Final Programme

www.ehmsg.org
XXXIIIrd International Workshop
on Helicobacter & Microbiota in Inflammation and Cancer

September 12, 2020 | VIRTUAL CONFERENCE
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AWARDEES OF THE MARSHALL AND WARREN MEDAL

2020  Hazel Mitchell, Sydney, Australia
2019  Guillermo Perez-Perez, New York, NY, United States
2018  Kenneth McColl, Glasgow, United Kingdom
2017  Jean-Charles Delchier, France
2016  Ken Sugano, Shimotsuke, Japan
2015  Heidi-Ingrid Maaroos, Tartu, Estonia
2014  Manfred Kist, Freiburg, Germany
2013  Masahiro Asaka, Sapporo, Japan
2012  Richard Hunt, Hamilton, ON, Canada
2011  Samy Cadranel, Brussels, Belgium
2010  Reinhold W. Stockbrügger, Maastricht, The Netherlands
2009  Pelayo Correa, Nashville, TN, United States
2008  Timo Kosunen, Helsinki, Finland
2007  Mike Dixon, Leeds, United Kingdom
2006  Barry Marshall, Perth, Australia & Stanislav Konturek, Cracow, Poland

NEXT EHMSG WORKSHOP

September 16 - 18, 2021
Belgrade, Serbia
Dear Colleagues, Dear Friends,

It is my great pleasure, on behalf of the European Helicobacter and Microbiota Study group (EHMSG) to welcome you to our 2020 VIRTUAL conference. Just as EHMSG has evolved over the years as a dynamic and forward-thinking society, this year we have also had to be innovative and creative in terms of delivering our annual conference, in light of the current global pandemic.

We are delighted to welcome you to a fantastic programme of world-class speakers covering many aspects of Helicobacter and microbiota current research. In addition to the one-day speaker programme, there are e-posters to view and also a number of pre-recorded talks which are available on-demand.

I can’t finish this welcome address without thanking the EHMSG group and the team at the Vienna Medical Academy who together have worked tirelessly to make this virtual conference a reality. I am also hugely grateful to our sponsors who have continued to support us and demonstrate their commitment to EHMSG.

The EHMSG 2020 meeting promises to be scientifically inspiring, providing the latest developments from the Helicobacter and Microbiota field.

I look forward to seeing you online!

Ceud Mile Fáilte

Georgina Hold
President of the EHMSG
European Helicobacter & Microbiota Study Group EHMSG

President of the EHMSG
Georgina Hold, Australia

Honorary Members
Franco Bazzoli, Italy
James G. Fox, United States
David Y. Graham, United States
Ernst Kuipers, The Netherlands
Adrian Lee, Australia
Barry Marshall, Australia
Guido N.J. Tytgat, The Netherlands

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Leif P. Andersen, Denmark
Lars Engstrand, Sweden
Antonio Gasbarrini, Italy
Javier P. Gisbert, Spain
Josbert Keller, The Netherlands
Marcis Leja, Latvia
José C. Machado, Portugal
Peter Malferttheiner, Germany
Francis Mégraud, France
Colm A. O’Morain, Ireland
Mirjana Rajilic-Stovanovic, Serbia
Ari P. Ristimäki, Finland
Theodore Rokkas, Greece
Annemieke Smet, Belgium
Herbert Tilg, Austria

Corresponding Fellows
Niyaz Ahmed, India
Dmitry Bordin, Russia
Luis G. Vaz Coelho, Brazil
Jae Gyu Kim, Korea
Varocha Mahachai, Thailand
Yaron Niv, Israel
Chung-Ying Wu, Taiwan
Yoshio Yamaoka, Japan
Weicheng You, China

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Anthony Axon, United Kingdom
Michel A.L. Deltenre, Belgium
Bram Flahou, Belgium
Giovanni Gasbarrini, Italy
Alexander M. Hirschl, Austria
Pierre Michetti, Switzerland
José M. Pajares Garcia, Spain
Ashley B. Price, United Kingdom
Mario G. Quina, Portugal (†)
Erik A.J. Rauws, The Netherlands
Pentti I. Sipponen, Finland
Torkel M. Wadström, Sweden

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Scientific and Administrative Secretariat
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A-1090 Vienna, Austria
Phone: +43 1 405 13 83 18
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Email: workshop@ehmsg.org

Workshops of the EHMSG

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SAV E TH E D AT E

XXXIV Workshop of the European Helicobacter and Microbiota Study Group

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SEPTEMBER 16 - 18, 2021
BELGRADE | SERBIA
08.15 – 08.30 Welcome and Introduction
Georgina Hold, Sydney, Australia

08.30 – 08.50 I - Introductory Lecture
Moderator: Georgina Hold
A tribute to George Sachs: pH & Hp revisited, then and now
Richard Hunt, Hamilton, ON, Canada

08.50 – 09.50 II - Gastric Epithelium Homeostasis in Health and Disease
Moderators: Georgina Hold, José Machado
Unexpected role of TLR5: Flagellin-independent but T4SS-dependent activation control Helicobacter pylori infections
Steffen Backert, Erlangen, Germany

09.10 – 09.30 Molecular mechanisms of Helicobacter pylori disruption of epithelial integrity
Ceu Figueiredo, Porto, Portugal

09.30  09.50 Gastric organoids as a tool to study Helicobacter infection
Francesco Boccellato, Oxford, UK

09.50 – 10.00 10 minutes break

10.00 – 12.30 III - Symposium: H. pylori diagnostics & treatment - I
Moderators: Javier Gisbert, Colm O’Morain
“Test and Treat” strategy with UBT: a cost effective strategy for the management of H. pylori infection in UK
Mark Pritchard, Liverpool, UK

