inhibitor therapy during endoscopic ablation therapy for Barrett's esophagus.  
**Junichi Akiyama (Japan)**
- The perspective therapeutic approach in treatment of patients with esophageal motility disorders.  
**Elen Valitova (Russia)**
- Results of robot-assisted minimally invasive thoraco-laparoscopic esophagectomy for upper mediastinal esophageal cancer. **Sylvia Van der Horst (Netherlands)**
- Is the Utrecht Pneumonia score a valid method for registering pneumonia after esophagectomy?  
**Teus Weijs (Netherlands)**
- Is anastomotic leakage after esophagectomy for cancer related to neoadjuvant radiation dose to the gastric fundus? **Lucas Goense (Netherlands)**

Key note: Treatment of early esophageal cancer. **Jan Martinek (Czech Republic)**

# Session 36

Thursday, September 3

10:30 am – 12:30 pm

Room: Camille Blanc

## GERD – NERD – NCCP Revived

Chairs: **Young-Tae Bak (Korea)** – **Michio Hongo (Japan)**

Discussant: **Daniel Sifrim (UK)**

- Heartburn perception in GERD: What do we know about it? **Ricard Farré (Belgium)**
- Are inflammatory changes at the cardia in Hp negative patients an indication of GERD?  
**Maria Westerhoff (USA)**
- Is it ever worth taking biopsies to rule out GERD in case of negative endoscopy?  
**Rhonda K. Yantiss (USA)**
- Can mucosal impedance discriminate GERD from non-GERD? **Michael F. Vaezi (USA)**
- Is measuring esophageal dysmotility important in managing GERD? **Edoardo Savarino (Italy)**
- What is the prevalence of functional heartburn in referred patients with suspected GERD?  
**Myung-Gyu Choi (Korea)**
- Is salivary pepsin testing acceptable in diagnosis of GERD? **Daniel Sifrim (UK)**
- Are motility drugs helpful in managing GERD patients? **Joon Seong Lee (Korea)**
- How can we deal with the GERD treatment gap? **George Triadafilopoulos (USA)**
- Can we predict outcomes of GERD patients with esophageal pH-impedance monitoring?  
**C. Prakash Gyawali (USA)**
- Is there association between NERD and obstructive sleep apnea? **Jung-Hwan Oh (Korea)**
- Is there correlation between GERD and atrial fibrillation? **Dong Ho Lee (Korea)**
- Is NCCP a reflux disease or motility disorder? **Jan Martinek (Czech Republic)**
- How close should we look at the hypersensitivity in NCCP? **Poong-Lyul Rhee (Korea)**
- Erroneous diagnosis of GERD in achalasia: what is retention esophagitis? **Hyo jin Park (Korea)**

# Session 37

Thursday, September 3

10:30 am – 12:30 pm

Room: Van Dongen

## Selected Posters

Oral presentations (1)

Chair: **Richard W. McCallum (USA)**

*The content of this session will be determined following the selection of the Jury made during the congress.*

*The presenters will be announced on Wednesday, September 2, at 2:00 pm in the main Hall.*

# Session 38

Thursday, September 3  
10:30 am – 12:30 pm

Room: Genevoix

## The inlet and outlet valves

### Sphincteric issues

Chairs: **James G. Brasseur (USA)** – **Larry S. Miller (USA)**

Discussant: **Ingo F. Herrmann (Germany)**

- How can the “functional luminal imaging probe” (FLIP) technologies be used to provide both fundamental understanding and clinically useful data on the mechanics of the pharyngo-esophageal segment, both in its protective function and especially in relationship to dysfunction? **Julie Regan (Ireland)**
- Selective stimulation of intrinsic excitatory and inhibitory motor pathways in the LOS. **Pere Clave (Spain)**
- What is the detailed physiology of the different muscle groups of the gastro-esophageal segment that contribute to the maintenance of luminal squeeze pressures in the resting state that protect the lower esophagus against reflux? **Michael R. Ruggieri (USA)**
- What are examples of mechanical vs. neurological dysfunctions of the lower esophageal sphincter including the anatomical and/or physiological abnormalities associated with the dysfunction, and diagnostic/therapeutic consequences of the dysfunction? **Jack Wood (USA)**
- How can the “functional luminal imaging probe” (FLIP) technologies be used to provide both fundamental understanding and clinically useful data on the mechanics of the lower esophageal segment (high-pressure zone), both in its protective function and especially in relationship to dysfunction? **Barry P. McMahon (Ireland)**
- How can mathematical and computer modeling studies of the pharyngo-esophageal segment be used to provide both fundamental and clinically useful knowledge on the physiology and function of the upper esophageal sphincter, both in its protective function and especially in relationship to dysfunction? **Rohan B.H. Williams (Singapore)**
- What is the detailed anatomical structure of the various muscle groups spanning the gastro-esophageal segment, the orientation of the muscle fibers, the muscle fiber types and synaptic structure, and the anatomical relationship of these different muscle fiber groups to each other and to the overall structure of the esophagus, gastric cardia, crural and costal diaphragms, phreno-esophageal ligament, and transition in mucosal cell type? **Larry S. Miller (USA)**
- What changes in the anatomic and physiological state of the different muscle groups of the gastro-esophageal segment cause *reductions* in squeeze pressure within the body of the lower esophagus and at the junction between the esophagus and gastric cardia, and how are these related to normal and abnormal function? **Larry S. Miller (USA)**
- How can mathematical and computer modeling studies of the gastro-esophageal segment be used to provide both fundamental and clinically useful knowledge on the physiology and function of the gastro-esophageal segment, both in its protective function and especially in relationship to dysfunction? **James G. Brasseur (USA)**
- How, when and why do axial motions of the intrinsic and extrinsic muscle groups in the gastro-esophageal segment contribute to changes in closure pressure of the lower esophageal sphincter, and what are the sources of these axial motions? **James G. Brasseur (USA)**

# Session 39

Thursday, September 3

10:30 am – 12:30 pm

■ Room: Bosio

## Esophageal Pathology: Pot-pourri

Chair: **Robert H. Riddell (Canada)**

Discussant: **Henry D. Appelman (USA)**

### Esophageal carcinoma

- Why are pyloric gland adenomas found in Barrett's esophagus? Are they a source of non-intestinal carcinomas? **Rhonda Yantiss (USA)**
- Does the phenotype of esophageal adenocarcinomas, intestinal phenotype vs. others, matter? **Dhanpat Jain (USA)**
- What is the recurrence rate for non-dysplastic BE and dysplastic BE post endoscopic resection.
- Does grade matter? **Henry D. Appelman (USA)**
- What are the mechanisms of recurrence post – endoscopic ablation? Are there any data to support them? **Ilke Nalbantoglu (USA)**
- Do buried subsquamous glands pose a risk of metastasis? If so when? **Dhanpat Jain (USA)**
- Does multilayered epithelium ever get mistaken for LGD? If so, why? **Robert H. Riddell (Canada)**
- What stimulates the development of pancreatic metaplasia in the cardia or lower esophagus? Is it really a metaplasia or is it a variant of normal? **Rupert Langer (Switzerland)**
- Is it possible to separate carcinoma cuniculatum from verrucous carcinomas, especially in biopsies? Does it matter? **Monika Tripathi (Canada)**
- Are Merkel cells found in the normal esophagus? If so, are we missing Merkel cell carcinomas and why? **Paul E. Swanson (Canada)**

### Autophagy in esophageal diseases

- What is autophagy and can we/should we detect it in routine pathology specimens? **Rupert Langer (Switzerland)**
- What is the role of autophagy in GERD/inflammatory esophageal disease? **Cathy S. Streutker (Canada)**
- What role may autophagy play in the interaction pro and anti-apoptotic pathways in esophageal malignancies. **Paul E. Swanson (Canada)**

### Sloughing esophagitis

- What are the histological criteria for sloughing esophagitis? What are the minimal criteria on which this diagnosis can be made? **Henry D. Appelman (USA)**
- What are the causes and endoscopic criteria for sloughing esophagitis? **Fouad J. Moawad (USA)**
- How should sloughing esophagitis be reported (assuming the person receiving the report may never have heard of it). **Joanna Gibson (USA)**

### Lymphocytic esophagitis

- What are the known or suspected causes of lymphocytic esophagitis? **Xuchen Zhang (USA)**
- Are there criteria for a diagnosis of lymphocytic esophagitis? Which subsets of cells are involved? **Mikhail Lisovsky (USA)**
- Should lymphocytic esophagitis be reported at all? If so how? **Maria Westerhoff (USA)**



# Session 40

Thursday, September 3

10:30 am – 12:30 pm

■ Room: Poulenc

## Trends in surgery for esophageal carcinoma

Chairs: **Richard van Hillegersberg** (The Netherlands) – **Denis Collet** (France)

Discussant: **Daniela Kandioler** (Austria)

- How do GEJ tumors differ from esophageal and gastric cancer?  
**Richard van Hillegersberg** (The Netherlands)
- What is new in TNM 8 for esophageal and GEJ staging? **Mark J. Krasna** (USA)
- How does lymph node staging affect surgical therapy? **Daniela Kandioler** (Austria)
- Sentinel node biopsy during thoracoscopic esophagectomy for advanced esophageal cancer. **Judith Boone** (Netherlands)
- What are the advantages and appropriate indications for the use of colon interposition following esophagectomy? **Denis Collet** (France)
- Newly identified risk factors for anastomotic leakage following esophagectomy.  
**Lucas Goense** (Netherlands)
- What are the appropriate indications for stent placement to treat anastomotic leak following esophagectomy? **Khean-Lee Goh** (Malaysia)
- Is early feeding after esophagectomy safe? **Misha D.P. Luyer** (Netherlands)
- Surgical endoscopic resection. **Jürgen Hochberger** (Germany-France)
- Is MRI the optimal staging modality after neoadjuvant treatment?  
**Peter S.N. van Rossum** (Netherlands)
- What is the learning curve of Robot assisted esophagectomy for cancer?  
**Jelle P. Ruurda** (Netherlands)
- How can we centralize esophageal surgery in Europe? **Luigi Bonavina** (Italy)
- **Video Presentation:** Totally robotic Ivor-Lewis esophagectomy (*Film*).  
**Tousif Kabir** (Singapore) – **Ishara Madhuka** (Singapore) – **Jaidepraj Rao** (Singapore)



# Session 41

Thursday, September 3  
2:00 – 4:00 pm

Room: Camille Blanc

## Engineering the esophagus

Role of engineers and surgeons

Chairs: **Barry P. McMahon (Ireland)** – **Lee L. Swanström (USA-France)**

Discussant: **John O'Dea (Ireland)**

Key note: **Peter J. Hunter (New Zealand)**

- Are Engineers frustrated surgeons?, or are surgeons frustrated engineers? **John O'Dea (Ireland)**
- How can the engineer and the clinical work together to better solve the diagnostic and treatment problems in the Esophagus? **Larry S. Miller (USA)**
- What is the role of software engineering in esophageal diseases? **Vivian DeRuijter (Netherlands)**
- What will 3-D printing contribute to esophageal surgery?
- What drives the physician inventor? **Lee L. Swanstrom (USA)**
- The endoflip story: Engineering for a clinical target? or devices searching for applications?  
**John O'Dea (Ireland)**
- Lost in Translation – How do we get Clinicians and Engineers to speak the same language?  
**Barry P. McMahon (Ireland)**
- What can we learn from engineering models of the esophagus? **James G. Brasseur (USA)**
- How do we visualize diagnostic data from the esophagus to maximum benefit for the clinician?  
**Barry P. McMahon (Ireland)**
- Can Functional knowledge of the UES help in diagnosis and surgical treatment?  
**Julie Regan (Ireland)**
- Does distensibility testing give us new information on how the esophagus is engineered?  
**Hans Gregersen (Denmark-China)**

# Session 42

Thursday, September 3

2:00 – 4:00 pm

■ Room: Van Dongen

## Between GERD and NERD, weekly acidic reflux

Chairs: **Frank Zerbib (France)** – **Daniel Sifrim (UK)**

Discussant: **Michio Hongo (Japan)**

- What are the current definitions of NERD, Functional Heartburn and reflux hypersensitivity?  
**Edoardo Savarino (Italy)**
- Can we distinguish functional heartburn from reflux hypersensitivity and NERD in the clinic?  
**Ram Dickman (Israel)**
- Is there any evidence of NERD, functional heartburn and reflux hypersensitivity in children?  
**Samuel Nurko (USA)**
- Do we need impedance to differentiate different GERD phenotypes?  
**Sutep Gonlachanvit (Thailand)**
- What is the pathological role of weekly acidic reflux in refractory symptoms?  
**Frank Zerbib (France)**
- What is the role of impairment of the mucosal barrier and integrity in functional heartburn, NERD, and reflux hypersensitivity? **Jerzy Sarosiek (USA)**
- What is the role of histopathological changes for exclusion of functional heartburn?  
**Edoardo Savarino (Italy)**
- How important is aerophagia and air/liquid reflux in pathophysiology and treatment of NERD?  
**Daniel Sifrim (UK)**
- Are patients with NERD really responding less well to PPI treatment? **Frank Zerbib (France)**
- Is there any efficient medical treatment to reduce weekly acidic reflux?  
**Varocha Mahachai (Thailand)**
- Are we ready to treat weekly acidic reflux with surgery? **Roger P. Tatum (USA)**
- Is anti-reflux surgery indicated in NERD, reflux hypersensitivity and functional heartburn?  
**C. Prakash Gyawali (USA)**

# Session 43

Thursday, September 3

2:00 – 4:00 pm

Room: Genevoix

## Oral Presentations: Motility (O62-O73)

Chair: **Ellen Valitova (Russia)**

**O62 [148]** Recreating the physiological intussusception at the GE-junction to control refractive GERD: The Gastroesophageal Valvuloplasty.

Robert Tolboom<sup>1,2</sup>; Mark Meyer<sup>2</sup>; Badi Rawashdeh<sup>2</sup>; Mohammad Moslemi<sup>2</sup>; Barbara Tempesta<sup>2</sup>; Keith Maas<sup>2</sup>; Farid Gharagozloo<sup>2</sup>  
<sup>1</sup>Meander Medical Center, Amersfoort, Netherlands; <sup>2</sup>University of Arizona Medical Center, Tucson, AZ, USA

**O63 [327]** Laparoscopic heller myotomy for achalasia: analysis of successes and failures.

Omar Fathy<sup>1</sup>; GadEl Hak Nabil<sup>1</sup>  
<sup>1</sup>Prof. of Digestive Surgery, Mansoura, Egypt; <sup>2</sup>Prof. of Digestive Surgery, Mansoura, Egypt

**O64 [290]** Distribution of Functional Esophagogastric Junction Obstruction in patients with dysphagia in an Asian cohort.

Javed Yakoob<sup>1</sup>; Shahab Abid<sup>1</sup>; Saeed Hamid<sup>1</sup>; Zehra Amirali<sup>1</sup>; Wasim Jafri<sup>1</sup>  
<sup>1</sup>Department of Medicine, Aga Khan University, Karachi, Pakistan

**O65 [125]** Is gastric motility which is measured by electrogastrography can affect the minimal change esophagitis in children?

Eell Ryoo<sup>1</sup>; Sungbo Shim<sup>2</sup>  
<sup>1</sup>Department of Pediatrics, Gachon University Gil Hospital, Incheon, Korea, South; <sup>2</sup>Graduate School of Medicine, Gachon University, Incheon, Korea, South

**O66** The relationship between manometric subtype and outcomes of surgical treatment for patients with achalasia.

Oscar M. Crespín<sup>1</sup>; Roger P. Tatum<sup>1</sup>; Keliang Xiao<sup>1</sup>; Ana V. Martin<sup>1</sup>; Saurabh Khandelwal<sup>1</sup>; Carlos A. Pellegrini<sup>1</sup>; Brant K. Oelschlager<sup>1</sup>  
<sup>1</sup>Department of Surgery, University of Washington School of Medicine, Seattle, Washington.

**O67 [289]** Predicting relapse after surgery for achalasia by timed barium esophagogram.

Daniel Pirchi<sup>1</sup>; Rosa Ramos<sup>1</sup>; Graciela Salis<sup>1</sup>; Matias Mihura<sup>1</sup>; Anabel Mangoni<sup>1</sup>  
<sup>1</sup>Hospital Británico de Buenos Aires, Buenos Aires, Argentina

**O68 [170]** Achalasia 4 years after laparoscopic gastric bypass treated with laparoscopic Heller's myotomy.

Palle Miliam<sup>1</sup>; Inge Marie Poulsen<sup>1</sup>; Axel Kjeldsen<sup>1</sup>; Lisbeth Edvardsen Hvolris<sup>1</sup>  
<sup>1</sup>Surgical section of The Gastrointestinal Unit, Hvidovre University Hospital, Copenhagen, Denmark

**O69 [179]** Patients with Barrett's esophagus show hypersensitivity to acid but hyposensitivity to other esophageal stimuli.

Christian Lottrup<sup>1</sup>; Anne Lund Krarup<sup>1,2</sup>; Hans Gregersen<sup>3</sup>; Per Ejstrud<sup>4</sup>; Asbjørn Mohr Drewes<sup>1</sup>  
<sup>1</sup>Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg University Hospital, Aalborg, Denmark; <sup>2</sup>Department of Medicine, Randers Hospital, Randers, Denmark; <sup>3</sup>GIOME and the Key Laboratory for Biotheological Science and Technology of Ministry of Education, Bioengineering College of Chongqing University, Chongqing, China; <sup>4</sup>Department of Surgery, Aalborg University Hospital, Aalborg, Denmark

**O70 [238]** New bolus transit parameter in high-resolution impedance manometry: correlation with radionuclide esophageal transit scintigraphy.