10.20 – 10.40 Rationale behind UBT H. pylori screening and eradication therapy to reduce the risk of Upper GI bleeding in patients with myocardial Infarction. Insights from the HELP-PILOT study
Magnus Bäck, Stockholm, Sweden

10.40 – 11.00 Acid suppression – how much is needed?
Takahisa Furuta, Hamamatsu, Japan

11.00 – 11.20 Renaissance reviewed - Bismuth still needed?
Peter Malfertheiner, Magdeburg, Germany

11.20 – 11.30 10 minutes break

10.00 – 12.30 III - Symposium: H. pylori diagnostics & treatment - II
Moderators: Francis Mégraud, Peter Malfertheiner

11.00 – 11.20 Overcoming antibiotic resistance – the Korean experience
Ji Yong Ahn, Ulsan, Korea

11.50 – 12.10 Guidelines are good – adherence is better
Pali Hungin, Durham, UK

12.10 – 12.30 Management of H. pylori infection based on global/regional guidelines
Seung Joo Kang, Seoul, Korea
**PROGRAMME SATURDAY, SEPTEMBER 12, 2020**

**12.30 – 12.35**  IV - Presentation of the Journal “Microbiota in Health and Disease”
Moderators: Francis Mégraud, Peter Malfertheiner
Francesco Franceschi, Rome, Italy

**12.35 – 12.45**  V - Awarding of the Marshall & Warren Medal to Hazel Mitchell, Australia
Moderator: Georgina Hold
Hazel Mitchell, Sydney, Australia

**12.45 – 14.40**  EHMSG Quiz
Josbert Keller, Leiden, The Netherlands

**Lunch Break**
Visit the virtual exhibition spaces of our sponsors and view the On-Demand Talks & e-Posters

**14.40 – 15.40**  VII - Gut Microbiota in Health and Disease
Moderators: Mirjana Rajilic-Stojanovic, Lars Engstrand

**14.40 – 15.00**  Microbial Therapeutics: Are we there yet? Clinicians perspective
Tariq Iqbal, Birmingham, UK

**15.00 – 15.20**  Using the microbiome to turn liquid diet into solid food. The CD-TREAT diet for treating Crohn’s disease
Richard Hansen, Glasgow, UK

**15.20 – 15.40**  Microbial transplant – what are the challenges?
Josbert Keller, Leiden, The Netherlands

**15.40 – 15.50**  10 minutes break

**15.50 – 16.50**  VIII - EHMSG Guidelines initiative in microbiota handling
Moderators: Annemieke Smet, Josbert Keller

**15.50 – 16.10**  The challenge of microbiota testing
Antonio Gasbarrini, Rome, Italy

**16.10 – 16.30**  Requirements for optimal testing
Mirjana Rajilic-Stojanovic, Belgrade, Serbia

**16.30 – 16.50**  Clinical relevance of microbiota signature
Gianluca Ianiro, Rome, Italy

**16.50 – 17.00**  10 minutes break

**17.00 – 19.00**  IX - Symposium: Gastric Cancer – Early detection and prevention 2020
Moderators: Marcis Leja, Theodore Rokkas

**17.00 – 17.20**  H. pylori in the stomach – factors contributing to its dominance
Richard Peek, Nashville, TN, USA

**17.20 – 17.40**  Current epidemiology and gastric cancer patterns
Constanza Camargo, Rockville, USA

**17.40 – 18.00**  Population-based screening of gastric cancer
Jin-Young Park, Lyon, France
18.00 – 18.30  
**H. pylori screen-and-treat: Pro & Con - Talk**
18.00 – 18.15  **Con:**  Anthony O’Connor, Dublin, Ireland
18.15 – 18.30  **Pro:**  Jan Bornschein, Oxford, UK

18.30 – 19.00  
**Preneoplastic conditions - Tandem Talk**
18.30 – 18.45  **is it time for molecular risk prediction?**  Marnix Jansen, London, UK
18.45 – 19.00  **how good is endoscopy?**  Alexander Link, Magdeburg, Germany

19.00 – 19.15  
**X - Closing Session**
Moderators: Antonio Gasbarrini, Ari Ristimäki

19.00 – 19.10  
**Poster Awards**
Ari Ristimäki, Helsinki, Finland

19.10 – 19.15  
**Presentation of the EHMSG Workshop 2021 in Belgrade**
Mirjana Rajilic-Stojanovic, Belgrade, Serbia
ON-DEMAND TALKS

The Gut Microbiota – the latest branch of medicine
Juozas Kupcinskas, Kaunas, Lithuania

Harnessing the microbiome – Virome Potential
Indrani Mukhopadhya, Aberdeen, UK

Practical Considerations for understanding the Microbiome
Lars Engstrand, Solna, Sweden

Microbiome Analysis – Bioinformatics Perspective
Chris Quince, Warwick, UK

Birth and Early Life
Omry Koren, Safed, Israel

Microbes and Brain Function
Daniel Wall, Glasgow, UK

Atopic disease
Reetta Satokari, Helsinki, Finland

Cancer
Patricia Lepage, Jouy en Josas, France

The Microbiota in Obesity Associated Disease
Marie Joossens, Gent, Belgium

The Microbiota and Liver Disease
Debbie Shawcross, London, UK

PPI treatment and its impact on the GI microbiota – any clinical relevance?
Christian Schulz, Munich, Germany

Microbial manipulation in IBS
Magdy El-Salhy, Bergen, Norway

Microbial manipulation in IBD
Patrizia Kump, Graz, Austria
Electronic Poster Round 1: Diagnosis of Helicobacter infection

EP1.01
"Test-and-Treat" strategy with urea breath test: a cost-effective approach for the management of Helicobacter pylori-related dyspepsia and the prevention of peptic ulcer in the United Kingdom-Results of the Hp-Breath initiative
David Pritchard, Liverpool, United Kingdom

EP1.02
Comparative estimation of results of the new selective rapid urease test and detection of H. pylori in stool: a pilot study
Natalia Baryshnikova, St-Petersburg, Russian Federation

EP1.03
Screening for Helicobacter pylori infection and Clarithromycin resistance using real-time polymerase chain reaction
Mila Kovacheva-Slavova, Sofia, Bulgaria

EP1.04
Accuracy of the Helicobacter pylori diagnostic tests in patients with peptic ulcer bleeding- The results of a network meta-analysis
Nóra Vörhendi, Pécs, Hungary

EP1.05
Helicobacter pylori screening in patients with acute myocardial infarction
Robin Hofmann, Stockholm, Sweden

EP1.06
Diagnosis of Helicobacter pylori infection in the elderly by immunochromatographic assay-based stool antigen test
Yingjie Han, Beijing, China

EP1.07
Implementation of the program of the Scientific Society of Gastroenterologists of Russia „Physicians without helicobacteriosis” in Chita
Elena Luzina, Chita, Russian Federation

EP1.08
‘Helicobacter pylori and mast cells in the mucous membrane of the stomach’
Natalya Samodurova, Voronezh, Russian Federation

EP1.09
‘Immunomorphological aspects of evaluating the interaction of mast cells and Helicobacter pylori in the stomach mucous’
Natalya Samodurova, Voronezh, Russian Federation

Electronic Poster Round 2: Treatment of Helicobacter infection

EP2.01
Quality assessment of meta-analyses: probiotics and eradication of Helicobacter pylori infection
György Buzás, Budapest, Hungary

EP2.02
Rifabutin triple therapy for first-line and rescue treatment of Helicobacter pylori infection: a systematic review and meta-analysis
Doron Boltin, Petah Tikva, Israel

EP2.03
European registry on Helicobacter pylori management (Hp-EuReg): first-line therapy in Israel
Doron Boltin, Petah Tikva, Israel

EP2.04
Eradication rate of Helicobacter pylori infection in Chinese duodenal ulcer patients treated with Vonoprazan 20 mg versus Lansoprazole 30mg with bismuth containing quadruple therapy
Jiangbin Wang, Changchun, China

EP2.05
Helicobacter pylori eradication first- and second-line regimens prescriptions and effectiveness in Lithuania: Analysis From the European Registry on H. pylori Management (Hp-EuReg)
Laimas Jonaitis, Kaunas, Lithuania
EP2.06
*Helicobacter pylori* eradication treatment in Lithuania during 2013-2019: trend analysis of the European Registry on *H. pylori* management (Hp-EuReg)
Paulius Jonaitis, Kaunas, Lithuania

EP2.07
Difference in the *Helicobacter pylori* eradication rates according to the time of treatment start in patients with peptic ulcer bleeding
Hak Kim, Seoul, Korea, Republic of

EP2.08
Current trend in the *Helicobacter pylori* eradication rates of first-line sequential and concomitant therapies in Korea: A nationwide multicenter retrospective study over the 10 years
Byung-Wook Kim, Incheon, Korea, Republic of

EP2.09
Comparing efficacy of *Helicobacter pylori* eradication regimens: Bismuth containing quintet therapy vs. moxifloxacin based sequential therapy as first-line eradication regimen
Yoo Jin Kim, Bundang, Korea, Republic of

EP2.10
First-line *H. pylori* eradication therapy in Europe: Results from 24,882 cases of the European Registry on *H. pylori* Management (Hp-EuReg)
Javier Gisbert, Madrid, Spain

EP2.11
Room for improvement in the treatment of *Helicobacter pylori* infection: lessons from the European Registry on *H. pylori* Management (Hp-EuReg)
Javier Gisbert, Madrid, Spain

EP2.12
European Registry on *H. pylori* Management (Hp-EuReg): empirical first-line treatment use and effectiveness trends in Europe in the period 2013-2020
Javier Gisbert, Madrid, Spain

EP2.13
European Registry on *H. pylori* Management (Hp-EuReg): Analysis of empirical second-line treatments in Europe
Javier Gisbert, Madrid, Spain

EP2.14
A deadly hug: chitosan microspheres functionalized with MSI-78A antimicrobial peptide kill *Helicobacter pylori*
Diana Fonseca, Universidade do Porto, Portugal

EP2.15
Bismuth quadruple three-in-one single capsule: 3 or 4 times daily? Sub-analysis of the Spanish data of the European Registry on *H. pylori* Management (Hp-EuReg)
Javier Gisbert, Madrid, Spain

EP2.16
European Registry on *H. pylori* Management (Hp-EuReg): Experience with single capsule bismuth quadruple therapy in 3,439 patients
Javier Gisbert, Madrid, Spain

EP2.17
Safety of the treatment of *H. pylori* infection: experience from the European Registry on *H. pylori* Management (Hp-EuReg) on 22,000 patients
Javier Gisbert, Madrid, Spain

EP2.18
Bismuth quadruple regimen with tetracycline or doxycycline versus Pylera® as third-line rescue therapy for *H. pylori* infection: A prospective multicenter analysis of the European Registry on *Helicobacter pylori* Management (Hp-EuReg)
Javier Gisbert, Madrid, Spain
EP2.19
European Registry on *H. pylori* Management (Hp-EuReg): Clinical phenotypes through machine learning of first-line treated patients in Spain during the period 2013-2018
Javier Gisbert, Madrid, Spain