Kee Wook Jung<sup>1</sup>  
<sup>1</sup>Department of Gastroenterology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Seoul, Korea, South

**O71 [150]** Procedure for the diagnosis of esophageal motor disorders from HRM data processing.

Alessandro Frigo<sup>1,2</sup>; Emanuele Luigi Carniel<sup>1,2</sup>; Arturo N. Natali<sup>1,2</sup>; Mario Costantini<sup>1,3</sup>; Stefano Merigliano<sup>1,3</sup>  
<sup>1</sup>Center for Mechanics of Biological Materials – University of Padova, Padova, Italy; <sup>2</sup>Department of Industrial Engineering – University of Padova, Padova, Italy; <sup>3</sup>Department of Surgery, Oncology and Gastroenterology – University of Padova, Padova, Italy

**O72 [234]** Esophageal motility alterations in neurologic disease.

Laura Candeloro<sup>1</sup>; Danilo Badiali<sup>1</sup>; Ivano Biviano<sup>1</sup>; Fortunée Irene Habib<sup>1</sup>; Enrico Stefano Corazziari<sup>1</sup>  
<sup>1</sup>Medicina Interna e Specialità Mediche. Gastroenterologia A, Policlinico Umberto I. Sapienza, Università di Roma, Rome, Italy

**O73 [232]** Esophageal motility alterations in amyotrophic lateral sclerosis: a part of a complex involvement of autonomic nervous system?

Laura Candeloro<sup>1</sup>; Danilo Badiali<sup>1</sup>; Ivano Biviano<sup>1</sup>; Fortunée Irene Habib<sup>1</sup>; Enrico Stefano Corazziari<sup>1</sup>  
<sup>1</sup>Medicina Interna e Specialità Mediche. Gastroenterologia A, Policlinico Umberto I. Sapienza, Università di Roma, Rome, Italy

## Session 44

Thursday, September 3  
2:00 – 4:00 pm

■ Room: Bosio

### Selected Posters

Oral presentations (2)

Chair: **Xiao (Luke) Chen (USA)**

*The content of this session will be determined following the selection of the Jury made during the congress. The presenters will be announced on Wednesday, September 2, at 2:00 pm in the main Hall.*

## Session 45

Thursday, September 3  
2:00 – 4:00 pm

■ Room: Poulenc

### Achalasia update

Chairs: **Valter N. Felix (Brasil)** – **Michael F. Vaezi (USA)**

Discussant: **Uday C. Ghoshal (India)**

- Achalasia subtypes—what do they mean? **Sudep Gonlachanvit (Thailand)**
- What is the likely etiology of achalasia—viral, autoimmune or something else?  
**Uday C. Ghoshal (India)**
- Drugs for achalasia: How and When? **Carmelo Scarpignato (Italy)**
- Who should have PD and in whom surgery is the better option? **Roberto Penagini (Italy)**
- Pneumatic dilation of cardia. How to enhance best results? **Charlotte Scheerens (Belgium)**
- Botulinum toxin into LES. What is state of art? **Michael F. Vaezi (USA)**
- POEM: update and comparison to myotomy. **Jan Martinek (Czech Republic)**
- How to avoid and how to treat esophageal perforations due to POEM?  
**Jürgen Hochberger (Germany-France)**
- Per-oral endoscopic re-myotomy as salvage procedure for recurrent dysphagia after Heller myotomy. **Erwin Rieder (Austria)**
- Dysphagia post PD/myotomy—is it recurrence or GERD? **Eduardo De Moura (Brazil)**
- Esophagectomy for end-stage achalasia. Is there a place for it yet? When and how?  
**Valter N. Felix (Brazil)**
- Should I do surveillance for cancer in achalasia? **Luigi Bonavina (Italy)**

# Session 46

Thursday, September 3  
4:05 – 4:45 pm

■ Room: Van Dongen

## Towards the Esophagiome

Integration of models – From Genetics to Physiology

- Introduction. **Hans Gregersen (Denmark-China)**
- Progress on the macrolevel. **Hans Gregersen (Denmark-China)**
- Progress on the microlevel. **Xiao (Luke) Chen (USA)**
- Directions for Esophagiome. **Peter J. Hunter (New Zealand)**

4:50 – 5:30 pm Closing

Panel: **Hans Gregersen – Lee L. Swanström – George Triadafilopoulos**  
– **Roger P. Tatum – Robert Giuli**

# Closing

Thursday, September 3  
4:50 – 5:30 pm

■ Room: Van Dongen

Panel:

**Hans Gregersen**  
**Lee L. Swanström**  
**George Triadafilopoulos**  
**Roger P. Tatum**  
**Carmelo Scarpignato**  
**Robert Giuli**



Peter Pokieser

# The OESO Foundation

## UNESCO Chair for distance learning course

The 10 Sessions to follow are specifically devoted to **integrated information, communication, and education in Medicine.**

They are organized by the OESO Foundation, the arm of OESO for CME, in the framework of the UNESCO Chair for distance learning.

One of its missions of the OESO Foundation is to set up of a world-wide inter-university network and to develop its program of CME, in cooperation with the Department of Medical Informatics at the University of Geneva.



## Session 47

Monday, August 31

2:00 – 4:00 pm

■ Room: Lifar

### Course Introduction: OESO – IICE

Chairs: **Peter Pokieser (Austria)** – **Martin R. Fischer (Germany)**

Promoting interdisciplinary exchange between clinical and social sciences, the OESO Foundation presents an interactive course about medical information communication and learning in medicine

- “The unified patient hospital” a model of global medicine. **Peter Pokieser (Austria)**
- Empowerment of health professionals in the “knowledge age”.  
**Michaela Wagner Menghin (Austria)**
- A patient, a problem and responsibility: the Clinician’s privilege. **Martin R. Fischer (Germany)**



## Session 48

Monday, August 31

4:30 – 6:00 pm

■ Room: Lifar

### Psychology, Sociology and Clinical Medicine

Chairs: **Peter Pokieser (Austria)** – **Martin R. Fischer (Germany)**

- Information psychology and technology: mind and tools. **Michaela Wagner Menghin (Austria)**
- Communication sciences: what doctors should know about TV. **Peter Pokieser (Austria)**
- Why science of education is not e-Learning. **Martin R. Fischer (Germany)**



## Session 6

(Same content as on page 28)

Tuesday, September 1  
10:30 am – 12:30 pm

■ Room: Camille Blanc

### New paradigms of Information, Communication and Learning in Medicine

Chairs: **Peter Pokieser (Austria)** – **Martin R. Fischer (Germany)**

#### Clinical medicine meets Psychology and Sociology

- What are the new paradigms of information, communication and learning in Medicine?  
**Peter Pokieser (Austria)**
- What is the specific contribution of OESO to the medical community? **Peter Pokieser (Austria)**
- The OESO method of interdisciplinary questions and answers: a model for education?  
**Christoph Schuhmacher (Germany)**

Discussion

- Steady growth of the www medical social space: how is e-Learning in Eurasia?  
**Mansoor Fatehi (Iran)**
- Steady growth of the www medical social space: how is e-Learning in Asia?  
**Peter Pokieser (Austria)**
- UNESCO Chair for distant learning: how is e-Learning in Africa?  
**Antoine Geissbuhler (Switzerland)**

Discussion

- Modern medical education: local art or global trend? **Martin R. Fischer (Germany)**
- Psychology: do we improve in our patient relations? **Michaela Wagner Menghin (Austria)**
- e-Health and e-Learning: is there any relation between telemedicine and teleeducation?  
**Vivian DeRuijter (Netherlands)**

Discussion

- Social media: successful tools for individuals and business, how is about institutional medicine?  
**Alexander Sachs (Austria)**
- Massive open online courses and webinars: a temporary fashion or powerful development?  
**Alexander Sachs (Austria)**
- Semantic search for medical information: do we expect a boost of information quality?  
**Elmar Kotter (Germany)**

Discussion

- Theranostics: do they have an impact on esophagology? **Osman Ratib (Switzerland)**
- What is the role of radiology for e-Health? **Emanuele Neri (Italy)**
- Digital pathology: too much data for e-Health? **Wolfgang Pokieser (Austria)**

Discussion



## Session 49

Tuesday, September 1

2:00 – 4:00 pm

■ Room: Lifar

### Individuum and medicine: Health professionals

Chairs: **Emanuele Neri** (Italy) – **Peter Pokieser** (Austria)

- Introduction
- Structured reporting: benefit for doctors or new administrative burden? **Daniel Pinto dos Santos** (Germany)
- What are the contributions of Radiology to other health professionals beyond imaging? **Emanuele Neri** (Italy)
- Situation of health professionals in 2025: which changes can be visualised? **Alexander Sachs** (Austria)
- Current scientific evidence: overview

## Session 50

Tuesday, September 1

4:30 – 6:30 pm

■ Room: Lifar

### Individuum and medicine: Patients, citizens

Chairs: **Michaela Wagner Menghin** (Austria) – **Peter Pokieser** (Austria)

- Introduction
- The art of taking history: are there new insights and developments?  
**Michaela Wagner Menghin** (Austria)
- Children's Medical University: what can children learn about dysphagia?  
**Peter Pokieser** (Austria)
- What are the new citizen claims of modern medicine? **Luca Motzo** (Germany)
- Current scientific evidence: overview

## Session 51

Wednesday, September 2

10:30 am – 12:30 pm

■ Room: Lifar

### Medical institutions: Hospitals, patient care

Chairs: **Antoine Geissbuhler** (Switzerland) – **Osman Ratib** (Switzerland)

- Introduction
- What kind of networks support African institutions? **Antoine Geissbuhler** (Switzerland)
- Are social networks influencing patient care? **Osman Ratib** (Switzerland)
- E-Health: more fears or hope for patient care? **Jürgen Brandstätter** (Austria)
- Current scientific evidence: overview

## Session 52

Wednesday, September 2  
2:00 – 4:00 pm

■ Room: Lifar

### Medical institutions: Science and education

Chairs: **Martin R. Fischer** (Germany) – **Peter Pokieser** (Austria)

- Introduction
- Medical institutions: Which factors are fostering knowledge transfer? **Martin R. Fischer** (Germany)
- Semantic search engines: is there a practical use for education? **Elmar Kotter** (Germany)
- What are the future prospects of digital pathology? **Wolfgang Pokieser** (Austria)
- How does ECRIN manage international clinical trials? **Christoph Schuhmacher** (Germany)
- Current scientific evidence: overview

## Session 53

Wednesday, September 2  
4:15 – 5:30 pm (interactive collaborative session)

■ Room: Lifar

### Medical institutions: Interactive workshop

Chair: **Peter Pokieser** (Austria)

#### Open space:

- Participants will be encouraged to announce to most urgent topics of Information, communication and learning under the perspective of medical institutions.
- Selected topics are discussed in small groups, the results of group work will be presented, summarized and discussed together.

## Session 54

Thursday, September 3  
8:00 am – 10:00 am

■ Room: Lifar

### International social space: Global medicine

Chairs: **Alexander Sachs** (Austria) – **Michaela Wagner-Menghin** (Austria)

- Introduction
- How does IHE integrate the global Healthcare enterprise? **Martin Tiani** (Austria)
- Current international health services: who is on call? **Pierre Michael Meier** (Germany)
- What are the requirements for a global health record? **Mansoor Fatehi** (Iran)
- Current scientific evidence: overview

## Session 55

Thursday, September 3

10:30 am – 12:30 pm

Room: Lifar

### International social space: Virtual University

Chairs: **Ludwig Kramer (Austria)** – **Peter Pokieser (Austria)**

- Introduction
- Are there any successful attempts to “Virtual University”? **Peter Pokieser (Austria)**
- Towards international board examinations: fruitful first steps? **Ludwig Kramer (Austria)**
- Current scientific evidence: overview

## Session 56

Thursday, September 3

2:00 – 4:00 pm (interactive collaborative session and closing remarks)

Room: Lifar

### International social space: Interactive workshop

Chair: **Peter Pokieser (Austria)**

#### Open space:

- Participants will be encouraged to announce to most urgent topics of Information, communication and learning under the perspective of the international community.
- Selected topics are discussed in small groups, the results of group work will be presented, summarized and discussed together.



Paintings – Viktoria Pokieser

*A selection of her works is exhibited in the Hall of the Grimaldi Forum.*





# Oral presentations

Among all the abstracts submitted to the congress for Poster or oral presentation, twelve will be selected.

The authors will be honored at the Gala evening, at which time they will receive a diploma.

In addition, they will be offered free registration at the time of the OESO 14<sup>th</sup> World Conference in 2017.

## Session 37

Thursday, September 3  
10:30 am – 12:30 pm

■ Room: Van Dongen

*(Same content as on page 51)*

### Selected Posters

Oral presentations (1)

Chair: **Richard W. McCallum (USA)**

*The content of this session will be determined following the selection of the Jury made during the congress. The presenters will be announced on Wednesday, September 2, at 2:00 pm in the main Hall.*

## Session 44

Thursday, September 3  
2:00 – 4:00 pm

■ Room: Bosio

*(Same content as on page 58)*

### Selected Posters

Oral presentations (2)

Chair: **Xiao (Luke) Chen (USA)**

*The content of this session will be determined following the selection of the Jury made during the congress. The presenters will be announced on Wednesday, September 2, at 2:00 pm in the main Hall.*

# Session 19

(Same content as on page 39)

Wednesday, September 2  
8:00 am – 10:00 am

Room: Genevoix

## Oral Presentations: Endoscopy (O35-O46)

Chairs: **Myong-Ki Baeg (Korea) – Myung-Gyu Choi (Korea)**

**O35 [322] Computer-aided diagnostic system for the real-time pathology prediction and clinical decision support during narrow band imaging magnification endoscopy in stomach.**

Roman Kuvae<sup>1</sup>; Sergey Kashin<sup>1</sup>; Evgeny Nikonov<sup>2</sup>; Ekaterina Krainova<sup>1</sup>; Herbert Edelsbrunner<sup>3</sup>; Olga Dunaeva<sup>4</sup>; Daria Malkova<sup>4</sup>; Anton Lukyanov<sup>4</sup>; Viktor Kapranov<sup>4</sup>; Alexander Rusakov<sup>4</sup>

<sup>1</sup> Yaroslavl Regional Cancer Hospital, Yaroslavl, Russia; <sup>2</sup> Moscow Healthcare Department, Moscow, Russia; <sup>3</sup> Institute of Science and Technology, Klosterneuburg, Austria; <sup>4</sup> P.G. Demidov Yaroslavl State University, Yaroslavl, Russia

**O36 [283] Missing oesophageal cancer upon endoscopy in a prevalent population: a retrospective cohort.**

Vivien Wai-Yin Wong<sup>1</sup>

<sup>1</sup> The Chinese University of Hong Kong, Hong Kong, Hong Kong

**O37 [130] Predictors of partial vs. complete symptomatic response in patients with esophageal achalasia treated by per oral endoscopic myotomy (POEM).**

Zuzana Vackova<sup>1</sup>; Hana Svecova<sup>1</sup>; Petr Stirand<sup>1</sup>; Julius Spicak<sup>1</sup>; Jana Krajcova<sup>1</sup>; Lucie Fremundova<sup>2</sup>; Pavla Loudova<sup>3</sup>; Jan Martinek<sup>1</sup>

<sup>1</sup> IKEM, Department of Hepatogastroenterology, Prague, Czech Rep.; <sup>2</sup> Department of Internal Medicine, University Hospital Pilsen, Pilsen, Czech Rep.;

<sup>3</sup> Department of Gastroenterology, Hospital Kolin, Kolin, Czech Rep.

**O38 [62] The imaging diagnosis and treatment with combined-type Y-shaped covered metallic stents for thoracostomach-airway fistulas.**

Li Teng-Fei<sup>1</sup>; Han Xin-Wei<sup>1</sup>; Lu Hui-Bin<sup>1</sup>; Ren Ke-Wei<sup>1</sup>; Wu Gang<sup>1</sup>; Zhang Quan-Hui<sup>1</sup>; Li Zong-Ming<sup>1</sup>

<sup>1</sup> The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China

**O39 [156] Per oral endoscopic myotomy: a prospective evaluation of 86 consecutive cases.**

Hana Svecova<sup>1</sup>; Julius Spicak<sup>1</sup>; Petr Stirand<sup>1</sup>; Zuzana Vackova<sup>1</sup>; Eva Kieslichova<sup>2</sup>; Radek Dolezel<sup>3</sup>; Radim Janoušek<sup>4</sup>;

Alexandr Pazdro<sup>5</sup>; Thomas Rösch<sup>6</sup>; Jan Martinek<sup>1</sup>

<sup>1</sup> Department of Hepatogastroenterology, IKEM, Prague, Czech Rep.; <sup>2</sup> Department of Anesthesiology and Intensive Care, IKEM, Prague, Czech Rep.;

<sup>3</sup> Department of Surgery, Military University Hospital, Prague, Czech Rep.; <sup>4</sup> Department of Radiology, IKEM, Prague, Czech Rep.; <sup>5</sup> Department of Surgery, University Hospital Motol, Prague, Czech Rep.;

<sup>6</sup> Department of Interdisciplinary Endoscopy, University Hospital Hamburg-Eppendorf, Hamburg, Germany

**O40 [91] Endoscopic submucosal dissection versus transthoracic esophagectomy for superficial esophageal squamous cell carcinoma.**

Kongjia Luo<sup>1,2,3,4</sup>; Yi Hu<sup>1,2,3,4</sup>; Tiehua Rong<sup>1,2,3,4</sup>; Jianhua Fu<sup>1,2,3,4</sup>

<sup>1</sup> Sun Yat-Sen University Cancer Center, Guangzhou, China; <sup>2</sup> Guangdong Esophageal Cancer Institute, Guangzhou, China; <sup>3</sup> State Key Laboratory of Oncology in South China, Guangzhou, China; <sup>4</sup> Collaborative Innovation Center for Cancer Medicine, Guangzhou, China

**O41 [153] First experiences of confocal laser endomicroscopy (pCLE-Cellvizio) in the diagnosis of gastrointestinal lesions.**

Marek Kollar<sup>1</sup>; Jana Maluskova<sup>1</sup>; Eva Sticova<sup>1</sup>; Eva Honsova<sup>1</sup>; Jiri Fronek<sup>2</sup>; Martin Oliverius<sup>2</sup>; Julius Spicak<sup>3</sup>; Pavel Trunecka<sup>4</sup>;

Jan Martinek<sup>3</sup>

<sup>1</sup> Department of Pathology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.; <sup>2</sup> Department of Transplant Surgery, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.;

<sup>3</sup> Department of Hepatogastroenterology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.;

<sup>4</sup> Transplantcenter, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.

**O42 [152] Endoscopy vs. surgery for high-risk early esophageal cancer.**

Marek Kollar<sup>1</sup>; Jana Krajcova<sup>1</sup>; Jana Maluskova<sup>1</sup>; Eva Honsova<sup>1</sup>; Alexandr Pazdro<sup>3</sup>; Tomas Harustiak<sup>3</sup>; Zuzana Vackova<sup>2</sup>; Julius Spicak<sup>2</sup>;

Jan Martinek<sup>2</sup>

<sup>1</sup> Department of Pathology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.; <sup>2</sup> Department of Hepatogastroenterology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.;

<sup>3</sup> Third Department of Surgery, <sup>1</sup> Faculty of Medicine, Charles University in Prague and Motol University Hospital, Prague, Czech Rep.

**O43 [300] Successful endoscopic scar excision and over-the-scope-clip closure for a chronic brocho-esophageal fistula.**

Juergen Hochberger<sup>1</sup>; Edris Wedi<sup>1</sup>

<sup>1</sup> Strasbourg Univ. Hospitals, NHC and IHU, Strasbourg, France

**O44 [294] Limited oral high-dose steroid treatment and temporary stent implantation are effective for stricture prevention after wide-spread or tubular esd for early esophageal cancer.**

Juergen Hochberger<sup>1,2</sup>; Elena Kruse<sup>2</sup>; Peter Koehler<sup>3</sup>; Adrian Sportes<sup>1</sup>; Edris Wedi<sup>1,2</sup>

<sup>1</sup> Strasbourg Univ. Hospitals, NHC and IHU, Strasbourg, France; <sup>2</sup> St. Bernward Hospital, Academic Teaching Hospital of the Univ. of Goettingen,

Hildesheim, Germany; <sup>3</sup> Friedrich-Loeffler-Institute, Mariensee, Germany

**O45 [205] Successful mucosal transplantation from stomach to esophagus for stricture prevention after widespread circular endoscopic submucosal dissection (esd) for early esophageal squamous cell carcinoma.**

Juergen Hochberger<sup>1,2</sup>; Edris Wedi<sup>1,3</sup>; Peter Koehler<sup>4</sup>; Andreas Hilficker<sup>2</sup>; Heiner Niemann<sup>4</sup>; Elena Kruse<sup>3</sup>; Silvia Gluer<sup>3</sup>

<sup>1</sup> Strasbourg Univ. Hospitals, NHC and IHU, Strasbourg, France; <sup>2</sup> University of Hannover, Institute for Artificial Organs LEBAO, Rebirth Cluster of Excellence, Hannover, Germany; <sup>3</sup> St. Bernward Hospital, Academic Teaching Hospital of the Univ. of Goettingen, Hildesheim, Germany; <sup>4</sup> Friedrich-Loeffler-Institute, Mariensee, Germany

**O46 [139] Gentamicin submucosal lavage during per oral endoscopic myotomy (POEM): Is it necessary?**

Julia Bayer<sup>1</sup>; Zuzana Vackova<sup>1</sup>; Hana Svecova<sup>1</sup>; Jan Martinek<sup>1</sup>

<sup>1</sup> IKEM, Prague, Czech Rep.

# Session 43

(Same content as on page 57)

Thursday, September 3  
2:00 – 4:00 pm

Room: Genevoix

## Oral Presentations: Motility (062-073)

Chair: **Ellen Valitova (Russia)**

**062 [148]** Recreating the physiological intussusception at the GE-junction to control refractive GERD: The Gastroesophageal Valvuloplasty.

Robert Tolboom<sup>1,2</sup>; Mark Meyer<sup>2</sup>; Badi Rawashdeh<sup>2</sup>; Mohammad Moslemi<sup>2</sup>; Barbara Tempesta<sup>2</sup>; Keith Maas<sup>2</sup>; Farid Gharagozloo<sup>2</sup>  
<sup>1</sup>Meander Medical Center, Amersfoort, Netherlands; <sup>2</sup>University of Arizona Medical Center, Tucson, AZ, USA

**063 [327]** Laparoscopic heller myotomy for achalasia: analysis of successes and failures.

Omar Fathy<sup>1</sup>; GadEl Hak Nabil<sup>1</sup>  
<sup>1</sup>Prof. of Digestive Surgery, Mansoura, Egypt; <sup>2</sup>Prof. of Digestive Surgery, Mansoura, Egypt

**064 [290]** Distribution of Functional Esophagogastric Junction Obstruction in patients with dysphagia in an Asian cohort.

Javed Yakoob<sup>1</sup>; Shahab Abid<sup>1</sup>; Saeed Hamid<sup>1</sup>; Zehra Amiral<sup>1</sup>; Wasim Jafri<sup>1</sup>  
<sup>1</sup>Department of Medicine, Aga Khan University, Karachi, Pakistan

**065 [125]** Is gastric motility which is measured by electrogastrography can affect the minimal change esophagitis in children?

Eell Ryoo<sup>1</sup>; Sungbo Shim<sup>2</sup>  
<sup>1</sup>Department of Pediatrics, Gachon University Gil Hospital, Incheon, Korea, South; <sup>2</sup>Graduate School of Medicine, Gachon University, Incheon, Korea, South

**066** The relationship between manometric subtype and outcomes of surgical treatment for patients with achalasia.

Oscar M. Crespin<sup>1</sup>; Roger P. Tatum<sup>1</sup>; Keliang Xiao<sup>1</sup>; Ana V. Martin<sup>1</sup>; Saurabh Khandelwal<sup>1</sup>; Carlos A. Pellegrini<sup>1</sup>; Brant K. Oelschlager<sup>1</sup>  
<sup>1</sup>Department of Surgery, University of Washington School of Medicine, Seattle, Washington.

**067 [289]** Predicting relapse after surgery for achalasia by timed barium esophagogram.

Daniel Pirchi<sup>1</sup>; Rosa Ramos<sup>1</sup>; Graciela Salis<sup>1</sup>; Matias Mihura<sup>1</sup>; Anabel Mangoni<sup>1</sup>  
<sup>1</sup>Hospital Britanico de Buenos Aires, Buenos Aires, Argentina

**068 [170]** Achalasia 4 years after laparoscopic gastric bypass treated with laparoscopic Heller's myotomy.

Palle Miliam<sup>1</sup>; Inge Marie Poulsen<sup>1</sup>; Axel Kjeldsen<sup>1</sup>; Lisbeth Edvardsen Hvolris<sup>1</sup>  
<sup>1</sup>Surgical section of The Gastrointestinal Unit, Hvidovre University Hospital, Copenhagen, Denmark

**069 [179]** Patients with Barrett's esophagus show hypersensitivity to acid but hyposensitivity to other esophageal stimuli.

Christian Lottrup<sup>1</sup>; Anne Lund Krarup<sup>1,2</sup>; Hans Gregersen<sup>3</sup>; Per Ejstrup<sup>4</sup>; Asbjørn Mohr Drewes<sup>1</sup>  
<sup>1</sup>Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg University Hospital, Aalborg, Denmark; <sup>2</sup>Department of Medicine, Randers Hospital, Randers, Denmark; <sup>3</sup>GIOME and the Key Laboratory for Biorheological Science and Technology of Ministry of Education, Bioengineering College of Chongqing University, Chongqing, China; <sup>4</sup>Department of Surgery, Aalborg University Hospital, Aalborg, Denmark

**070 [238]** New bolus transit parameter in high-resolution impedance manometry: correlation with radionuclide esophageal transit scintigraphy.

Kee Wook Jung<sup>1</sup>  
<sup>1</sup>Department of Gastroenterology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Seoul, Korea, South

**071 [150]** Procedure for the diagnosis of esophageal motor disorders from HRM data processing.

Alessandro Frigo<sup>1,2</sup>; Emanuele Luigi Carniel<sup>1,2</sup>; Arturo N. Natali<sup>1,2</sup>; Mario Costantini<sup>1,3</sup>; Stefano Merigliano<sup>1,3</sup>  
<sup>1</sup>Center for Mechanics of Biological Materials – University of Padova, Padova, Italy; <sup>2</sup>Department of Industrial Engineering – University of Padova, Padova, Italy; <sup>3</sup>Department of Surgery, Oncology and Gastroenterology – University of Padova, Padova, Italy

**072 [234]** Esophageal motility alterations in neurologic disease.

Laura Candeloro<sup>1</sup>; Danilo Badiali<sup>1</sup>; Ivano Biviano<sup>1</sup>; Fortunée Irene Habib<sup>1</sup>; Enrico Stefano Corazziari<sup>1</sup>  
<sup>1</sup>Medicina Interna e Specialità Mediche. Gastroenterologia A, Policlinico Umberto I. Sapienza, Università di Roma, Rome, Italy

**073 [232]** Esophageal motility alterations in amyotrophic lateral sclerosis: a part of a complex involvement of autonomic nervous system?

Laura Candeloro<sup>1</sup>; Danilo Badiali<sup>1</sup>; Ivano Biviano<sup>1</sup>; Fortunée Irene Habib<sup>1</sup>; Enrico Stefano Corazziari<sup>1</sup>  
<sup>1</sup>Medicina Interna e Specialità Mediche. Gastroenterologia A, Policlinico Umberto I. Sapienza, Università di Roma, Rome, Italy

# Session 57

Tuesday, September 1  
8:00 – 10:00 am

■ Room: Scotto

## Oral Presentations: Cancers (1) (001-009)

Chair: **Sylvia Van der Horst (Netherlands)**

**001 [313] Distribution of lymph node metastases in esophageal adenocarcinoma; a prospective cohort study.**

Hannah Künzli<sup>1,2</sup>; Anne-Sophie van Rijswijk<sup>3</sup>; Sybren Meijer<sup>4</sup>; Mark van Berge Henegouwen<sup>3</sup>; Suzanne Gisbertz<sup>2</sup>  
<sup>1</sup>Department of Gastroenterology and Hepatology, St. Antonius Hospital, Nieuwegein, Netherlands; <sup>2</sup>Department of Gastroenterology and Hepatology, Academic Medical Center, Amsterdam, Netherlands; <sup>3</sup>Department of Surgery, Academic Medical Center, Amsterdam, Netherlands; <sup>4</sup>Department of Pathology, Academic Medical Center, Amsterdam, Netherlands

**002 [226] The prognostic significance of the number of negative lymph nodes in patients with esophageal squamous cell cancer after tri-incisional esophagectomy.**

Tan Zihui<sup>1</sup>; Zhang Man<sup>2</sup>; Fu Jianhua<sup>1</sup>; Lin Peng<sup>1</sup>; Rong Tiehua<sup>1</sup>  
<sup>1</sup>Sun Yat-sen University Cancer Center, Guangzhou, China; <sup>2</sup>The third affiliated hospital, Sun Yat-sen University, Guangzhou, China

**003 [65] The background mucosa around small esophageal cancers: always intestinal metaplasia?**

Robbert Wylleman<sup>1</sup>; Xavier Sagaert<sup>1</sup>; Raf Bisschops<sup>2</sup>; Gert De Hertogh<sup>1</sup>  
<sup>1</sup>Pathology University Hospital Gasthuisberg, Leuven, Belgium; <sup>2</sup>Gastro-Enterology University Hospital Gasthuisberg, Leuven, Belgium

**004 [86] Metastatic lymph nodes' epithelial-mesenchymal transition phenotypes are distinct from primary tumors' and associated with patient prognosis in esophageal squamous cell carcinomas.**

Jing Wen<sup>1</sup>; Kongjia Luo<sup>1</sup>; Qianwen Liu<sup>1</sup>; Meifang Zhang<sup>1</sup>; Xiuying Xie<sup>1</sup>; Hong Yang<sup>1</sup>; Jianhua Fu<sup>1</sup>; Yi Hu<sup>1</sup>  
<sup>1</sup>Sun Yat-sen University Cancer Center, Guangzhou, China

**005 [85] MiRNA expression analysis of pretreatment biopsies predicts the pathological response of esophageal squamous cell carcinomas to neoadjuvant chemoradiotherapy.**

Jing Wen<sup>1</sup>; Kongjia Luo<sup>1</sup>; Hui Liu<sup>1</sup>; Shiliang Liu<sup>1</sup>; Guangrong Lin<sup>2</sup>; Yi Hu<sup>1</sup>; Xu Zhang<sup>1</sup>; Geng Wang<sup>3</sup>; Yuping Chen<sup>3</sup>; Zhijian Chen<sup>3</sup>; Yi Li<sup>1</sup>; Ting Lin<sup>1</sup>; Xiuying Xie<sup>1</sup>; Mengzhong Liu<sup>1</sup>; Huiyun Wang<sup>1</sup>; Hong Yang<sup>1</sup>; Jianhua Fu<sup>1</sup>  
<sup>1</sup>Sun Yat-sen University Cancer Center, Guangzhou, China; <sup>2</sup>Guangzhou Haige Communications Group Incorporated Company, Guangzhou, China; <sup>3</sup>Cancer Hospital of Shantou University Medical College, Shantou, China

**006 [202] Long-term follow-up of a community assignment one time endoscopic screening study of esophageal cancer in China.**

Wenqiang Wei<sup>1</sup>; Zhi-Feng Chen<sup>2</sup>; Yu-Tong He<sup>2</sup>; Hao Feng<sup>1</sup>; Jun Hou<sup>2</sup>; Dong-Mei Lin<sup>3</sup>; Xin-Qing Li<sup>1</sup>; Cui-Lan Guo<sup>4</sup>; Shao-Sen Li<sup>5</sup>; Guo-Qing Wang<sup>6</sup>; Zhi-Wei Dong<sup>1</sup>; Christian C Abnet<sup>7</sup>; Qiao You-Lin<sup>1</sup>  
<sup>1</sup>Department of Cancer Epidemiology, Cancer Institute/Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China; <sup>2</sup>Department of Epidemiology, Cancer Institute of Hebei Province, Shijiazhuang, China, Shijiazhuang, China; <sup>3</sup>Department of Pathology, Cancer Institute/Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China; <sup>4</sup>Department of Endoscopy, Cancer Institute/Hospital of Ci county, Handan, China; <sup>5</sup>Department of Pathology, Cancer Institute/Hospital of Ci county, Handan, China; <sup>6</sup>Department of Endoscopy, Cancer Institute/Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China; <sup>7</sup>Nutritional Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Bethesda, USA

**007 [168] Supplementation with selenium, vitamin E, and beta-carotene has continued benefit on upper digestive cancer mortality 22 years after cessation of the intervention: 27-year follow-up results from Linxian nutrition intervention trial.**

Shaoming Wang<sup>1</sup>; Jinhu Fan<sup>1</sup>; Youlin Qiao<sup>1</sup>; P R Taylor<sup>2</sup>; C C Abnet<sup>2</sup>  
<sup>1</sup>National Cancer Center & Cancer Hospital, Chinese Academy of Medical Sciences, Beijing, China; <sup>2</sup>National Cancer Institute, Bethesda, USA

**008 [127] Cost-effectiveness analysis of esophageal cancer endoscopic screening in high-risk areas of China.**

Meng Wang<sup>1</sup>; Juan Yang<sup>2</sup>; Hao Feng<sup>1</sup>; Wen-Qiang Wei<sup>1</sup>  
<sup>1</sup>Cancer Hospital, Chinese Academy of Medical Sciences, Beijing, China; <sup>2</sup>Chinese Center for Disease Control and Prevention, Beijing, China

**009 [8] Diagnostic accuracy of CT scan in staging Esophageal cancer.**

Rizwan Sultan<sup>1</sup>; Zishan Hiader<sup>1</sup>; Tabish Chawla<sup>1</sup>  
<sup>1</sup>Aga Khan University Hospital, Karachi, Pakistan



# Session 58

Tuesday, September 1

10:30 am – 12:30 pm

Room: Scotto

## Oral Presentations: Cancers (2) (O10-O18)

Chair: **Jan Martinek (Czech Republic)**

**O10 [295]** MET expression in patients and in 3D co-culture models.

Alex Reece-Smith<sup>1</sup>; John Saunders<sup>1</sup>; David Onion<sup>1</sup>; Simon Parsons<sup>2</sup>; Anna Grabowska<sup>1</sup>

<sup>1</sup>University of Nottingham, Division of Pre-Clinical Oncology, Nottingham, United Kingdom; <sup>2</sup>Nottingham University Hospitals NHS Trust, Department of Oesophago-gastric Surgery, Nottingham, United Kingdom

**O11 [291]** Improving in vitro models of esophageal cancer. A 3D co-culture with close-to-patient cells co-cultured with cancer-associated fibroblasts.