EP2.20
Empirical versus susceptibility-guided treatment of *Helicobacter pylori* infection: a meta-analysis
Javier Gisbert, Madrid, Spain

EP2.21
Real-world comparative effects of three-in-one single capsule bismuth quadruple therapy vs. non-bismuth quadruple concomitant therapy: Interim analysis of the European Registry on *H. pylori* Management (Hp-EuReg)
Ignasi Puig, Madrid, Spain

EP2.22
Antibiotic resistance trends of *Helicobacter pylori* naïve patients in the period 2013-2019: analysis of the European Registry on *H. pylori* Management (Hp-Eu-Reg)
Luis Bujanda, Madrid, Spain

EP2.23
Tailored therapy based on clarithromycin resistance is effective for the first-line therapy of *Helicobacter pylori*
Sang Gon Moon, Seoul, Korea, Republic of

EP2.24
*Helicobacter pylori* antibiotic resistance: data from the European Registry on *H. pylori* Management (Hp-EuReg)
Luis Bujanda, Madrid, Spain

EP2.25
Impact of *Helicobacter pylori* clarithromycin resistance on the treatment effectiveness: data of the European Registry on *H. pylori* Management (Hp-EuReg)
Luis Bujanda, Madrid, Spain

EP2.26
Trends in the effectiveness of eradication therapy in Russia
Dmitry Bordin, Moscow, Russian Federation

EP2.27
The comparison of side effects and effectiveness of standard triple therapy with clarithromycin and alternative high-dose amoxicillin / bismuth therapy in eradication of *H. pylori*
Alise Lielause, Riga, Latvia

EP2.28
The effects of Eupatilin of NSAID-gastropathy associated with *H. pylori*
Igor Skrypnyk, Poltava, Ukraine

EP2.29
Excellent performance of 2-weeks tailored triple therapy in *H. pylori* infected children: Interim results of the new EuroPedHp Registry
Thu Giang Le Thi, Munich, Germany

EP2.30
Myricetin as a natural compound sensitizing *H. pylori* to antibiotics
Paweł Krzyżek, Wrocław, Poland

EP2.31
Counteracting *Helicobacter pylori* using drug-free nanostructured lipid carriers (NLC)
Rute Chitas, Porto, Portugal

EP2.32
Effectiveness of first-line *H. pylori* eradication therapy according to the daily statin-use: analysis of the European Registry on *H.pylori* Management (Hp-EuReg)
Maria Caldas, Madrid, Spain

EP2.33
Effectiveness of first-line *H. pylori* eradication treatments in Spain: results from the European Registry on *H. pylori* management
(Hp-EuReg)
Maria Caldas, Madrid, Spain

EP2.34
Effectiveness of second-line *H. pylori* eradication treatments in Spain: results from the European Registry on *H. pylori* management (Hp-EuReg)
Maria Caldas, Madrid, Spain

EP2.35
Population study on the prevalence and antimicrobial resistance of *Helicobacter pylori* in West Flanders - Belgium.
Alexander Vanden Bulcke, Leuven, Belgium

EP2.36
European registry on *H. pylori* management (Hp-EuReg): analysis of 1,782 empirical rescue therapies on third and subsequent lines
Diego Burgos-Santamaría, Madrid, Spain

EP2.37
Autoprotiotics in treatment of *Helicobacter pylori* gastritis
Elena Ermolenko, Saint-Petersburg, Russian Federation

EP2.38
Antibiotics susceptibility testing increases *Helicobacter pylori* eradication rates in dyspeptic patients from Egypt: a randomized controlled trial
Mohamed Alboraie, Darrasah, Egypt

EP2.39
Nifuratel in the eradication of *Helicobacter pylori* infection in adults: results of a randomized comparative clinical trial
Natalia Dekhnich, Smolensk, Russian Federation

EP2.40
Toxic effects of bismuth on *Helicobacter pylori* associated with the intra-gastric acidity: a transmission electron microscopy study
Yi-Chia Lee, Taipei, Taiwan

EP2.41
A real-life study assessing the efficacy of single capsule Bismuth quadruple therapy supplemented with probiotics for *H. pylori* eradication in patients naïve to treatment in a high clarithromycin resistance area
K. Priadko, Naples, Italy

EP2.42
Modified bismuth quadruple therapy with low dose metronidazole as first-line therapy for *Helicobacter pylori* infection
Gyu Young Pih, Seoul, Korea, Republic of

EP2.43
*Helicobacter pylori* resistance to antibiotics in Europe in 2018 and its relationship to antibiotic consumption in the community
Francis Mégraud, Bordeaux, France

EP2.44
Antibiotic Resistance Breakers to counteract the multidrug-resistance in *Helicobacter pylori*
Silvia Di Lodovico, Chieti, Italy

EP2.45
The effectiveness of various anti Helicobacter therapy regimens in Ukraine
Yana Nikiforova, Kharkiv, Ukraine

EP2.46
Potential role of new Resveratrol derivatives for the management of drug resistant *Helicobacter pylori* infection
Mara Di Giulio, Chieti, Italy

EP2.47
Evaluation of antimicrobial activity against *Helicobacter pylori* and phytochemical analysis of extracts from Passiflora and Ilex species
Johan Castañeda, Bogota, Colombia
### EP2.48
Empiric versus Clarithromycin-Resistance-Guided Therapy for *Helicobacter pylori* based on Polymerase Chain Reaction Results in Patients with Gastric Neoplasms or Gastric MALT Lymphoma: a Randomized Controlled Trial  
Jue Lie Kim, Seoul, Korea, Republic of