Alex Reece-Smith<sup>1</sup>; David Onion<sup>1</sup>; Simon Parsons<sup>2</sup>; Anna Grabowska<sup>1</sup>

<sup>1</sup>University of Nottingham, Division of Pre-Clinical Oncology, Nottingham, United Kingdom; <sup>2</sup>Nottingham University Hospitals NHS Trust, Department of Oesophago-gastric Surgery, Nottingham, United Kingdom

**O12 [225]** Prognostic Risk Factors of Early Esophageal Squamous Cell Carcinoma: A Single-Institute Ten-year Experience.

Lin Peng<sup>1</sup>; Rong Tiehua<sup>1</sup>; Tan Zihui<sup>1</sup>; Fu Jianhua<sup>1</sup>

<sup>1</sup>Sun Yat-sen University Cancer Center, Guangzhou, China

**O13 [267]** The role of pet-CT after neoadjuvant therapy for esophageal cancer in predicting complete pathological response.

Ran Orgad<sup>1</sup>; Idan Carmeli<sup>1</sup>; Hila Shmilovich<sup>1</sup>; Hana Bernstine<sup>2</sup>; Sara Morgenstern<sup>3</sup>; Yael Feferman<sup>1</sup>; Nikolai Menasherov<sup>1</sup>; Michael Stein<sup>1</sup>; Baruch Brenner<sup>4</sup>; Hanoch Kashtan<sup>1</sup>

<sup>1</sup>Department of Surgery, Rabin Medical Center, Petah Tikva, Israel; <sup>2</sup>Department of Nuclear Medicine, Rabin Medical Center, Petah Tikva, Israel; <sup>3</sup>Department of Pathology, Rabin Medical Center, Petah Tikva, Israel; <sup>4</sup>The Institute of Oncology, Rabin Medical Center, Petah Tikva, Israel

**O14 [296]** Preoperative chemoradiotherapy for resectable esophageal cancer: a single center experience.

Merel Lubbers<sup>1</sup>; MJ Det van<sup>1</sup>; R Hoekstra<sup>2</sup>; J Baarlen van<sup>2</sup>; E Hendriksen<sup>2</sup>; EA Kouwenhoven<sup>1</sup>

<sup>1</sup>Ziekenhuisgroep Twente, Almelo, Netherlands; <sup>2</sup>Medisch Spectrum Twente, Enschede, Netherlands

**O15 [210]** Epidemiology of adenocarcinoma of esophagogastric junction during 1988-2012 in a high incidence area of China.

Jun Li<sup>1</sup>; Hai-Dong Jiang<sup>1</sup>; Yong-Ming He<sup>1</sup>

<sup>1</sup>Tumor research hospital of Sichuan Yan-Ting, Yan-Ting, China

**O16 [136]** Summary of the characteristics and surgical outcomes for patients of primary malignant melanoma of the esophagus from a single center.

Jiagen Li<sup>1</sup>; Shugeng Gao<sup>1</sup>

<sup>1</sup>Cancer Institute and Hospital, Chinese Academy of Medical Sciences, Beijing, China

**O17 [15]** Discovery and validate novel lncRNA in esophageal squamous cell carcinoma.

Sang Kil Lee<sup>1</sup>

<sup>1</sup>Yonsei University College of Medicine, Seoul, Korea, South

**O18 [273]** Prognostic factors and management in primary esophageal small cell carcinoma.

Fu Jianhua<sup>1</sup>; Tan Zihui<sup>1</sup>; Rong Tiehua<sup>1</sup>; Zhang Man<sup>2</sup>

<sup>1</sup>Sun yat-sen University Cancer Center, Guangzhou, China; <sup>2</sup>Sun yat-sen University, the third affiliated hospital, Guangzhou, China

# Session 59

Tuesday, September 1  
2:00 – 4:00 pm

■ Room: Scotto

## Oral Presentations: Cancers (3) (O19-O28)

Chair: **Farhood Farjah (USA)**

**O19 [208]** Epidemiology of esophageal cancer during 1988-2012 in a high incidence area of China.

Hai-Dong Jiang<sup>1</sup>; Yong-Ming He<sup>1</sup>; Jun Li<sup>1</sup>

<sup>1</sup> Tumor research hospital of Sichuan Yan-Ting, Yan-Ting, China

**O20 [82]** Esophageal luminal stenosis is an independent prognostic factor in esophageal squamous cell carcinoma.

Chunyan Hu<sup>1</sup>; Yu-Shang Yang<sup>1</sup>; Long-Qi Chen<sup>1</sup>

<sup>1</sup> West China Hospital, Sichuan University, Chengdu, China

**O21 [49]** The effects of bile acids on COX2 expression in rat model of duodeno-esophageal anastomosis.

Naoki Hashimoto<sup>1</sup>

<sup>1</sup> Kinki university, Osaka, Japan

**O22 [44]** Esophageal cancer after distal gastrectomy.

Naoki Hashimoto<sup>1</sup>

<sup>1</sup> Kinki university, Osaka, Japan

**O23 [96]** Identification and validation of lymphovascular invasion as a prognostic and staging factor in node-negative esophageal squamous cell carcinoma.

Jian-Hua Fu<sup>1</sup>; Qing-Yuan Huang<sup>1</sup>

<sup>1</sup> Sun Yat-Sen University Cancer Center, Guangzhou, China

**O24 [285]** High preoperative fasting plasma glucose does not influence postoperative outcome in esophageal squamous cell carcinoma.

Xiaofeng Duan<sup>1</sup>

<sup>1</sup> Tianjin Medical University Institute and Hospital, Tianjin, China

**O25 [166]** Meta-analysis: facial flushing response to alcohol and the risk of esophageal squamous cell carcinoma.

Juliana Andrici<sup>1</sup>; Guy Eslick<sup>1</sup>

<sup>1</sup> University of Sydney, Sydney, Australia

**O26 [60]** IL-6 predicts worse outcomes in esophageal squamous cell carcinoma: a meta-analysis.

Juliana Andrici<sup>1</sup>; Guy Eslick<sup>1</sup>

<sup>1</sup> The University of Sydney, Sydney, Australia

**O27 [7]** Esophagogastric anastomosis: hand sewn single layer vs. stapled? An audit.

Fareed Shaikh<sup>1</sup>; Pal Inam<sup>1</sup>; Raima Rizvi<sup>1</sup>

<sup>1</sup> Aga Khan University Hospital, Karachi, Pakistan

**O28 [188]** Do gastric cancer patients benefit from palliative gastrectomy? A population based SEER analysis from 1998 to 2009.

Sabrina Ebinger<sup>1</sup>; Rene Warschkow<sup>2</sup>; Ignazio Tarantino<sup>3</sup>; Ulrich Güller<sup>2</sup>; Bruno Schmied<sup>2</sup>; Marc Schiesser<sup>2</sup>

<sup>1</sup> Hospital of Thun, Thun, Switzerland; <sup>2</sup> Cantonal Hospital of St. Gallen, St. Gallen, Switzerland; <sup>3</sup> University Hospital of Heidelberg, Heidelberg, Germany

# Session 60

Tuesday, September 1

4:30 – 6:30 pm

Room: Scotto

## Oral Presentations: Multidisciplinary topics (O29-O34)

Chair: **Dmitri Bordin (Russia)**

### Pediatrics

**O29 [28]** Esophageal squamous papillomas among children.

Meltem Ugras<sup>1</sup>; Ozkan Ferda<sup>2</sup>; Yilmaz Gulden<sup>3</sup>

<sup>1</sup> Yeditepe University Medical Center, Pediatric Gastroenterology, Istanbul, Turkey; <sup>2</sup> Yeditepe Univ Medical Faculty Pathology Department, Istanbul, Turkey; <sup>3</sup> Yeditepe Univ Medical Faculty Microbiology Department, Istanbul, Turkey

**O30 [94]** The importance of esophageal and gastric diseases as causes of chest pain in children.

Yong Joo Kim<sup>1</sup>; Nam Su Kim<sup>1</sup>; Jong Myeon Hong<sup>2</sup>

<sup>1</sup> Hanyang University, Seoul, Korea, South; <sup>2</sup> Chungbuk National University, Cheongju, Korea, South

**O31 [171]** Comorbidities in children with gord requiring fundoplication: a market basket analysis.

E.W.M. Coates<sup>1</sup>

<sup>1</sup> University College London, Institute of Child Health, London, United Kingdom

### Physiology

**O32 [328]** The microbiome in oesophageal squamous cell carcinoma.

M. Iqbal Parker<sup>1</sup>

<sup>1</sup> ICGEB, Cape Town, South Africa

**O33 [42]** Esophageal morphometric and biomechanical changes during aging in rats.

Jingbo Zhao<sup>1,2</sup>; Hans Gregersen<sup>2</sup>

<sup>1</sup> Giome Academia, Department of Clinical Medicine, Aarhus University, Aarhus, Denmark; <sup>2</sup> The College of Bioengineering, Chongqing University, Chongqing, China

### ENT

**O34 [90]** Intraoperative ultrasonography for the identification of thoracic recurrent laryngeal nerve lymph nodes in patients with esophageal squamous cell carcinoma.

Hong Yang<sup>1,2</sup>; Jianwei Wang<sup>1</sup>; Peng Lin<sup>1,2</sup>; Anhua Li<sup>1</sup>; Xiaodong Li<sup>1,2</sup>; Jianhua Fu<sup>1,2</sup>

<sup>1</sup> Sun Yat-sen University Cancer Center, Guangzhou, China; <sup>2</sup> Guangdong Esophageal Cancer Institute, Guangzhou, China

# Session 61

Wednesday, September 2  
2:00 – 4:00 pm

Room: Scotto

## Oral Presentations: GERD (O47-O61)

Chair: **Katerina Shetler (USA)**

### O47 [310] Importance of pH metry and esophageal manometry before bariatric surgery.

Nabil GadEl Hak<sup>1</sup>; Ahmed Abdelraouf El-Geidie<sup>1</sup>; Hoda M. El-emshaty<sup>2</sup>; Ayman M. El-Nakeeb<sup>2</sup>; Tarek Salah El-Husseiny<sup>2</sup>; Magdy Haleem<sup>4</sup>  
<sup>1</sup>Prof. of Digestive Surgery, Mansoura, Egypt; <sup>2</sup>Assistance Prof. of Digestive Surgery, Mansoura, Egypt; <sup>3</sup>Assistance Consultant of Biochemistry, Mansoura, Egypt; <sup>4</sup>Medical Analysis Specialist, Mansoura, Egypt

### O48 Postoperative incidence of gastroesophageal reflux in 288 lung transplant patients evaluated with 24 h ph-impedance monitoring.

Oscar M. Crespín<sup>1</sup>; Jonathan Yeung<sup>1</sup>; Maria C. Jimenez<sup>1</sup>; Sangwoo Leem<sup>2</sup>; Linda Miller<sup>1</sup>; Gerald Lebovic<sup>2</sup>; Allan Okrainec<sup>1</sup>; Gail E. Darling<sup>1</sup>; Shaf Keshavjee<sup>1</sup>; Louis WC Liu<sup>1</sup>  
<sup>1</sup>Research and Clinical Fellow in Minimally Invasive Surgery, University Health Network-University of Toronto, Toronto, Ontario, Canada; <sup>2</sup>University of Toronto, Toronto, Ontario, Canada

### O49 [211] Comparison of mucosal damage in the esophageal remnant after esophagectomy and gastric interposition between Chinese and Canadian population.

Yong Yuan<sup>1</sup>; Andre Duranceau<sup>2</sup>; Long-Qi Chen<sup>1</sup>  
<sup>1</sup>West China Hospital of Sichuan University, Chengdu, China; <sup>2</sup>Medical centre of University of Montreal, Montreal, Canada

### O50 [53] African Americans have 1/10 to 1/4th the risk of long segment and short segment Barrett's esophagus compared to non-Hispanic whites.

Kenneth Vega<sup>1</sup>; Ahmad Alkaddour<sup>2</sup>; Carlos Palacio<sup>2</sup>  
<sup>1</sup>Digestive Diseases, Univ. of Oklahoma HSC, Oklahoma City, USA; <sup>2</sup>Medicine, University of Florida - Jacksonville, Jacksonville, USA

### O51 [48] The effect of Helicobacter pylori on gastro-oesophageal reflux in a rural population of South Africa.

Eugene Jamot Ndebia<sup>1</sup>; Alastair Sammon<sup>1</sup>; Ekambaram Umamathy<sup>1</sup>; Jehu Iputo<sup>1</sup>  
<sup>1</sup>Walter Sisulu University, Mthatha, South Africa

### O52 [45] Rabeprazole is effective for bile reflux esophagitis after total gastrectomy in a rat model.

Naoki Hashimoto<sup>1</sup>  
<sup>1</sup>Kinki university, Osaka, Japan

### O53 [120] Various anti-oxidative agents combined with PPI augmented qualified healing of reflux esophagitis or prevented Barrett esophagus.

Ki Baik Hahm<sup>1</sup>; Joo Young Cho<sup>1</sup>; Won Jin Ko<sup>1</sup>; Yong Joon Shin<sup>2</sup>; Sei Jin Youn<sup>3</sup>  
<sup>1</sup>CHA University, Seongnam, Korea, South; <sup>2</sup>Inha University, Incheon, Korea, South; <sup>3</sup>Choongbuk national University, Cheongju, Korea, South

### O54 [122] Antioxidant from garlic, S-allyl cysteine (SAC), as potential remedy of GERD.

Ki Baik Hahm<sup>1</sup>; Joo Young Cho<sup>1</sup>; Don Haeng Lee<sup>2</sup>; Yong Woon Shin<sup>2</sup>; Sei Jin Youn<sup>3</sup>  
<sup>1</sup>CHA University, Seongnam, Korea, South; <sup>2</sup>Inha University, Incheon, Korea, South; <sup>3</sup>Choongbuk national university, Cheongju, Korea, South

### O55 [121] Isopropranol extracts of Artemisia ameliorate reflux esophagitis, H. pylori- or alcohol-associated gastritis through enhanced anti-oxidative and anti-inflammatory activities as well as cytoprotective actions.

Ki Baik Hahm<sup>1</sup>; Joo Young Cho<sup>1</sup>; Won Jin Ko<sup>1</sup>; Yong Woon Shin<sup>2</sup>; Sei Jin Youn<sup>3</sup>  
<sup>1</sup>CHA University, Seongnam, Korea, South; <sup>2</sup>Inha University, Incheon, Korea, South; <sup>3</sup>Choongbuk national University, Cheongju, Korea, South

### O56 [119] Cancer preventive probiotics kimchi; prevention of Helicobacter pylori-associated gastric cancer as well as esophagitis.

Ki Baik Hahm<sup>1</sup>; Joo Young Cho<sup>1</sup>; Yong Woon Shin<sup>2</sup>; Sei Jin Youn<sup>3</sup>  
<sup>1</sup>CHA University, Seongnam, Korea, South; <sup>2</sup>Inha University, Incheon, Korea, South; <sup>3</sup>Choongbuk National University, Cheongju, Korea, South

### O57 [81] HSP70 and phase 2 enzyme response through antioxidants is prerequisite to prevent reflux esophagitis.

Ki Baik Hahm<sup>1</sup>; Sei Jin Youn<sup>2</sup>; Yong Woon Shin<sup>2</sup>; Joo Young Cho<sup>1</sup>  
<sup>1</sup>CHA University, Seongnam, Korea, South; <sup>2</sup>Choongbuk National University, Cheongju, Korea, South; <sup>3</sup>Inha University, Incheon, Korea, South

### O58 [18] Esophageal eosinophilia: a brazilian prospective study of two years.

Augusto Fey<sup>1</sup>; Lorete Kotze<sup>1</sup>  
<sup>1</sup>PUC-Pr, Curitiba, Brazil

### O59 [17] Endoscopic classification of eosinophilic esophagitis.

Augusto Fey<sup>2</sup>; Lorete Kotze<sup>2</sup>  
<sup>2</sup>PUC-Pr, Curitiba, Brazil

### O60 [58] A global perspective of the prevalence of Barrett's esophagus in the population: a meta-analysis and comprehensive systematic review.

Guy Eslick<sup>1</sup>; Laura Holliday<sup>1</sup>; Juliana Andrici<sup>1</sup>  
<sup>1</sup>University of Sydney, Sydney, Australia

### O61 [69] Efficacy of the combination of alginate and PPI in the elimination of GERD symptoms in the first days of treatment.