### EP2.49
Antioxidant and anti-inflammatory properties of a grape seed extracts against *Helicobacter pylori* infection  
Teresa Alarcón, Madrid, Spain

### EP2.50
Effects of temperature on the growth and metronidazole resistance in *Helicobacter pylori*  
Meiliang Gong, Beijing, China

### EP2.51
Amoxicillin secretion by gastric mucosa in patients with atrophic and nonatrophic gastritis undergoing *H. pylori* eradication therapy  
Anastasiya Sablina, Saint-Petersburg, Russian Federation

### EP2.52
The chimeric protein CTB-multiHp: immunological features and the ability to inhibit *Helicobacter pylori* activities  
Beatriz Meza, La Paz, Mexico

### Electronic Poster Round 3: Gastric cancer

#### EP3.01
Application of gold nanoparticles and metaloxide sensors for non-invasive detection of gastric cancer  
Linda Mezmale, Riga, Latvia

#### EP3.02
Identification of volatile organic compounds emitted by gastric juice  
Linda Mezmale, Riga, Latvia

#### EP3.03
*Helicobacter pylori* CagA hijacks cortactin to control host cell migration via Vav2-mediated small GTPase Rac1 activation  
Steffen Backert, Erlangen, Germany

#### EP3.04
The repeat regions of *Helicobacter pylori* VirB10-ortholog CagY can bind and activate toll-like receptor 5  
Steffen Backert, Erlangen, Germany

#### EP3.05
Overexpression of toll-like receptor 5 in *H. pylori* infected patients with or without neoplasia  
Steffen Backert, Erlangen, Germany

#### EP3.06
*H. pylori* chronic gastritis: OLGA and OLGIM evaluation and serum biomarkers for risk assessment of gastric cancer development in Brazilian patients  
Luiz Coelho, Belo Horizonte, Brazil

#### EP3.07
Evaluation of the nonspecific immunity in patients with gastric cancer with *Helicobacter pylori* infection  
Olga Smirnova, Krasnoyarsk, Russian Federation

#### EP3.08
The role of non-specific monocytic phagocytes in the progression of gastric cancer associated with *Helicobacter pylori* infection  
Olga Smirnova, Krasnoyarsk, Russian Federation

#### EP3.09
Features of lipid peroxidation and antioxidant protection in gastric cancer associated with *Helicobacter pylori* infection  
Olga Smirnova, Krasnoyarsk, Russian Federation

#### EP3.10
Peculiarities of glutathione antioxidant protection functioning in gastric cancer associated with *Helicobacter pylori* infection  
Olga Smirnova, Krasnoyarsk, Russian Federation
Leisha Nolen, Anchorage, United States

EP3.13  Gastric cancer risk factors due to life style  
Elizaveta Ageeva, Simferopol, Russian Federation

EP3.14  Aberrant MUC13 expression as prognostic marker for gastric cancer  
Baptiste Oosterlinck, Antwerp, Belgium

EP3.15  Cost-effectiveness of Helicobacter pylori screening and eradication to prevent stomach cancer in Spain  
Teresa Alarcón, Madrid, Spain

EP3.16  In vitro profiling of volatile organic compounds released and consumed by CLS-145 and HGC-27 gastric cell lines  
Linda Mezmale, Riga, Latvia

EP3.18  Endoscopic biopsy sampling during gastroscopy - discrepancies across Europe  
Jan Bornschein, Oxford, United Kingdom

EP3.19  Impact of Helicobacter pylori infection and its virulence factor CagA on DNA damage repair machinery  
Eleftherios Kontizas, Athens, Greece

EP3.20  The role of lactate in gastric carcinogenesis  
Karla Vinasco-Pacheco, Sydney, Australia

EP3.21  ER stress and inflammation via autophagy influence Helicobacter pylori-related gastric cancer  
Isidora Simovic, Sydney, Australia

EP3.22  Leukaemia Inhibitory Factor signalling for targeting cancer stem cells in gastric adenocarcinoma  
Lornella Seeneevassen, Bordeaux, France

EP3.23  Cell-free DNA somatic alterations in plasma of gastric cancer patients: mutational spectra, association with tumor size and survival  
Greta Streleckiene, Kaunas, Lithuania

EP3.24  Induction of precancerous phenotype of normal gastric epithelial cells after their long-term incubation with supernatant from Helicobacter pylori-infected cancer-associated fibroblasts in vitro. Involvement of transforming growth factor beta and its receptors  
Tomasz Brzozowski, Cracow, Poland

EP3.25  Microbial abundance of H. pylori assessed by high-throughput sequencing and prognosis of gastric cancer patients  
Alexander Link, Magdeburg, Germany

EP3.26  Helicobacter pylori and Epstein-Barr virus co-infection in Greek patients with gastric malignancies  
Beatriz Martinez-Gonzalez, Athens, Greece

EP3.27  Increasing trend of gastroesophageal junction in the primary site of endoscopic resected gastric cancers  
Younghee Choe, Seoul, Korea, Republic of
EP4.01 Important role of integrin receptors in controlling the AGS cell elongation/hummingbird phenotype by *Helicobacter pylori* CagA
Steffen Backert, Erlangen, Germany

EP4.02 The actin-binding protein cortactin is required for efficient AGS cell elongation by *H. pylori* CagA, but not for vacuolization and apoptosis by VacA
Steffen Backert, Erlangen, Germany

EP4.03 Type IV secretion of *Helicobacter pylori* CagA and ADP-heptose into oral epithelial cell lines
Steffen Backert, Erlangen, Germany