Dmitry Bordin<sup>1</sup>; Oxana Yanova<sup>1</sup>; Olga Berezina<sup>1</sup>; Elena Treyman<sup>1</sup>; Victoria Kim<sup>1</sup>  
<sup>1</sup>Moscow Clinical Scientific Center, Moscow, Russia

# Session 62

Thursday, September 3  
8:00 – 10:00 am

Room: Scotto

## Oral Presentations: Surgery (1) (O74-O80)

Chair: **Alejandro Nieponice** (Argentina)

**O74 [172]** Short-term outcomes of minimally invasive Ivor-Lewis esophagectomy for esophageal cancer.

Mingran Xie<sup>1</sup>

<sup>1</sup> Anhui provincial hospital, Hefei, China

**O75 [231]** Preserving the pulmonary vagus nerve branches during thoracoscopic esophagectomy.

Teus Weijts<sup>1,2</sup>; Jelle Ruurda<sup>1</sup>; Misha Luyer<sup>2</sup>; Grard Nieuwenhuijzen<sup>2</sup>; Ronald Bleys<sup>1</sup>; Richard van Hillegersberg<sup>1</sup>

<sup>1</sup> University Medical Center Utrecht, Utrecht, Netherlands; <sup>2</sup> Catharina Hospital, Eindhoven, Netherlands

**O76 [195]** Routine jejunostomy tube feeding following esophagectomy.

Teus Weijts<sup>1,2</sup>; Hanneke van Eden<sup>1</sup>; Jelle Ruurda<sup>1</sup>; Misha Luyer<sup>2</sup>; Elles Steenhagen<sup>1</sup>; Grard Nieuwenhuijzen<sup>2</sup>;

Richard van Hillegersberg<sup>1</sup>

<sup>1</sup> University Medical Center Utrecht, Utrecht, Netherlands; <sup>2</sup> Catharina Hospital, Eindhoven, Netherlands

**O77 [274]** Prognosis and treatment after diagnosis of recurrent esophageal carcinoma following esophagectomy with curative intent.

Els Visser<sup>1</sup>

<sup>1</sup> University Medical Center Utrecht, Utrecht, Netherlands

**O78 [57]** Risk factors and consequences of anastomotic leakage after Ivor Lewis esophagectomy.

Elke Van Daele<sup>1</sup>; Piet Pattyn<sup>1</sup>

<sup>1</sup> Department of Gastrointestinal Surgery Ghent University Hospital, Ghent, Belgium

**O79 [95]** The impact of early oral feeding on short term quality of life after thoracoscopic esophagectomy for cancer: interim data from a randomized controlled trial.

Haibo Sun<sup>1</sup>; Yin Li<sup>1</sup>; Xian-Ben Liu<sup>1</sup>; Zong-Fei Wang<sup>1</sup>; Rui-Xiang Zhang<sup>1</sup>; Yan Zheng<sup>1</sup>; Jian-Jun Qin<sup>1</sup>; Xian-Kai Chen<sup>1</sup>; Zhao Wu<sup>1</sup>; Qi Liu<sup>1</sup>

<sup>1</sup> Henan Cancer Hospital (The Affiliated Cancer Hospital of Zhengzhou University), Zhengzhou, China

**O80 [87]** The advantage of robotic-assisted minimally invasive esophagectomy (RAMIE) for esophageal cancer.

Dukhwan Moon<sup>1</sup>; Yong-Hee Kim<sup>2</sup>

<sup>1</sup> Yeungnam University Medical Center, Daegu, Korea, South; <sup>2</sup> Asan Medical Center, Seoul, Korea, South

# Session 63

Thursday, September 3  
10:30 am – 12:30 pm

■ Room: Scotto

## Oral Presentations: Surgery (2) (O81-O90)

Chair: **Naoki Hashimoto (Japan)**

**O81 [240]** Minimally invasive esophagectomy-how I do it.

Nikolai Menashevo<sup>1</sup>; Michael Stein<sup>1</sup>; Hanoch Kashtan<sup>1</sup>

<sup>1</sup>Department of Surgery, Rabin Medical Center, Petah Tikva, Israel

**O82 [32]** Colon interposition for esophageal replacement: a single-center experience with 128 cases reported.

Zhangfan Mao<sup>1</sup>; Jie Huang<sup>1</sup>; Songping Xie<sup>1</sup>; Ganjun Kang<sup>1</sup>; Ping Dong<sup>1</sup>

<sup>1</sup>Renmin Hospital, Wuhan University, Wuhan, China

**O83 [12]** Esophageal reconstruction with remnant stomach and only blood supply from anastomotic stoma.

Zhangfan Mao<sup>1</sup>; Jie Huang<sup>1</sup>; Ganjun Kang<sup>1</sup>; Songping Xie<sup>1</sup>

<sup>1</sup>Renmin Hospital, Wuhan Uni, Wuhan, China

**O84 [114]** Analysis of anastomotic leakages in 1815 surgically treated patients with esophagogastric junction cancer.

You-Sheng Mao<sup>1</sup>; Jie He<sup>1</sup>; Shu-Geng Gao<sup>1</sup>; Ning-Ning Ding<sup>1</sup>; Yi-Kun Yang<sup>1</sup>; Ke-Lin Sun<sup>1</sup>; Gui—Yu Cheng<sup>1</sup>; Ju-Wei Mu<sup>1</sup>; Qi Xue<sup>1</sup>; Da-Li Wang<sup>1</sup>; Jun Zhao<sup>1</sup>

<sup>1</sup>Department of Thoracic Surgical Oncology Cancer Hospital (Institute) Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

**O85 [203]** Clinical outcomes and prognostic factors for patients with esophageal squamous cell carcinoma treated with radical esophagectomy.

Qianwen Liu<sup>1,4,5</sup>; Xudong Wang<sup>2,4,5</sup>; Yong Li<sup>3,4,5</sup>; Hui Yu<sup>1,4,5</sup>; Junye Wang<sup>1,4,5</sup>; Xu Zhang<sup>1,4,5</sup>; Congcong Huang<sup>1,4,5</sup>; Hongwang Chen<sup>1,4,5</sup>; Kuiyuan Liu<sup>1,4,5</sup>; Xin Wang<sup>1,4,5</sup>; Tiehua Rong<sup>1,4,5</sup>

<sup>1</sup>Department of Thoracic Surgery, Sun Yat-sen University Cancer Center, Guangzhou, China; <sup>2</sup>Department of Anesthesiology, Sun Yat-sen University Cancer Center, Guangzhou, China; <sup>3</sup>Department of Pathology, Sun Yat-sen University Cancer Center, Guangzhou, China; <sup>4</sup>State Key Laboratory of Oncology in South China, Guangzhou, China; <sup>5</sup>Collaborative Innovation Center of Cancer Medicine, Guangzhou, China

**O86 [50]** A pared study of tubular or total stomach as an esophageal substitute after esophagectomy for cancer.

Jun Feng Liu<sup>1</sup>; Lu Gao<sup>1</sup>

<sup>1</sup>Department of Thoracic Surgery, Fourth Hospital, Hebei Medical University, China, Shijiazhuang, China

**O87 [64]** A new cervical esophagogastric anastomosis significantly reduces morbidity and improves short term outcome after esophagectomy for cancer.

Yin Li<sup>1</sup>; Hai-Bo Sun<sup>1</sup>; Xian-Ben Liu<sup>1</sup>; Rui-Xiang Zhang<sup>1</sup>; Zong-Fei Wang<sup>1</sup>; Yan Zheng<sup>1</sup>; Jian-Jun Qin<sup>1</sup>; Xian-Kai Chen<sup>1</sup>; Zhao Wu<sup>1</sup>; Qi Liu<sup>1</sup>

<sup>1</sup>Henan Cancer Hospital (The Affiliated Cancer Hospital of Zhengzhou University), Zhengzhou, China

**O88 [67]** Thoracoscopic esophagectomy with colon interposition.

Mikhail Koshkin<sup>1</sup>; Roman Izrailov<sup>1</sup>; Sergey Domrachev<sup>1</sup>; Boris Pomortsev<sup>1</sup>

<sup>1</sup>Moscow Clinical Scientific Centre, Moscow, Russia

**O89 [298]** Is routine three-field lymph node dissection necessary for the treatment of middle thoracic esophageal carcinoma with clinical negative cervical node.

Jae Hyun Jeon<sup>1</sup>; Hee Chul Yang<sup>1</sup>; Moon Soo Kim<sup>1</sup>; Jong Mog Lee<sup>1</sup>

<sup>1</sup>National Cancer Center, Goyang, Korea, South

**O90 [113]** Comparison of survival between minimally invasive and open esophagectomy: a propensity-matched analysis.

Qing-Yuan Huang<sup>1</sup>; Jian-Hua Fu<sup>1</sup>; Kong-Jia Luo<sup>1</sup>; Hong Yang<sup>1</sup>

<sup>1</sup>Sun Yat-Sen University Cancer Center, Guangzhou, China

# Session 64

Thursday, September 3  
2:00 – 4:00 pm

Room: Scotto

## Oral Presentations: Surgery (3) (O91-O101)

Chair: **Qianwen Liu (China)**

### O91 [199] Quality of Life after esosponge-therapy in anastomotic leakages after esophagectomy.

Nils Heits<sup>1</sup>; Benedikt Reichert<sup>1</sup>; Alexander Bernsmeier<sup>1</sup>; Charlotte Hauser<sup>1</sup>; Clemens Schafmayer<sup>1</sup>; Mark Ellrichmann<sup>2</sup>; Bodo Schniewind<sup>3</sup>; Thomas Becker<sup>1</sup>; Jan-Hendrik Egberts<sup>1</sup>

<sup>1</sup>Department of General, Visceral-, Thoracic-, Transplantation- and Pediatric Surgery, UKSH Campus Kiel, Kiel, Germany; <sup>2</sup>Interdisciplinary Endoscopy, Department of Medicine I, Campus Kiel, Kiel, Germany; <sup>3</sup>Department of General Surgery and Thoracic Surgery, Hospital of Lueneburg, Lueneburg, Germany

### O92 [204] Worldwide trends in surgical techniques in the treatment of esophageal and gastro-esophageal junction cancer.

Leonie Haverkamp<sup>1</sup>; Maarten Seesing<sup>1</sup>; Jelle Ruurda<sup>1</sup>; Judith Boone<sup>2</sup>; Richard van Hillegersberg<sup>1</sup>

<sup>1</sup>UMC Utrecht, Utrecht, Netherlands; <sup>2</sup>AMC, Amsterdam, Netherlands

### O93 [222] Aortic calcifications increase the risk for anastomotic leakage after Ivor-Lewis esophagectomy.

Lucas Goense<sup>1,2</sup>; P.S.N. van Rossum<sup>1,2</sup>; T.J. Weijs<sup>1,3</sup>; M.J. van Det<sup>4</sup>; G.A. Nieuwenhuijzen<sup>3</sup>; M.D. Luyer<sup>3</sup>; R. van Hillegersberg<sup>1</sup>; J.P. Ruurda<sup>1</sup>; E.A. Kouwenhoven<sup>4</sup>

<sup>1</sup>Department of Surgery, University Medical Center Utrecht, Utrecht, Netherlands; <sup>2</sup>Department of Radiotherapy, University Medical Center Utrecht, Utrecht, Netherlands; <sup>3</sup>Department of Surgery, Catharina Hospital Eindhoven, Eindhoven, Netherlands; <sup>4</sup>Department of Surgery, Ziekenhuisgroep Twente, Almelo, Netherlands

### O94 [134] Intraoperative and postoperative risk factors for anastomotic leakage and pneumonia after esophagectomy for cancer.

Lucas Goense<sup>1,2</sup>; P.S.N. van Rossum<sup>1,2</sup>; M. Tromp<sup>1</sup>; J.C.A. Joore<sup>3</sup>; D. van Dijk<sup>3</sup>; C.C. Kroese<sup>4</sup>; J.P. Ruurda<sup>1</sup>; R. van Hillegersberg<sup>1</sup>

<sup>1</sup>Department of Surgery, University Medical Center Utrecht, Utrecht, Netherlands; <sup>2</sup>Department of Radiotherapy, University Medical Center Utrecht, Utrecht, Netherlands; <sup>3</sup>Department of Intensive Care Medicine, University Medical Center Utrecht, Utrecht, Netherlands; <sup>4</sup>Department of Anesthesiology, University Medical Center Utrecht, Utrecht, Netherlands

### O95 [241] Early operative results of esophagectomy for cancer in octogenarians.

Yael Feferman<sup>1</sup>; Ran Orgad<sup>1</sup>; Nikolai Menasherov<sup>1</sup>; Michael Stein<sup>1</sup>; Hanoch Kashtan<sup>1</sup>

<sup>1</sup>Department of Surgery, Rabin Medical Center, Petah Tikva, Israel

### O96 [161] Technical aspects and results of full robotic minimal invasive abdomino-thoracic esophagectomy.

Jan-Hendrik Egberts<sup>1</sup>; Nils Heits<sup>1</sup>; Seifert Dana<sup>1</sup>; Hauser Charlotte<sup>1</sup>; Aselmann Heiko<sup>1</sup>; Thomas Becker<sup>1</sup>

<sup>1</sup>University Hospital Schleswig Holstein, Campus Kiel, Kiel, Germany

### O97 [72] Intra-thoracic anastomotic leakage following gastro-esophageal cancer resection is associated with increased risk of recurrence.

Pieter de Heer<sup>1</sup>

<sup>1</sup>Rigshospitalet, Copenhagen, Denmark

### O98 [20] Optimum surgical route and priority of lymph node dissection for Siewert type II adenocarcinoma of the esophagogastric junction: a single center retrospective cohort study.

Long-Qi Chen<sup>1</sup>; Jun Pen<sup>1</sup>; Chunyan Hu<sup>1</sup>

<sup>1</sup>West China Hospital, Sichuan University, Chengdu, Sichuan, China

### O99 [100] Clinical features and risk factors of anastomotic leakage after radical esophagectomy.

Chuangui Chen<sup>1</sup>; Zhentao Yu<sup>1</sup>

<sup>1</sup>Tianjin Medical University Cancer Institute and Hospital, Tianjin, China

### O100 [286] Robot-assisted hiatal hernia repair: promising anatomical and functional results.

Hylke Brenkman<sup>1</sup>; Kevin Parry<sup>1</sup>; Richard van Hillegersberg<sup>1</sup>; Jelle Ruurda<sup>1</sup>

<sup>1</sup>University Medical Center Utrecht, Utrecht, Netherlands

### O101 [219] Endoscopic suture fixation for esophageal leaks: a single center retrospective review.

Ali Ahmed<sup>1</sup>; Neil Parikh<sup>1</sup>; Thiru Muniraj<sup>1</sup>; Hillary Drumm<sup>1</sup>; Thiru Muniraj<sup>1</sup>; Priya Jamidar<sup>1</sup>; James Farrell<sup>1</sup>; Harry Aslanian<sup>1</sup>

<sup>1</sup>Yale School of Medicine, Section of Digestive Diseases, New Haven, USA

# Posters

*By the variety of topics addressed, Posters represent an extremely important addition to the single theme of the Conference.*

*The Jury for Abstracts has carefully evaluated and scored each one, then grouped them together according to subject.*

*This will allow the attendees to easily walk through the exhibit and appreciate the Posters by theme.*

*Please note that, an addition to the traditional exhibit, a computer “**streaming presentation**” of the Posters will be organized during the Congress: this consists of a computer display of up to 5 power point slides prepared by the author(s) to complete a poster with pertinent details or instructive commentaries.*

*Throughout the Congress, the Jury for Abstracts, as well as the attendees, will thus have access, at any time, to the stream presentation of any posters on the program.*

Twenty four Posters will be selected by the Jury, to be given in an oral presentation during two Plenary Sessions scheduled for **Thursday, September 3,**  
**10:30 am – 12:30 pm** and **2:00 – 4:00 pm**

Among all the abstracts submitted (Poster or oral presentation), twelve will be selected.

The authors will be honored at the Gala evening at which time they will receive a diploma. In addition, they will be offered free registration at the time of the OESO 14<sup>th</sup> World Conference in 2017.



**Physiology (P01-P08)****P01 [281] Leg raise increases pressure in lower and upper esophageal sphincters.**

Bitnar Petr<sup>2</sup>; Stovicek Jan<sup>1</sup>; Arit Josef<sup>3</sup>; Kobesová Alena<sup>2</sup>; Hlava Stepan<sup>1</sup>; Mala Sarka<sup>1</sup>

<sup>1</sup>Clinic of Internal Medicine, University Hospital Motol, Prague, Czech Rep.; <sup>2</sup>Department of Rehabilitation and Sports Medicine, University Hospital Motol, Prague, Czech Rep.; <sup>3</sup>Department of Statistics and Probability, Faculty of Informatics and Statistics, University of Economics, Prague, Czech Rep.