EP4.04 The role of pro-inflammatory and anti-inflammatory cytokines in the development of chronic atrophic gastritis with *Helicobacter pylori* infection
Olga Smirnova, Krasnoyarsk, Russian Federation

EP4.05 Immunoglobulins in chronic gastritis and chronic atrophic gastritis with *H. pylori* infection
Olga Smirnova, Krasnoyarsk, Russian Federation

EP4.06 Features of the functioning of monocytes in chronic gastritis associated with *Helicobacter pylori*- infection
Olga Smirnova, Krasnoyarsk, Russian Federation

EP4.07 Role of monocytes during chronic atrophic gastritis associated with *Helicobacter pylori* infection
Olga Smirnova, Krasnoyarsk, Russian Federation

EP4.08 Features of lipid peroxidation and antioxidant protection in chronic atrophic gastritis associated with *Helicobacter pylori* infection
Olga Smirnova, Krasnoyarsk, Russian Federation

EP4.09 The role of the glutathione part of antioxidant protection in the development of atrophy in chronic gastritis associated with *Helicobacter pylori* infection
Olga Smirnova, Krasnoyarsk, Russian Federation

EP4.10 Indicators of proliferation and apoptosis of gastric epithelial cells in the indigenous inhabitants of the Republic of Tyva with *Helicobacter pylori*-positive duodenal ulcer
Vladislav Tsukanov, Krasnoyarsk, Russian Federation

EP4.11 Immunophenotype of cell infiltrate of the gastric mucosa lamina propria in indigenous inhabitants of Khakassia with *Helicobacter pylori*-positive duodenal ulcer
Vladislav Tsukanov, Krasnoyarsk, Russian Federation

EP4.12 Upregulation of intercellular cell adhesion molecule-1 in endothelial cells exposed to *Helicobacter pylori* outer membrane vesicles
Jung Mogg Kim, Seoul, Korea, Republic of

EP4.13 *Helicobacter pylori* infection affects nitric oxide system in patients with chronic antral gastritis and diabetes mellitus type 2
Igor Skrypnyk, Poltava, Ukraine

EP4.14 Active forms of oxygen in monocyte culture under high dissemination with *Helicobacter pylori*
Irina Litvinova, Krasnoyarsk, Russian Federation

EP4.15
Helicobacter pylori alters expression of Notch pathway components in gastric epithelial cells and macrophages in a cell type specific manner.
Rebecca FitzGerald, Dublin, Ireland

**EP4.16**
Presence of Matrix Metalloproteinase-9-positive Neutrophil Extracellular Traps (NETs) in gastric biopsies of H. pylori infected patients
Elissavet Michailou, Athens, Greece

**EP4.17**
Virulence gene cagA of Helicobacter pylori and severe esogastroduodenal diseases: is there a relationship?
Mônica Barbosa, Goiânia, Brazil

**EP4.18**
Clinical Treatment Outcomes and Prognosis of Gastric MALToma: A Single Center Experience
Won Shik Kim, Seoul, Korea, Republic of

**EP4.19**
Helicobacter pylori dupA virulence gene: risk factor or protector of gastropathies?
Mônica Barbosa, Goiânia, Brazil

**EP4.20**
Contribution of Helicobacter pylori to foam cell formation in experimental atherosclerosis
Agnieszka Krupa, Lodz, Poland

**EP4.21**
Modulation of Nrf2-mediated antioxidant response after infection with Helicobacter pylori may contribute to gastric cancer
Océane Martin, Bordeaux, France

**EP4.22**
Modulation of Helicobacter pylori adhesion to gastric epithelial cells by BCGOnko vaccine mycobacteria
Weronika Gonciarz, Lodz, Poland

**EP4.23**
Induction of autoantibodies in response to infection with CagA-positive Helicobacter pylori
Weronika Gonciarz, Lodz, Poland

**Electronic Poster Round 5: Epidemiology**

**EP5.01**
Prevalence and genetic features of drug resistant Helicobacter pylori strains from Zhengzhou
Chuan Liu, Zhengzhou, China

**EP5.02**
Prevalence of Helicobacter pylori infection in north-eastern Romania - data from a tertiary care center
Elena Popovici, Iasi, Romania

**EP5.03**
Changes in the prevalence of Helicobacter pylori over last 25 years among Lithuanian medical students
Laimas Jonaitis, Kaunas, Lithuania

**EP5.04**
Evaluation of dyspeptic symptoms in Helicobacter pylori-positive and negative students of Lithuanian University of Health Sciences
Laimas Jonaitis, Kaunas, Lithuania

**EP5.05**
The prevalence of CagA Helicobacter pylori in children of the Mongoloid population of Siberia
Tamara Polivanova, Krasnoyarsk, Russian Federation

**EP5.06**
The influence of parental education on the prevalence of Helicobacter pylori in rural children
Tamara Polivanova, Krasnoyarsk, Russian Federation

**EP5.07**
Trends in the prevalence of Helicobacter pylori in Russia
Dmitry Bordin, Moscow, Russian Federation

EP5.08
Time trends in acute upper gastrointestinal bleeding in Serbian adult population
Vladimir Milivojevic, Belgrade, Serbia

EP5.09
Relationship of Helicobacter pylori infection to lifestyle, sociodemographic and economic profile in dyspeptic patients
Mônica Barbosa, Goiânia, Brazil

EP5.10
Retrospective analysis of the H. pylori eradication rates in Crimean population.
Valeriy Kryvy, Simferopol, Russian Federation

EP5.11
Helicobacter pylori reinfection rates in Crimean population: follow-up study
Valeriy Kryvy, Simferopol, Russian Federation