**P02 [84] Three-dimensional myoarchitecture of porcine esophago-gastric junction with diffusion tensor imaging.**

Hans Gregersen<sup>1</sup>; Donghua Liao<sup>2</sup>; Jingbo Zhao<sup>2</sup>; Steffen Ringgaard<sup>3</sup>; Peter Agger<sup>4</sup>; Christoffer Laustsen<sup>3</sup>; Hans Stødtkilde-Jørgensen<sup>3</sup>

<sup>1</sup>Giome Center, College of Bioengineering, Chongqing University, Chongqing, China; <sup>2</sup>GIOME academia, Department of Clinical Medicine, Aarhus University, Aarhus, Denmark; <sup>3</sup>MR Center, Department of Clinical Medicine, Aarhus University, Aarhus, Denmark; <sup>4</sup>The Department of Thoracic and Cardiovascular Surgery T, Department of Clinical Medicine, Aarhus University, Aarhus, Denmark

**P03 [25] Effect of DA-9701, a novel prokinetic agent, on postoperative ileus in rats.**

Sang Pyo Lee<sup>1</sup>; Oh Young Lee<sup>2</sup>; Kang Nyeong Lee<sup>2</sup>; Hang Lak Lee<sup>2</sup>; Ho Soon Choi<sup>2</sup>; Byung Chul Yoon<sup>2</sup>; Dae Won Jun<sup>2</sup>

<sup>1</sup>Konkuk University Medical Center, Seoul, Korea, South; <sup>2</sup>Hanyang University College of Medicine, Seoul, Korea, South

**P04 [115] Endoscopic finding of partial exfoliation of esophageal epithelium may be a natural step in the regeneration of esophageal epithelium.**

Tomohiro Kato<sup>1</sup>; Kentaro Kojima<sup>1</sup>; Satoshi Watanabe<sup>1</sup>; Naoki Watanabe<sup>1</sup>; Yusuke Suzuki<sup>1</sup>; Tomio Ogiso<sup>1</sup>; Naofumi Kawade<sup>1</sup>;

Tsuyoshi Mukai<sup>1</sup>; Hideki Hayashi<sup>1</sup>; Akihiko Sugiyama<sup>1</sup>; Yoichi Nishigaki<sup>1</sup>; Eiichi Tomita<sup>1</sup>

<sup>1</sup>Gifu Municipal Hospital, Gifu, Japan

**P05 [102] Laparoscopic fundoplication: new aspects in neural anatomy of the esophagogastric junction.**

Philipp Gehwolf<sup>1</sup>; Oliver Rencz<sup>1</sup>; Brenner Erich<sup>2</sup>; Fritsch Helga<sup>2</sup>; Struller Florian<sup>2</sup>; T. Muehlbacher<sup>2</sup>; J. Stempel<sup>2</sup>; Gabriel Djedovic<sup>2</sup>;

Heinz Wykypiel<sup>1</sup>

<sup>1</sup>Department of Visceral, Transplant and Thoracic Surgery, Medical University Innsbruck, Innsbruck, Austria; <sup>2</sup>Division of Clinical-Functional Anatomy, Department of Anatomy, Histology and Embryology, Medical University Innsbruck, Innsbruck, Austria

**P06 [83] Separation of distension-evoked circular and longitudinal muscle contraction components in the esophago-gastric junction**

Donghua Liao<sup>1</sup>; Christian Lottrup<sup>2</sup>; Barry McMahon<sup>3,4</sup>; Asbjørn Drewes<sup>2</sup>; Hans Gregersen<sup>4,5</sup>

<sup>1</sup>Giome Academia, Department of Medicine, Aarhus University, Aarhus, Denmark; <sup>2</sup>Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg Hospital, Aalborg, Denmark; <sup>3</sup>TAGG Research Center, Tallaght Hospital and Trinity College, Dublin, Ireland; <sup>4</sup>Giome Center, College of Bioengineering, Chongqing University, Chongqing, China; <sup>5</sup>Giome FZE, Ras Al Khaimah, United Arab Emirates

**P07 [201] Opening and distensibility of the esophago-gastric junction in patients with systemic sclerosis: a study with the functional lumen imaging probe.**

Donghua Liao<sup>1</sup>; Lotte Fynne<sup>2</sup>; Christian Lottrup<sup>3</sup>; Hans Gregersen<sup>4</sup>; karin Aksglaede<sup>5</sup>; Niels Bjerregaard<sup>5</sup>; Asbjørn Drewes<sup>3</sup>; Klaus Krogh<sup>2</sup>

<sup>1</sup>GIOME Academia, Department of Medicine, Aarhus University, Aarhus, Denmark; <sup>2</sup>Neurogastroenterology Unit, Department of Hepatology and Gastroenterology, Aarhus University Hospital, Aarhus, Denmark; <sup>3</sup>Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg University Hospital, Aalborg, Denmark; <sup>4</sup>GIOME, College of Bioengineering, Chongqing University, Chongqing, China; <sup>5</sup>Department of Gastrointestinal Surgery L, Aarhus University, Aarhus, Denmark

**P08 [154] Co-localization of alpha 9 - beta 4 nicotinic receptors on axons innervating gastric clasp and sling fibers in Barrett's esophagus but not non-GERD gastric smooth muscle.**

Michael R Ruggieri<sup>1</sup>; Larry S. Miller<sup>2</sup>; Anil K Vegesna<sup>2</sup>; Alan S Braverman<sup>1</sup>; Mary F Barbe<sup>1</sup>

<sup>1</sup>Temple University School of Medicine, Philadelphia, USA; <sup>2</sup>North Shore LIJ Health System, New Hyde Park, USA

**GERD – EoE (P09-P26)****P09 [34] Selected elements of lifestyle and the risk of developing gastroesophageal reflux disease in Poland.**

Mirosław Jarosz<sup>1</sup>; Anna Taraszewska<sup>1</sup>; Julita Perczynska<sup>1</sup>

<sup>1</sup>National Food And Nutrition Institute, Warsaw, Poland; <sup>2</sup>National Food And Nutrition Institute, Warsaw, Poland; <sup>3</sup>National Food And Nutrition Institute, Warsaw, Poland

**P10 [151] Risk factors for reflux esophagitis - Are Bisphosphonate and Statin associated?**

Daisuke Asaoka<sup>1</sup>; Nagahara Akihito<sup>1</sup>; Shimada Yuji<sup>1</sup>; Matsumoto Kenshi<sup>1</sup>; Ueyama Hiroya<sup>1</sup>; Matsumoto Kouhei<sup>1</sup>; Takeda Tsutomu<sup>1</sup>;

Osada Taro<sup>1</sup>; Hojo Mariko<sup>1</sup>; Watanabe Sumio<sup>1</sup>

<sup>1</sup>Department of Gastroenterology, University of Juntendo, School of Medicine, Tokyo, Japan

**P11 [185] The association between sarcopenia and erosive esophagitis.**

Myong Ki Baeg<sup>1</sup>; Myung-Gyu Choi<sup>1</sup>; Sun-Hye Ko<sup>1</sup>; Chul-Hyun Lim<sup>1</sup>; Kim Jin Su<sup>1</sup>; Yu Kyung Cho<sup>1</sup>; Jae Myung Park<sup>1</sup>; Young-Seok Cho<sup>1</sup>;

Bo-In Lee<sup>1</sup>; In-Seok Lee<sup>1</sup>

<sup>1</sup>The Catholic University of Korea, College of Medicine, Seoul, Korea, South

**P12 [11] Belching during gastroscopy and its association with gastroesophageal reflux disease.**

Lee Ban Seok<sup>1</sup>; Lee Sang Hyub<sup>1</sup>; Jang Dong Kee<sup>1</sup>; Chung Kwang Hyun<sup>1</sup>; Cha Byung Hyo<sup>2</sup>; Ryu Ji Kon<sup>1</sup>; Kim Yong-Tae<sup>1</sup>

<sup>1</sup>Department of Internal Medicine and Liver Research Institute, Seoul National University College of Medicine, Seoul National University Hospital, Seoul, Korea, South; <sup>2</sup>Digestive Disease Center and Department of Internal Medicine, Cheju Halla General Hospital, Jeju, Korea, South

**P13 [316] Clinical and pH study characteristics in GERD patients with and without ineffective esophageal motility (IEM).**

Tandon Apurva<sup>1</sup>; Shetter Katerina<sup>2</sup>; Triadafilopoulos George<sup>1,3</sup>

<sup>1</sup>Silicon Valley Gastroenterology, Mountain View, USA; <sup>2</sup>Palo Alto Medical Foundation, Mountain View, USA; <sup>3</sup>Stanford University, Stanford, USA

**P14 [214] Clinical and high resolution manometry data support the hypothesis that proton pump inhibitor-responsive esophageal eosinophilia represent a gerd-related phenomenon.**

Edoardo Savarino<sup>1</sup>; Ottavia Bartolo<sup>1</sup>

<sup>1</sup>Department of Gastroenterology, Padua, Italy

**P15 [280] Is the impedance baseline helpful in the evaluation of globus patients?**

Se Hwan Park<sup>1</sup>; Myong Ki Baeg<sup>1</sup>; Myung-Gyu Choi<sup>1</sup>; Yu Kyung Cho<sup>1</sup>; Yeon Joo Chun<sup>1</sup>

<sup>1</sup>The Catholic University of Korea, College of Medicine, Seoul, Korea, South

**P16 [144] Therapeutic success in patients with chronic unexplained cough could be predicted using GERD parameters. on impedance-pH monitoring**

Georgios Karamanolis<sup>1</sup>; Dimitrios Kamberoglou<sup>1</sup>; Konstantinos Denaxas<sup>1</sup>; Ladas Spiros<sup>1</sup>

<sup>1</sup>Academic Gastroenterology Department, Athens, Greece

**P17 [35] Is there any correlation between gastroesophageal reflux disease and atrial fibrillation?**

Hwang Jae Jin<sup>1</sup>; Lee Dong Ho<sup>1</sup>; Yoon Hyuk<sup>1</sup>; Shin Cheol Min<sup>1</sup>; Park Young Soo<sup>1</sup>; Kim Nayoung<sup>1</sup>  
<sup>1</sup>Seoul National University Bundang Hospital, Seongnam, Korea, South

**P18 [117] The relationship between helicobacter pylori infection and de novo gastroesophageal reflux disease (GERD): Is GERD correlated with eradication result?**

Byungkyu Ahn<sup>1</sup>; Dong Ho Lee<sup>1,2</sup>; Jae Jin Hwang<sup>1</sup>; Hyuk Yoon<sup>1</sup>; Young Soo Park<sup>1</sup>; Nayoung Kim<sup>1,2</sup>  
<sup>1</sup>Internal Medicine, Seoul National University Bundang Hospital, Seongnam, Korea, South; <sup>2</sup>Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea, South

**P19 [36] The relationship between helicobacter pylori infection and de novo gastroesophageal reflux disease.**

Chang Min Lee<sup>1</sup>; Dong Ho Lee<sup>1</sup>; Jae Jin Hwang<sup>1</sup>; Yoon Hyuk<sup>1</sup>; Kim Nayoung<sup>1</sup>  
<sup>1</sup>Seoul National University Bundang Hospital, Bundang-gu, Seongnam, Gyeonggi-do, Korea, South

**P20 [131] Long term proton pump inhibitor treatment does not affect incidence of irritable bowel syndrome.**

Byung Chul Yoon<sup>1</sup>; Ho Soon Choi<sup>1</sup>; Kang Won Lee<sup>1</sup>; Young Taek Kim<sup>1</sup>; Oh Young Lee<sup>1</sup>  
<sup>1</sup>Hanyang University School of Medicine, Seoul, Korea, South

**P21 [118] A Comparison of standard-dose and low-dose PPI in treatment response of gastroesophageal reflux disease with extraesophageal manifestations.**

Byungkyu Ahn<sup>1</sup>; Dong Ho Lee<sup>1,2</sup>; Jae Jin Hwang<sup>1</sup>; Hyuk Yoon<sup>1</sup>; Cheol Min Shin<sup>1</sup>; Young Soo Park<sup>1</sup>; Nayoung Kim<sup>1,2</sup>  
<sup>1</sup>Internal Medicine, Seoul National University Bundang Hospital, Seongnam, Korea, South; <sup>2</sup>Liver Research Institute, Seoul National University College of Medicine, Seoul, Korea, South

**P22 [142] The impact of depression and somatization on PPI response in patient with gastroesophageal reflux disease.**

Kim Yong Sung<sup>1,3</sup>; Sung Hye Young<sup>1</sup>; Jahng Jaehoon<sup>1</sup>; Oh Jung Taek<sup>2</sup>  
<sup>1</sup>Wonkwang University Sanbon Hospital, Gunpo, Korea, South; <sup>2</sup>Gunsan Medical Center, Gunsan, Korea, South; <sup>3</sup>Wonkwang Digestive Disease Research Institute, Iksan, Korea, South

**P23 [89] Treatment outcome and its associated factors in patients with gastroesophageal reflux disease: a prospective, multicenter, observational study.**

Yang Won Min<sup>1</sup>; Byung Chul Yoon<sup>2</sup>; Jae J Kim<sup>1</sup>; Poong-Lyul Rhee<sup>1</sup>  
<sup>1</sup>Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, South; <sup>2</sup>Departments of Internal Medicine, Hanyang University College of Medicine, Seoul, Korea, South

**P24 [138] The application of fast track surgery to the perioperative period of esophageal hiatal hernia.**

Cui Youbin<sup>1</sup>; Zhang Zhenhua<sup>1</sup>; Li Yang<sup>1</sup>; Xin Yanzhong<sup>1</sup>  
<sup>1</sup>The First Hospital of Jilin University, Changchun, China

**P25 [149] Different approaches for redo antireflux surgery: robot-assisted minimal invasive abdominal route versus the open thoracic approach.**

Robert Tolboom<sup>1,2</sup>; Mark Meyers<sup>2</sup>; Werner Draaisma<sup>1</sup>; Farid Gharagozloo<sup>2</sup>; Ivo Broeders<sup>1</sup>  
<sup>1</sup>Meander Medical Center, Amersfoort, Netherlands; <sup>2</sup>University of Arizona Medical Center, Tucson, AZ, USA

**P26 [223] Eosinophilic esophagitis: treatment by intramuscular corticosteroid injection with single dose. A Brazilian experience.**

Augusto Fey<sup>1</sup>; Lorete Kotze<sup>1</sup>  
<sup>1</sup>PUC-Pr, Curitiba, Brazil

**Barrett's esophagus (P27-P33)**

**P27 [189] Excess body weight, dietary factors and tobacco smoking as risk factors of Barrett's esophagus.**

Mirosław Jarosz<sup>1</sup>; Sylwia Gugala-Mirosz<sup>1</sup>  
<sup>1</sup>Clinic of Metabolic Diseases and Gastroenterology of the National Food and Nutrition Institute, Warsaw, Poland

**P28 [271] Esophageal acid clearance is shorter in patients with Barrett's esophagus during random swallowing.**

Christian Lottrup<sup>1</sup>; Anne Lund Krarup<sup>1,2</sup>; Hans Gregersen<sup>2</sup>; Per Ejstrud<sup>4</sup>; Asbjørn Mohr Drewes<sup>1</sup>  
<sup>1</sup>Mech-Sense, Department of Gastroenterology and Hepatology, Aalborg University Hospital, Aalborg, Denmark; <sup>2</sup>Department of Medicine, Randers Hospital, Randers, Denmark; <sup>3</sup>GIOME and the Key Laboratory for Biorheological Science and Technology of Ministry of Education, Bioengineering College of Chongqing University, Chongqing, China; <sup>4</sup>Department of Surgery, Aalborg University Hospital, Aalborg, Denmark

**P29 [187] Can proton pump inhibitors diminish length of Barrett's esophagus?**

Zaim Gashi<sup>1</sup>; Ljube Ivkovski<sup>1</sup>; Ragip Shabani<sup>1</sup>; Arjeta Gashi<sup>1</sup>; Argjira Juniku-Shkololli<sup>1</sup>; Sadik Zekaj<sup>1</sup>  
<sup>1</sup>University Clinical Center of Kosovo, Prishtina, Albania

**P30 [326] From Barrett's esophagus to esophageal adenocarcinoma. Identification of prognostic factors in a South Eastern European population.**

Dimitrios Dimitroulopoulos<sup>1</sup>; Dimitrios Kypreos<sup>1</sup>; Hatzinikolaou Matina<sup>1</sup>; Stavrinidis Stavros<sup>1</sup>; Malahias Apostolos<sup>1</sup>; Saribegioglou Nikos<sup>1</sup>; Theodoropoulos Loukas<sup>1</sup>; Tsamakidis Klisthenis<sup>1</sup>; Xinopoulos Dimitrios<sup>1</sup>  
<sup>1</sup>"Agios Savvas" Cancer Hospital, Athens, Greece

**P31 [321] Hybrid argon plasma coagulation (Hybrid APC) for endoscopic ablation of Barrett's esophagus: the first experience in tertiary referral center.**

Sergey Kashin<sup>1</sup>; Roman Kuvaev<sup>1</sup>; Alexander Nadezhin<sup>1</sup>; Ekaterina Krainova<sup>1</sup>; Natalya Nekhaykova<sup>1</sup>; Vitaly Goncharov<sup>1</sup>  
<sup>1</sup>Yaroslavl Regional Cancer Hospital, Yaroslavl, Russia

**P32 [284] Endoscopic therapy versus surveillance for patients with Barrett's esophagus and low-grade dysplasia: prospective multicenter trial.**

Michal Voska<sup>1</sup>; Ondrej Majek<sup>2</sup>; Ondrej Ngo<sup>2</sup>; Jana Krajciová<sup>3</sup>; Jan Gregar<sup>4</sup>; Premysl Falt<sup>5</sup>; Jan Martinek<sup>3</sup>; Vaclav Prochazka<sup>4</sup>; Julius Spicak<sup>3</sup>; Miroslav Zavoral<sup>1</sup>; Stepan Suchanek<sup>1</sup>  
<sup>1</sup>Department of Internal medicine, <sup>2</sup>Faculty of Medicine, Charles University, Military University Hospital, Prague, Czech Rep.; <sup>3</sup>Institute of Biostatistics and Analyses, Masaryk University, Brno, Czech Rep.; <sup>4</sup>Department of Hepatogastroenterology, Institute for Clinical and Experimental Medicine, Prague, Czech Rep.; <sup>5</sup>Department of Internal Medicine II – Gastroenterology and Hepatology, University Hospital, Olomouc, Czech Rep.; <sup>6</sup>Department of Gastroenterology, Vitkovice Hospital, Ostrava, Czech Rep.

**P33 [97] The treatment strategy of superficial Barrett's esophageal cancer(SBEC).**

Yuichiro Kume<sup>1</sup>; Kawada Kenro<sup>1</sup>; Nakajima Yutaka<sup>1</sup>; Kawano Tatsuyuki<sup>1</sup>  
<sup>1</sup>The Department of Esophageal and General Surgery, Tokyo Medical and Dental University, Tokyo, Japan

**Motility (P34-37)**

**P34 [126] Clinical features and long-term treatment results of nutcracker esophagus – single center experience.**

Sam Ryong Jee<sup>1</sup>; Jin Won Hwang<sup>1</sup>; Ji Hyun Kim<sup>1</sup>; Sang Heon Lee<sup>1</sup>; Sang Yong Seol<sup>1</sup>

<sup>1</sup>Inje University Busan Paik Hospital, Busan, Korea, South

**P35 [292] Retrospective analysis of achalasia subtypes in an african cohort.**

Jane Elizabeth Christie Botha<sup>1</sup>; Sabelo Hlatshwayo<sup>1</sup>; Sandie Thomson<sup>1</sup>; Philippus Bornman<sup>1</sup>; Christo van Rensburg<sup>2</sup>

<sup>1</sup>University of Cape Town, Cape Town, South Africa; <sup>2</sup>University of Stellenbosch, Stellenbosch, South Africa

**P36 [124] The findings of endoscopic ultrasonography in patients who underwent peroral endoscopic myotomy.**

Su Jin Hong<sup>1</sup>; Jae Pil Han<sup>1</sup>; Jong Ho Moon<sup>1</sup>

<sup>1</sup>Digestive Disease Center and Research Institute, Department of Internal Medicine, Soonchunhyang University College of Medicine, Bucheon, Korea, South

**P37 [193] Maximizing results of esophagectomy for advanced achalasia.**

Valter Nilton Felix<sup>1</sup>; Ioshiaki Yogi<sup>1</sup>; Carlos Eduardo Nascimento Martins<sup>1</sup>; Eduardo Messias Hirano Padrão<sup>1</sup>;

André Giardino Moreira da Silva<sup>1</sup>; Kauy Victor Martinez Faria<sup>1</sup>

<sup>1</sup>Nucleus of General and Specialized Surgery, São Paulo, Brazil

**ENT (P38-P39)**

**P38 [116] Patients with chronic rhinosinusitis and simultaneous bronchial asthma suffer from significant extraesophageal reflux.**

Karol Zelenik<sup>1,2</sup>; Petr Matoušek<sup>1,2</sup>; Martin Formanek<sup>1,2</sup>; Pavel Kominek<sup>1,2</sup>

<sup>1</sup>Department of Otorhinolaryngology and Head and Neck Surgery, University Hospital Ostrava, Ostrava, Czech Rep.; <sup>2</sup>Faculty of Medicine, University of Ostrava, Ostrava, Czech Rep.

**P39 [194] Surgical treatment of cricopharyngeal spasm.**

Valter Nilton Felix<sup>1</sup>; Ioshiaki Yogi<sup>1</sup>; Carlos Eduardo Nascimento Martins<sup>1</sup>; Eduardo Messias Hirano Padrão<sup>1</sup>;

André Giardino Moreira da Silva<sup>1</sup>; Kauy Victor Martinez Faria<sup>1</sup>

<sup>1</sup>Nucleus of General and Specialized Surgery, São Paulo, Brazil

**ESCC (P40-P54)**

**P40 [227] The truth-telling of cancer diagnosis to the newly diagnosed patients in China.**

Lian Qun Zhang<sup>1</sup>; Xin Song<sup>1</sup>; Xue Ke Zhao<sup>1</sup>; Tang Juan Zhang<sup>1</sup>; Pei Nan Chen<sup>1</sup>; Hai Ling Wang<sup>1</sup>; Li Sun<sup>1</sup>; Wei Li Han<sup>1</sup>; Ling Fen Ji<sup>1</sup>;

Zong Min Fan<sup>1</sup>; Min Jie Wu<sup>1</sup>; Li Dong Wang<sup>1</sup>

<sup>1</sup>Henan Key Laboratory for Esophageal Cancer Research, The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China

**P41 [31] Dietary components and risk of total, cancer and cardiovascular disease mortality in the Linxian nutrition intervention trials cohort in China.**

Jinhu Fan<sup>1</sup>; Jianbing Wang<sup>1,2,3</sup>; Sanford M Dawsey<sup>2</sup>; Rashmi Sinha<sup>2</sup>; Neal D Freedman<sup>2</sup>; Philip R Taylor<sup>4</sup>; Youlin Qiao<sup>1</sup>;

Christian C Abnet<sup>2</sup>

<sup>1</sup>Department of Cancer Epidemiology, Cancer Institute/Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China;

<sup>2</sup>Nutritional Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Rockville, USA; <sup>3</sup>Department of Epidemiology and Health Statistics, School of Public Health, Zhejiang University, Hangzhou, China; <sup>4</sup>Genetic Epidemiology Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Rockville, USA

**P42 [186] An analysis of high incidence areas of esophageal cancer. High risk population esophageal cancer and precancerous lesions detection rate in China.**

Song Guohui<sup>1</sup>; Li Dong-fang<sup>1</sup>; Wei Wen-qiang<sup>2</sup>; Qiao You-lin<sup>2</sup>

<sup>1</sup>Cixian Institute for Cancer Prevention and Control, Cixian, China; <sup>2</sup>Cancer Institute/Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China

**P43 [233] Association between leptin overexpression, adiponectin downregulation and lymph node involvement in esophageal squamous cell carcinoma.**

Xiaofeng Duan<sup>1</sup>

<sup>1</sup>Tianjin Medical University Cancer Institute and Hospital, Tianjin, China

**P44 [111] Quantitative estimation of estrogen receptor alpha and beta in esophagus cancer tissue.**

Evgeny Dudko<sup>1</sup>; Iva Vorobyeva<sup>1</sup>; Elena Shestakova<sup>1</sup>; Tatiana Bogush<sup>1</sup>; Boris Polotsky<sup>1</sup>; Mikhail Davydov<sup>1</sup>

<sup>1</sup>N.N. Blokhin Russian Oncological Science Center, Moscow, Russia

**P45 [6] Expression profile of miRNAs in esophageal squamous cell carcinoma tissue.**

Fen Liu<sup>1,2</sup>; Wenqiang Wei<sup>3</sup>; Xinqing Li<sup>3</sup>; Youlin Qiao<sup>3</sup>; Yan He<sup>1,2</sup>; Yanchun Zhai<sup>1,2</sup>; Dian He<sup>1,2</sup>

<sup>1</sup>Department of Epidemiology and Health Statistics, School of Public Health, Capital Medical University, Beijing, China; <sup>2</sup>Beijing Municipal Key Laboratory of Clinical Epidemiology, Beijing, China; <sup>3</sup>Department of Cancer Epidemiology, Cancer Institute, Peking Union Medical College, Chinese Academy of Medical Science, Beijing, China

**P46 [158] Personalized targeted therapy for esophageal squamous cell carcinoma.**

Xiaozheng Kang<sup>1</sup>; Keneng Chen<sup>1</sup>; Yicheng Li<sup>2</sup>; Jianying Li<sup>3</sup>; Thomas D'Amico<sup>4</sup>; Xiaoxin Chen<sup>2,5</sup>

<sup>1</sup>Beijing Cancer Hospital, Beijing, China; <sup>2</sup>North Carolina Central University, Durham, USA; <sup>3</sup>Euclados Bioinformatics Solutions, Durham, USA; <sup>4</sup>Duke University Medical Center, Durham, USA; <sup>5</sup>University of North Carolina at Chapel Hill, Chapel Hill, USA

**P47 [162] Multicolor fluorescence in situ hybridization (M-FISH) combined with cyto-morphology for detection of chromosome alterations in exfoliated cells from esophageal squamous cell carcinoma.**

Qin-Jing Pan<sup>1</sup>; Xun Zhang<sup>1</sup>; Wen Chen<sup>2</sup>; Huan Zhao<sup>1</sup>

<sup>1</sup>Department of pathology, Cancer Institute and Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China;

<sup>2</sup>Department of Epidemiology, Cancer Institute and Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

**P48 [137] Study on the expression and correlation of TMEM16A,PERK1/2,STAT3 in esophageal squamous cell carcinoma and their significances.**

Cui Youbin<sup>1</sup>; WANG Wei<sup>1</sup>; Li Yang<sup>1</sup>; Lu Tianyu<sup>1</sup>

<sup>1</sup>The first hospital of Jilin University, Changchun, China

**P49 [235] Neoadjuvant chemoradiotherapy for resectable esophageal cancer: an in-depth study of randomized controlled trials and literature review.**

Xiaofeng Duan<sup>1</sup>

<sup>1</sup>Tianjin Medical University Cancer Institute and Hospital, Tianjin, China

**P50 [22] Prospects in pre-operative staging of esophageal cancer. An update.**

Dmitry Rusanov<sup>1</sup>; Konstantin Pavelets<sup>1</sup>; Mikhail Pavelets<sup>1</sup>; Mikhail Protchekov<sup>1</sup>; Maria Antipova<sup>1</sup>; Konstantin Medvedev<sup>1</sup>; Alexandr Loyt<sup>1</sup>  
<sup>1</sup>State Pediatric Medical University, Saint-Petersburg, Russia

**P51 [200] The prognostic value of total lesion glycolysis via 18F-fluorodeoxyglucose PET-CT in surgically treated esophageal squamous cell carcinoma.**

Seong Yong Park<sup>1</sup>; Su Jin Lee<sup>2</sup>; Joon Kee Yoon<sup>2</sup>  
<sup>1</sup>Department of Thoracic and Cardiovascular Surgery, Ajou University School of Medicine, Suwon, Korea, South; <sup>2</sup>Department of Nuclear Medicine, Ajou University School of Medicine, Suwon, Korea, South

**P52 [266] Characteristics and prognostic value of early lymph node metastasis for thoracic esophageal squamous cell carcinoma.**

Peng Tang<sup>1</sup>  
<sup>1</sup>Tianjin Medical University Cancer Institute and Hospital, Tianjin, China

**P53 [237] Evaluation on curative resection of multiple cancer with esophageal and hepatocellular carcinomas.**

Hisashi Nakayama<sup>1</sup>; Tadatoshi Takayama<sup>1</sup>  
<sup>1</sup>Department of Digestive Surgery, Nihon University School of Medicine, Tokyo, Japan

**P54 [278] The female patients with esophageal squamous cell carcinoma have a dramatic prolonged survival than male patients in Northern China.**

Xin Song<sup>1</sup>; Fu You Zhou<sup>1,2</sup>; Xue Ke Zhao<sup>1</sup>; Tang Juan Zhang<sup>1</sup>; Bei Li<sup>1</sup>; Wei Li Han<sup>1</sup>; Xue Na Han<sup>1</sup>; Ling Fen Ji<sup>1</sup>; Shuang Lv<sup>1</sup>; Xue Min Li<sup>1,3</sup>; Zong Min Fan<sup>1</sup>; Min Jie Wu<sup>1</sup>; Shou Jia Hu<sup>1</sup>; Ji Lin Li<sup>1,4</sup>; Dan Feng Du<sup>1</sup>; Xiang Yang Zhang<sup>1</sup>; Ran Wang<sup>1</sup>; Sa Tang<sup>1</sup>; Guo Yuan<sup>1</sup>; Yan Yan Yin<sup>1</sup>; Teng Ma<sup>1</sup>; Li Dong Wang<sup>1</sup>  
<sup>1</sup>Henan Key Laboratory for Esophageal Cancer Research, The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China; <sup>2</sup>Department of Thoracic Surgery and Tumor Prevention Treatment, Anyang Tumor Hospital, Anyang, China; <sup>3</sup>Department of Pathology and Thoracic Surgery, Centre for Health Screening and Endoscopy, Cixian Hospital, Cixian, China; <sup>4</sup>Department of Pathology and Thoracic Surgery, Linzhou Esophageal Cancer Hospital, Linzhou, China

**Adenocarcinomas – Stomach (P55-P59)**

**P55 [190] Can awareness campaigns decrease oesophageal adenocarcinoma (OAC)?**

Christine Cavalli<sup>1</sup>; Anthony Watson<sup>1</sup>; Alan Moss<sup>2</sup>  
<sup>1</sup>UKBOR, UCL Division of Surgery and Interventional Science, Royal Free Hospital, London, United Kingdom; <sup>2</sup>AAH, Orpington, United Kingdom

**P56 [275] Prevalence of the anastomotic adenocarcinoma and precancerous lesions after esophagectomy in patients with primary esophageal squamous cell carcinoma in China.**

Li Dong Wang<sup>1</sup>; Xue Ke Zhao<sup>1</sup>; Xin Song<sup>1</sup>; Tang Juan Zhang<sup>1</sup>; Wei Li Han<sup>1</sup>; Ling Fen Ji<sup>1</sup>; Shuang Lv<sup>1</sup>; Fu You Zhou<sup>1,2</sup>; Xue Min Li<sup>1,3</sup>; Zong Min Fan<sup>1</sup>; Min Jie Wu<sup>1</sup>; Shou Jia Hu<sup>1</sup>; Ji Lin Li<sup>1,4</sup>; Dan Feng Du<sup>1</sup>; Xiang Yang Zhang<sup>1</sup>  
<sup>1</sup>Henan Key Laboratory for Esophageal Cancer Research, The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China; <sup>2</sup>Department of Thoracic Surgery and Tumor Prevention Treatment, Anyang Tumor Hospital, Anyang, China; <sup>3</sup>Department of Pathology and Thoracic Surgery, Centre for Health Screening and Endoscopy, Cixian Hospital, Cixian, China; <sup>4</sup>Department of Pathology and Thoracic Surgery, Linzhou Esophageal Cancer Hospital, Linzhou, China

**P57 [269] Detection of micrometastasis in the early stage of gastric adenocarcinoma.**

Yunju Jo<sup>1</sup>; Jeong Hoon Ha<sup>1</sup>; Sang Woo Jo<sup>1</sup>; Eun Kyung Kim<sup>1</sup>  
<sup>1</sup>Eulji University School of Medicine, Seoul, Korea, South

**P58 [123] The risk of lymph node metastasis for mixed adenocarcinoma in early gastric cancer.**

Su Jin Hong<sup>1</sup>; Jae Pil Han<sup>1</sup>; Hee Kyoung Kim<sup>2</sup>; Gui Ae Jeong<sup>3</sup>; Gyu Seok Cho<sup>3</sup>; Jong Ho Moon<sup>1</sup>  
<sup>1</sup>Digestive Disease Center and Research Institute, Department of Internal Medicine, Soonchunhyang University College of Medicine, Bucheon, Korea, South; <sup>2</sup>Department of Pathology, Soonchunhyang University College of Medicine, Bucheon, Korea, South; <sup>3</sup>Department of Surgery, Soonchunhyang University College of Medicine, Bucheon, Korea, South

**P59 [101] Clinical outcomes in patients with gastric adenocarcinoma presenting with upper gastrointestinal bleeding initially.**

Eun Hee Kim<sup>1</sup>; Yun Duk Jung<sup>1</sup>; Sooa Choi<sup>1</sup>; Hea Jung Sung<sup>1</sup>; Eun Jung Jeon<sup>2</sup>; Woo Chul Chung<sup>1</sup>  
<sup>1</sup>The Catholic Univ. of Korea St. Vincent's Hospital, Suwon, Korea, South; <sup>2</sup>The Catholic Univ. of Korea St. Paul's Hospital, Seoul, Korea, South

**Endoscopy (P60-P64)**

**P60 [106] The value of upper gastrointestinal endoscope in the diagnosis of multiple primary hypopharyngeal cancer and esophageal cancer.**

Rui Zhao<sup>1</sup>; Yu Bao<sup>1</sup>; Ling Xiao Zhou<sup>1</sup>; Jie Huang<sup>1</sup>  
<sup>1</sup>Sichuan cancer hospital, chengdu, China

**P61 [59] Efficacy of the double inverted Y-shaped airway covered stent therapy for thoraco-stomach-right main bronchus fistula.**

Li Zong-Ming<sup>1</sup>; Han Xin-Wei<sup>1</sup>; Jiao De-Chao<sup>1</sup>  
<sup>1</sup>The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China

**P62 [173] Usefulness of portable disposable ultrathin endoscope demonstrated through percutaneous endoscopic gastrostomy.**

Myong Ki Baeg<sup>1</sup>; Chul-Hyun Lim<sup>1</sup>; Jin Su Kim<sup>1</sup>; Yu Kyung Cho<sup>1</sup>; Jae Myung Park<sup>1</sup>; Bo-In Lee<sup>1</sup>; Young-Seok Cho<sup>1</sup>; In-Seok Lee<sup>1</sup>; Myung-Gyu Choi<sup>1</sup>  
<sup>1</sup>The Catholic University of Korea, College of Medicine, Seoul, Korea, South

**P63 [192] Removal of a "huge" foreign object using esophagogastroduodenoscopy combined with a curved laryngoscope.**

Masafumi Okuda<sup>1</sup>; Kenro Kawada<sup>1</sup>; Toshihiro Matsui<sup>1</sup>; Yuichiro Kume<sup>1</sup>; Yutaka Nakajima<sup>1</sup>; Naoto Fujiwara<sup>1</sup>; Takuya Okada<sup>1</sup>; Akihiro Hoshino<sup>1</sup>; Takuma Chiba<sup>1</sup>; Yutaka Tokairin<sup>1</sup>; Yasuaki Nakajima<sup>1</sup>; Tatsuyuki Kawano<sup>1</sup>  
<sup>1</sup>Tokyo Medical and Dental University Department of Esophageal Surgery, Tokyo, Japan

**P64 [93] Clinical outcome of endoscopic management for duodenal Dieulafoy's lesions: endoscopic band ligation versus endoscopic hemoclip placement.**

Young-Seok Cho<sup>1</sup>; Jeong-Seon Ji<sup>2</sup>; Jeong Seop Moon<sup>3</sup>  
<sup>1</sup>Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea, South; <sup>2</sup>Incheon St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Incheon, Korea, South; <sup>3</sup>Seoul Paik Hospital, College of Medicine, Inje University, Seoul, Korea, South

**Endoscopic Treatments (P65-P69)**

**P65 [165]** Five cases of squamous cell carcinoma arising from esophageal diverticula treated with argon plasma coagulation.  
Yutaka Nakajima<sup>1</sup>; Kenro Kawada<sup>1</sup>; Toshihiro Matsui<sup>1</sup>; Yuichiro Kume<sup>1</sup>; Masafumi Okuda<sup>1</sup>; Naoto Fujiwara<sup>1</sup>; Takuya Okada<sup>1</sup>; Akihiro Hoshino<sup>1</sup>; Takuma Chiba<sup>1</sup>; Yutaka Tokairin<sup>1</sup>; Yasuaki Nakajima<sup>1</sup>; Tatsuyuki Kawano<sup>1</sup>

<sup>1</sup> Tokyo Medical and Dental University, Tokyo, Japan

**P66 [143]** Persistent or recurrent intestinal metaplasia in patients with normal neo-Z-line after RFA is not a risk factor for recurrence of neoplasia.