Electronic Poster Round 6: Microbiology and genomics of Helicobacter

EP6.01
Changes in the fluoroquinolone resistance of Helicobacter pylori over a 14-year period and discovery of a novel mutation in DNA gyrase: a single center study in Korea
Jae Kim, Seoul, Korea, Republic of

EP6.02
Clarithromycin resistance of Helicobacter pylori strains isolated in St. Petersburg, Russia
Alena Svarval, Saint Petersburg, Russian Federation

EP6.03
The genomic polymorphism of clinical strains of H. pylori isolated in St. Petersburg, Russia.
Alena Svarval, Saint Petersburg, Russian Federation

EP6.04
Helicobacter pylori resistance, treatment outcome and point mutation analysis based on molecular testing in Serbian adult population
Vladimir Milivojevic, Belgrade, Serbia

EP6.05
Clarithromycin resistance is more common among less virulent Helicobacter pylori strains - Data from an Irish centre.
Rebecca Fitzgerald, Dublin, Ireland

EP6.06
Pathway of focal adhesion and its relevant circRNAs and lncRNAs are involved with perianal Crohn’s disease.
Shi-xue Dai, Guangzhou, China

EP6.07
Comparison in vitro of activity of various macrolides against Helicobacter pylori
Natalia Dekhnich, Smolensk, Russian Federation

EP6.08
East-Asian Helicobacter pylori strains synthesize heptan-deficient lipopolysaccharide
Hong Li, Chengdu, China

EP6.09
The role of two PDZ domains in HtrA from Helicobacter pylori in the protein quality control system
Urszula Zarzecka, Gdansk, Poland

EP6.10
New Helicobacter pylori prophage phylogenetic population from Colombian strains
Angela Muñoz, Bogotá, Colombia

EP6.11
Frequency of *Helicobacter pylori* cagA, dupA and vacA genotypes and their association with severity of gastric pathologies in clinical patients in midwestern Brazil
Mônica Barbosa, Goiânia, Brazil

**EP6.12**
Comparative genomic analysis of novel *Helicobacter pylori* strains isolated from domestic cats with gastritis reveals unique genetic profile that may contribute to colonization and pathogenicity in feline hosts
Anthony Mannion, Cambridge, United States

**EP6.13**
Current worldwide population structure of *Helicobacter pylori*
Roberto Torres, Shanghai, China

**EP6.14**
Muller’s ratchet-like effect in *Helicobacter pylori*, a highly recombining bacterial species.
Elise Tourrette, Shanghai, China

**EP6.15**
Characterization of *Helicobacter pylori* Infection in the upper gastrointestinal tract of Twins.
Alexander Link, Magdeburg, Germany

### Electronic Poster Round 7: Helicobacter and extragastroduodenal disease

**EP7.01**
A potential association between *Helicobacter pylori* infection and metabolic syndrome-related nonalcoholic fatty liver disease severity
Jannis Kountouras, Thessaloniki, Macedonia, Greece

**EP7.02**
Impact of *Helicobacter pylori* eradication on the risk of incident nonalcoholic fatty liver disease
Hyuk Lee, Seoul, Korea, Republic of

**EP7.03**
Cohort study of *Helicobacter pylori* infection and the risk of Incident osteoporosis in women
Hyuk Lee, Seoul, Korea, Republic of

**EP7.04**
The prevalence of *Helicobacter pylori* and the structure of the gastric mucosa in elderly patients with GERD
Vladislav Tsukanov, Krasnoyarsk, Russian Federation

**EP7.05**
Clinical implication of *Helicobacter pylori* infection for eosinophilic esophagitis : A single center experience
Eun Ji Lee, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea, Republic of

**EP7.06**
The features of *Helicobacter pylori* infection and gastrointestinal manifestations of allergy in children of Eastern Siberia
Anna Barilo, Krasnoyarsk, Russian Federation

**EP7.07**
*H. pylori* prevalence in individuals with allergic disease in the Latvian population
Jelizaveta Aleksejeva, Riga, Latvia

**EP7.08**
*Helicobacter pylori* outer membrane vesicles induce astrocyte reactivity
Esteban Palacios, Santiago, Chile

**EP7.09**
Strain specific pathological changes in the liver of mice infected with *Helicobacter pylori* (*H. pylori*).
Sadia Khalid, Tallinn, Estonia

**EP7.10**
Helicobacter pylori-induced inflammatory response mediates invadosome formation and emergence of hybrid epithelial mesenchymal phenotype in infected hepatocytes  
Olga Smirnova, Tallinn, Estonia

EP7.11  
Role of Helicobacters in Idiopathic Parkinsonism: a systematic review  
Rosalind Tucker, London, United Kingdom

EP7.12  
H. pylori Associated to Irritable Bowel Syndrome (IBS)  
Adriana Barrios, Quetzaltenango, Guatemala

Electronic Poster Round 8: Paediatric conditions

EP8.01  
The peculiarities of stomach mucosa in Helicobacter pylori schoolchildren  
Tamara Polivanova, Krasnoyarsk, Russian Federation

EP8.02  
Cytokines in Helicobacter pylori-associated gastritis in children with a family predisposition to gastric pathology  
Tamara Polivanova, Krasnoyarsk, Russian Federation

EP8.03  
Cytokeratins CK20, CK7 in assessing the severity of lesions of the gastric mucosa in schoolchildren with Helicobacter pylori associated gastritis  
Tamara Polivanova, Krasnoyarsk, Russian Federation