Jana Krájčiová<sup>1</sup>; Jana Malusková<sup>1</sup>; Marek Kollar<sup>1</sup>; Julius Spicak<sup>1</sup>; Magdalena Stefanová<sup>2</sup>; Jan Martinek<sup>1</sup>

<sup>1</sup>Institute for Clinical and Experimental Medicine, Prague, Czech Rep.; <sup>2</sup>Hospital Na Frantisku, Prague, Czech Rep.

**P67 [175]** Treatment strategy after endoscopic resection of superficial esophageal squamous cell carcinoma; a single institution experience.

Yong Chan Lee<sup>1</sup>; Hyun Jik Lee<sup>1</sup>; Jun Chul Park<sup>1</sup>; Sung Kwan Shin<sup>1</sup>; Hyun Soo Chung<sup>1</sup>; Sang Kil Lee<sup>1</sup>

<sup>1</sup>Department of Internal Medicine, Institute of Gastroenterology, Yonsei University College of Medicine, Seoul, Korea, South

**P68 [70]** Salvage endoscopic submucosal dissection in patients with local failure after chemoradiotherapy for esophageal squamous cell carcinoma.

Kenro Kawano<sup>1</sup>; Tatsuyuki Kawano<sup>1</sup>; Yasuaki Nakajima<sup>1</sup>; Toshihiro Matsui<sup>1</sup>; Yutaka Nakajima<sup>1</sup>; Masafumi Okuda<sup>1</sup>; Taichi Ogo<sup>1</sup>; Yuuichiro Kume<sup>1</sup>; Takuya Okada<sup>1</sup>; Akihiro Hoshino<sup>1</sup>; Testuma Chiba<sup>1</sup>; Yutaka Tokairin<sup>1</sup>; Takashi Ito<sup>2</sup>

<sup>1</sup> Tokyo Medical and Dental University, Department of esophageal surgery, Tokyo, Japan; <sup>2</sup> Tokyo Medical and Dental University, Department of Human Pathology, Tokyo, Japan

**P69 [112]** The efficacy and safety of condom method EUS for evaluation of esophageal mass lesions.

Jeong Seop Moon<sup>1</sup>; Hyun Sung<sup>1</sup>; Sung Won Park<sup>1</sup>; Jung Hun Lee<sup>1</sup>; Pil Hun Song<sup>1</sup>; You Sun Kim<sup>1</sup>; Soo Hyung Ryu<sup>1</sup>; Won Jae Yoon<sup>1</sup>; Se Joon Lee<sup>2</sup>

<sup>1</sup>Inje University Seoul Paik Hospital, Seoul, Korea, South; <sup>2</sup>Yonsei University College of Medicine, Gangnam Severance Hospital, Seoul, Korea, South

**Surgery (P70-P74)**

**P70 [104]** Impact of minimally invasive surgery and gastric tube on the quality of life in patients with esophageal cancer.

Ming Du<sup>1</sup>

<sup>1</sup>Department of Thoracic and Cardiovascular Surgery, The first affiliated hospital of Chongqing Medical University, Chongqing, China

**P71 [103]** Purse-string stapling technique for minimally invasive Ivor Lewis esophagectomy.

Ming Du<sup>1</sup>

<sup>1</sup>The first affiliated hospital of Chongqing Medical University, Chongqing, China

**P72 [105]** Clinical analysis of mediastinal drainage tube in thoracoscopy and laparoscopic esophagectomy for esophageal carcinoma.

Ming Du<sup>1</sup>

<sup>1</sup>Department of Thoracic and Cardiovascular Surgery, The first affiliated hospital of Chongqing Medical University, Chongqing, China

**P73 [315]** Malignant dysphagia treated by esophageal sparing surgery with good prognosis.

Artur Reis<sup>1,2,3</sup>; Frederico Teixeira Jr.<sup>1,2</sup>; Vitor Moutinho Jr.<sup>1,2</sup>; Sergio Couto Netto<sup>1,2</sup>; Tiberio Lima<sup>1,2</sup>; Andre Perina<sup>1,2</sup>; Fabio Ferreira<sup>1,2</sup>; Eduardo Hiroshi Akaishi<sup>1,2</sup>; Edivaldo Massazo Utiyama<sup>1,2</sup>; Gabriella Oliveira Mendes<sup>1,2</sup>; Margareth Lallé<sup>1,2</sup>; Raphael Medeiros<sup>1</sup>

<sup>1</sup>Sarcoma and Melanoma Group – General Surgery Department. Cancer Institute – University of São Paulo School of Medicine Brazil, São Paulo, Brazil; <sup>2</sup>General Surgery Department – Hospital das Clínicas – University of São Paulo, School of Medicine, São Paulo, Brazil; <sup>3</sup>Santa Casa de Misericórdia de São José dos Campos, São José dos Campos, Brazil

**P74 [61]** Salvage esophagectomy after failed definitive radiochemotherapy for esophageal cancer.

Eleonora Farinella<sup>1</sup>; Safar Adonis<sup>1</sup>; Fikri Bouazza<sup>1</sup>; Gabriele Liberale<sup>1</sup>; Marianna Paesemans<sup>2</sup>; Paul Vanhoutte<sup>3</sup>; Issam El Nakadi<sup>1</sup>

<sup>1</sup>Department of Digestive Surgery, ULB- Erasme-Bordet, Bruxelles, Belgium; <sup>2</sup>Data Center, Institut Jules Bordet, Bruxelles, Belgium; <sup>3</sup>Department of Radiotherapy, Bordet, Bruxelles, Belgium

**Miscellaneous (P75-80)**

**P75 [206]** Post-esophagectomy enteral nutrition via needle catheter jejunostomy: standardized treatment.

Lei Gong<sup>1</sup>; Mingquan Ma<sup>1</sup>; Hongjing Jiang<sup>1</sup>; Xiaofeng Duan<sup>1</sup>; Peng Tang<sup>1</sup>; Zhentao Yu<sup>1</sup>

<sup>1</sup>Tianjin Medical University Cancer Institute and Hospital, Tianjin, China

**P76 [51]** EndoVac management for esophageal rupture.

Yong-Joo Kim<sup>2</sup>; Dohoon Kim<sup>1</sup>; Jong-Myeon Hong<sup>1</sup>

<sup>1</sup>College of Medicine, Chungbuk National University, Cheongju, Korea, South; <sup>2</sup>College of Medicine, Hanyang University, Seoul, Korea, South

**P77 [270]** Safety and efficacy of a fully covered self-expanding metal stent for the treatment of esophageal perforation.

Ali Fuat Kaan Gök<sup>1</sup>; Ibrahim Hail Ozata<sup>1</sup>; Erhan Eroz<sup>1</sup>; Mehmet İlhan<sup>1</sup>; Suleyman Bademler<sup>1</sup>; Hakan T. Yanar<sup>1</sup>; Cemalettin Ertekin<sup>1</sup>;

M. Kayihan Gunay<sup>1</sup>

<sup>1</sup>Istanbul School of Medicine, Istanbul, Turkey

**P78 [66]** Dysphagia in children with repaired esophageal atresia.

C.H. Coppens<sup>1</sup>; L. van den Engel-Hoek<sup>2</sup>; H. Scharbatke<sup>3</sup>; S.A.F. de Groot<sup>2</sup>; J.M.T Draaisma<sup>1</sup>

<sup>1</sup>Department of Pediatric, Radboud University Medical Center, Amalia Children's Hospital, Nijmegen, the Netherlands,

<sup>2</sup>Department of Rehabilitation, Radboud University Medical Center, Amalia Children's Hospital, Nijmegen, the Netherlands

<sup>3</sup>Department of Pediatric Surgery, Radboud University Medical Center, Amalia Children's Hospital, Nijmegen, the Netherlands

**P79 [311]** Superficial basaloid squamous cell carcinoma of the esophagus: clinicopathologic and immunohistochemical study of six cases.

Atsuko Ota<sup>1</sup>; Akinori Iwashita<sup>1</sup>; Keisuke Ikeda<sup>1</sup>; Hiroshi Tanabe<sup>1</sup>

<sup>1</sup>Fukuoka University Chikushi Hospital, Fukuoka, Japan

**P80 [24]** The clinical course of asymptomatic esophageal candidiasis incidentally diagnosed in general health inspection.

Sang Pyo Lee<sup>1</sup>; In-Kyung Sung<sup>1</sup>; Jeong Hwan Kim<sup>1</sup>; Sun-Young Lee<sup>1</sup>; Hyung Seok Park<sup>1</sup>; Chan Sup Shim<sup>1</sup>

<sup>1</sup>Konkuk University Medical Center, Seoul, Korea, South

# Opening Ceremony

Monday, August 31  
6.30 pm

- at the Grimaldi Forum Salle Prince Pierre •

Dance performance  
“The passengers”



8:15 pm Reception

- on the Esplanade Princess Grace •

given by the Direction of Tourism  
and Congresses of Monaco

On Wednesday, September 2, the scientific sessions will end one hour earlier than the preceding days: this, to allow time for all to get ready for the Gala evening of the congress...

# Gala Evening

Wednesday, September 2

8.00 pm

• at the Yacht Club Monaco •



HSH The Prince of Monaco has graciously opened the very exclusive, private Yacht Club of Monaco to the OESO 13<sup>th</sup> Conference.



# Accompanying Persons Program

## Easy Hike Around Cap Martin

Tuesday, September 1  
(morning excursion half day)

Difficulty: Easy

A by-the-seaside walk in Cap Martin, a preserved peninsula with a footpath running along the sea, offering wonderful views over the Principality and its amphitheatre of mountains on one side, and a panorama of Menton and the Italian coastline on the other side. Your accompanying licensed guide will give the tempo for a most enjoyable walk of about two hours.

You will leave the Grimaldi Forum on foot, hike around the peninsula, and walk back to the Grimaldi Forum.

Please note: Wear comfortable sneakers and sunglasses, and a light windbreak.

### Time schedule:

09:00 am	Departure from the Grimaldi Forum in Monaco
09:30 am	Start of the hike
11:30 am	End of the hike
12:00 pm	Return to the Grimaldi Forum

- Price Per person: € 45  
Notes: free for those registering as accompanying persons
- Minimum/maximum number requested: 12 participants

Price includes: French/English speaking mountain guide, bag with 50cl mineral water, a fruit and cereal bar





## La Turbie & Eze Village

Wednesday, September 2  
(morning excursion half day)

La Turbie is one of the oldest villages, dating back from Roman times, always a strategic pass used by all warlords from Caesar to Napoleon. In the 6<sup>th</sup> century BC the Roman senate decided to have this trophy raised at the key point of the border between Gaul and Italy to celebrate the victory of Augustus over the local Ligurian tribes. Originally the trophy was 49 m high and supported a giant statue of the emperor. From the esplanade you discover the most breathtaking view over the Principality of Monaco with the shore and headlands of the Italian Riviera in the background. A few kilometers away, Eze is a fairytale village perched on a rocky spur overlooking the Mediterranean, with quaint narrow streets, beautiful ancient stone houses, and attractive handicraft shops. On top of the village, in the ruined ancient fortress a surprising garden of cactuses surrounded by statues offers stunning panoramic views over the coastline. In the nearby Fragonard Perfumery you will be able to explore the secrets of perfume making from the first copper still in use since the 4<sup>th</sup> century to the most modern techniques and learn the patient and mysterious art of the "Nose".

### Time schedule:

09:00 am	Departure from the Grimaldi Forum in Monaco
09:45 am	Visit Roman Trophy
10:30 am	Visit Eze and garden
11:45 am	Visit Fragonard
12:30 pm	End of the visit and return to the Grimaldi Forum around 01:00 pm

→ Price Per person: € 77

→ Minimum number requested: 15 participants

*Price includes: French/English speaking guide, transportation in private bus, entrance fee Roman Trophy and Eze Garden, and visit Fragonard Perfumery*





# General Information

The registration desk will open on 31<sup>th</sup> August and stay open all through the Congress from 7:00 am to 6:15 pm.

## **Congress Venue**

Grimaldi Forum – 10, Avenue Princesse Grace – Monaco

## **Scientific Program**

The scientific program is available on

[http://www.oeso.org/monaco\\_conference2015/scientific-program.html](http://www.oeso.org/monaco_conference2015/scientific-program.html)

## **Slide Center**

Opening hours are the following:

- **August 31:** 9:00 am – 7:00 pm
- **September 1:** 7:00 am – 6:00 pm
- **September 2:** 7:00 am – 6:00 pm
- **September 3:** 7:00 am – 6:30 pm

It is essential for the smooth running of the sessions that all speakers hand in their Power Point presentations on time. Slides must therefore be handed into the Slide Center in advance, even the day before the session, but at the very latest one hour before (see above).

## **The Official Operating System of the Congress is Microsoft Windows:**

Speakers with Macintosh presentations should hand in their slides at least half a day before the Session.

## **Poster area**

- Poster set-up: Monday, August 31, from 9:00 am to 5:00 pm
- Poster removal must be completed on Thursday, September 3 before 6:30 pm

## **Poster and Video presentations**

In addition to the traditional poster exhibit, a computer “stream presentation” will be shown in the main hall: this consists in a computer display of up to 5 power point slides prepared by the author(s) to complete a poster with pertinent details or instructive commentaries.

Throughout the Congress, the Poster Jury as well as the attendees, will have access, at any time, to the stream presentation of any poster on the program.

Twenty four Posters will be selected by the Jury, to be given in an oral presentation (5 min. + 5 min. discussion) during two sessions scheduled on Thursday, September 3, 10:30 am – 12:30 pm and 2:00 – 4:00 pm. The choice of the Jury will be announced on Wednesday, September 2 at 2:00 pm.

The authors of the chosen abstracts will be asked to bring the corresponding slides to the Slide Center by Thursday, September 3, 8:00 am.

Among all the abstracts submitted (Poster or oral presentation), twelve will be selected.

The authors will be honored at the Gala evening at which time they will receive a diploma.

In addition, they will be offered free registration at the time of the OESO 14<sup>th</sup> World Conference in 2017.

### **Certificate of attendance**

The certificate of attendance will be downloadable from the Website after the congress.

### **Lunches**

On September 1, 2, and 3, lunches will be served free of charge in the hall “Le Genoïis” to all registered participants wearing congress badges.

**Official language:** English

### **Gala Dinner – Wednesday, September 2 at 8:00 pm**

**Yacht Club De Monaco – Quai Louis II.**

The Yacht Club of Monaco is walking distance from the Grimaldi Forum, several hotels (Fairmont, Monte Carlo Bay, Méridien. However, a shuttle bus will be kindly made available by the DTC (Direction du Tourisme et des Congrès de Monaco), and will stop by the major hotels from 7:15 pm. (Pick up time to be communicated at the Grimaldi Forum).

### **Getting to the Grimaldi Forum**

- Most of the hotels are within walking distance from the Grimaldi Forum.
- Please note: your conference badge will provide you with free access to all city buses in Monaco, a service graciously offered by the DTC ([http://www.cam.mc/PLAN\\_CAM.pdf](http://www.cam.mc/PLAN_CAM.pdf)).

In alternative, a taxi stand is located in front of the main hotels or by calling +377 93150101.

# OESO Would like to thank

## For their support



Boston Scientific



C2 Therapeutics



Crospen



Mederi



Olympus Europa



Sandhill



Reza Band



Somna Therapeutics

## For their contribution



## For their art work in the exhibit hall and in this program,



• Yves Chambeyron



• Viktoria Pokieser

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Painting by Viktoria Pokieser

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Mrs. Chamberlain