EP8.04  
Levels of IL-2, IL-4 with erosive and ulcerative lesions of the gastroduodenal zone associated with Helicobacter pylori in schoolchildren with pathology of the digestive tract in parents  
Tamara Polivanova, Krasnoyarsk, Russian Federation

EP8.05  
Is CDX2 in children an immunohistochemical marker for the adverse course of gastritis?  
Tamara Polivanova, Krasnoyarsk, Russian Federation

EP8.06  
The relationship of blood leptin with Helicobacter pylori in children  
Tamara Polivanova, Krasnoyarsk, Russian Federation

EP8.07  
Chronic Helicobacter pylori infection in Siberian adolescents with gastroesophageal reflux disease (GERD)  
Sergey Tereshchenko, Krasnoyarsk, Russian Federation

EP8.08  
Efficacy of standard triple therapy in the eradication of Helicobacter pylori in Siberian children: a single centre experience of treatment outcomes  
Sergey Tereshchenko, Krasnoyarsk, Russian Federation

EP8.09  
Effect of Helicobacter pylori on the formation of erosive-ulcerative lesions of the gastroduodenal zone, GERD and their associative relationship  
Tamara Polivanova, Krasnoyarsk, Russian Federation

EP8.10  
Application of liquid probiotic concentrate for gastroduodenitis of Helicobacter etiology in children  
Olga Obukhova, Novosibirsk, Russian Federation

EP8.11  
H. pylori infection in symptomatic Mexican children  
Omaha Celestino-Perez, Mexico City, Mexico

Electronic Poster Round 9: Upper GI microbiota in health and disease
EP9.01
Treatment of non-erosive reflux disease and change of esophageal microbiome: A prospective multicenter study
Sang Kil Lee, Seoul, Korea, Republic of

EP9.02
Treatment of non-erosive reflux disease and dynamics of the esophageal microbiome: A prospective multicenter study
Chan Hyuk Park, Guri, Korea, Republic of

EP9.03
*Helicobacter pylori* and the possible probiotic *Lactobacillus salivarius* co-exist in Estonian gastric biopsy sample
Kaisa Roots, Tallinn, Estonia

**Electronic Poster Round 10: Gut microbiota and non-intestinal disease**

EP10.01
Effect of fecal microbiota transplantation on clearance of carbapenem resistant enterobacteraceae
yong woon Shin, Incheon, Korea, Republic of

EP10.02
Gut microbiota depending on the atopic dermatitis severity in children in Eastern Siberia
Anna Barilo, Krasnoyarsk, Russian Federation

EP10.03
Watercress and the gut
Kyle Stewart, Newton Abbot, Devon, United Kingdom

**Electronic Poster Round 11: Microbiota and intestinal disease**

EP11.01
Trimebutine maleate as a multidimensional-antibacterial agent against functional dyspepsia: a prospective multicenter randomized, double-blind controlled trial
Jannis Kountouras, Thessaloniki, Greece

EP11.02
Gut microbiota disorders in patients with inflammatory bowel diseases
Natalia Baryshnikova, St-Petersburg, Russian Federation

EP11.03
Comparison of glucose and lactulose breath test results for detecting small intestinal bacterial overgrowth
Arta Denina, Riga, Latvia

EP11.04
The prevalence of *Helicobacter pylori* and protozoan invasions and the impact on the performance of enzymic digestions
Guzel Isaeva, Kazan, Russian Federation

EP11.05
Fecal Microbiota Transplantation as treatment for recurrent *Clostridiodes difficile* infection in patients with Inflammatory Bowel Disease: Experiences of the Netherlands Donor Feces Bank
Emilie van Lingen, Leiden, Netherlands

EP11.06
A considerable rate of COVID-19 GI symptoms is associated with antimicrobial therapy: findings from a large western prospective cohort
Serena Porcari, Rome, Italy

**Electronic Poster Round 12: Microbiota and cancer**
EP12.01
The clinical outcomes of treatment for low grade gastric mucosa associated lymphoid tissue lymphoma unresponsive to Helicobacter pylori eradication
Sunah Suk, Seoul, Korea, Republic of

Electronic Poster Round 13: Gut microbiota manipulation

EP13.01
Initial experience of the first Brazilian stool bank with fecal microbiota transplantation for recurrent Clostridioides difficile infection
Luiz Gonzaga Coelho, Belo Horizonte, Brazil

EP13.02
Impact of high fat diets with different content of unsaturated fatty acids on hydrogen gas generation by the gut microbiota in rats
Anastasiia Ivanova, Moscow, Russian Federation

Electronic Poster Round 14: Microbiota detection and analyses

EP14.01
Circulating blood microbiome signatures in patients with liver cirrhosis: association between clinical parameters, circulating taxa and inflammatory cytokines
Rolandas Gedgaudas, Kaunas, Lithuania

EP14.02
Laboratory assessment of a device prototype for Methane and Hydrogen breath testing
Elena Kolomina, St. Petersburg, Russian Federation

EP14.03
Multiparameter flow cytometric enumeration of the commercial probiotic products
Katarzyna Sielatycka, Szczecin, Poland

EP14.04
In-depth comparison of different platforms for high throughput sequencing microbiome analyses of gastric mucosa
Alexander Link, Magdeburg, Germany
LIVE SESSIONS

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All sessions include pre-recordings as well as a live component. We want to make sure to retain as much human interaction as possible.
Prior to the session, all lectures are recorded and uploaded to our system. They need to be of an exact length (as indicated in your information mailing) to ensure smooth development of the session.
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After each lecture, there is some time reserved for a discussion with the chairperson. Lecturers and chairpersons therefore need to be online at the scheduled timeslot. They will discuss questions from the audience or further details of the session. This is the same procedure for all lectures.

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