

**Nederlandse Vereniging voor Gastroenterologie** **Livestreamsessie 9 september 17.00 uur**

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Voorzitters: P.D. Siersema en C.J. van der Woude

**Tytgat Lecure**

Stamcellen 'Dr. Jekyll of Mr. Hyde'

*Prof. dr. J.C. Clevers*

**Uitreiking Frieda den Hartog Jager prijs**

gevolgd door voordracht - Elderly patients with hepatopancreatobiliary cancer – to operate or not?

*Prof. dr. C.H.C. Dejong, chirurg, MUMC*

**President Select met abstractpresentaties**

**Livestreamsessie 9 september 17.30 uur**

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Voorzitters: P.D. Siersema en C.J. van der Woude

**Feasibility of volatile organic compound in breath analysis in the follow-up of colorectal cancer**

*E.G.M. Steenhuis<sup>1</sup>, I.J.H. Schoenaker<sup>2</sup>, J.W.B. de Groot<sup>3</sup>, H.B. Fiebrich<sup>3</sup>, J.C. de Graaf<sup>3</sup>, R.M. Brohet<sup>4</sup>, J.D. van Dijk<sup>4</sup>, H.L. van Westreenen<sup>2</sup>, P.D. Siersema<sup>5</sup>, W.H. de Vos tot Nederveen Cappel<sup>1</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, Isala, Zwolle, The Netherlands. <sup>2</sup>Dept. of Surgery, Isala, Zwolle, The Netherlands. <sup>3</sup>Dept. of Gastrointestinal Oncology, Isala, Zwolle, The Netherlands. <sup>4</sup>Dept. of Scientific Research, Isala, Zwolle, The Netherlands. <sup>5</sup>Dept. of Gastroenterology and Hepatology, Radboudumc, Nijmegen, The Netherlands.*

**Pneumatic dilation for persistent dysphagia after antireflux surgery, a multicenter randomized sham-controlled clinical trial**

*J.M. Schuitemaker<sup>1</sup>, F.B. van Hoeij<sup>2</sup>, M.P. Schijven<sup>3</sup>, A. Pauwels<sup>4</sup>, J. Tack<sup>4</sup>, J.M. Conchillo<sup>5</sup>, E.J. Hazebroek<sup>6</sup>, A.J.P.M. Smout<sup>1</sup>, A.J. Bredenoord<sup>1</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, Amsterdam UMC, loc. AMC, Amsterdam. <sup>2</sup>Dept. of Gastroenterology and Hepatology, Amsterdam UMC, Amsterdam. <sup>3</sup>Dept. of Surgery, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>4</sup>Dept. of Gastroenterology and Hepatology, University Hospitals KU Leuven, Leuven, Belgium. <sup>5</sup>Dept. of Gastroenterology and Hepatology, Maastricht University Medical Center, Maastricht, The Netherlands. <sup>6</sup>Dept. of Surgery, Rijnstate Ziekenhuis, Arnhem.*

**Life stage associated environmental factors influence the development of inflammatory bowel disease: a large case-control study in The Netherlands**

*K.W.J. van der Sloot<sup>1</sup>, R.K. Weersma<sup>1</sup>, B.Z. Alizadeh<sup>2</sup>, G. Dijkstra<sup>1</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, University Medical Center Groningen, Groningen, The Netherlands. <sup>2</sup>Dept. of Epidemiology, University Medical Center Groningen, Groningen, The Netherlands.*

*Einde programma 17.30*

*Na dit programma volgt een algemene ledenvergadering van de NVGE waarvoor u zich separaat moet opgeven.*

Voorzitters NVGIC: P. van Duijvendijk en D. Roos

**Safety of selective histopathological examination following cholecystectomy for presumed benign gallbladder disease: a systematic review and meta-analysis**

V.P. Bastiaenen<sup>1</sup>, J.E. Tuijpt<sup>2</sup>, S. van Dieren<sup>1</sup>, M.G.H. Besselink<sup>1</sup>, T.M. van Gulik<sup>1</sup>, L. Koens<sup>1</sup>, P.J. Tanis<sup>1</sup>, W.A. Bemelman<sup>1</sup>, <sup>1</sup>Dept. of Surgery, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Dept. of Surgery, Amsterdam UMC, Amsterdam, The Netherlands.

**Consensus on the definition of colorectal anastomotic leakage using a modified delphi method**

C.P.M. van Helsingen<sup>1</sup>, A.C.H.M. Jongen<sup>2</sup>, W.J. de Jonge<sup>1</sup>, N.D. Bouvy<sup>2</sup>, J.P.M. Derikx<sup>3</sup>, <sup>1</sup>Tytgat Institute for Liver and Intestinal Research, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Dept. of Surgery, Maastricht University Medical Center, Maastricht, The Netherlands. <sup>3</sup>Dept. of Surgery, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands.

**Short-term outcomes after total pancreatectomy: a european prospective modified-snapshot study**

A.E.J. Latenstein<sup>1</sup>, L. Scholten<sup>1</sup>, M. Erkan<sup>2</sup>, J. Kleeff<sup>3</sup>, M. Lesurtel<sup>4</sup>, M.G. Besselink<sup>1</sup>, J.M. Ramia-Angel<sup>5</sup>, <sup>1</sup>Dept. of Surgery, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Dept. of Surgery, Koc University Hospital, Istanbul, Turkey. <sup>3</sup>Dept. of Surgery, Martin Luther University, Halle, Germany. <sup>4</sup>Dept. of Surgery, University Hospital of Zurich, Zürich, Switzerland. <sup>5</sup>Dept. of Surgery, University Hospital Guadalajara, Guadalajara, Spain.

**Limited wedge resection for colon polyps - preliminary results of the limeric-study**

L.W. Leicher<sup>1</sup>, J.F. Huisman<sup>1</sup>, W.M.U. van Grevenstein<sup>2</sup>, P. Didden<sup>3</sup>, Y. Backes<sup>3</sup>, G.J.A. Offerhaus<sup>4</sup>, M.M. Lacle<sup>4</sup>, F.C.P. Moll<sup>5</sup>, J.M.J. Geesing<sup>6</sup>, N. Smakman<sup>7</sup>, J.S. Terhaar sive Droste<sup>8</sup>, E.G.G. Verdaasdonk<sup>9</sup>, F. ter Borg<sup>10</sup>, A.K. Talsma<sup>11</sup>, G.W. Erkelens<sup>12</sup>, E.S. van der Zaag<sup>13</sup>, R.W.M. Schrauwen<sup>14</sup>, B.J. van Wely<sup>15</sup>, I. Schot<sup>16</sup>, M. Vermaas<sup>17</sup>, J.D. van Bergeijk<sup>18</sup>, C. Sietses<sup>19</sup>, W.L. Hazen<sup>20</sup>, D.K. Wasowicz<sup>21</sup>, D. Ramsoekh<sup>22</sup>, J.B. Tuynman<sup>23</sup>, Y.A. Alderlieste<sup>24</sup>, R.J. Renger<sup>25</sup>, F.A. Oort<sup>26</sup>, E.J. Spi lenaar Bilgen<sup>27</sup>, H.F.A. Vasen<sup>28</sup>, W.H. de Vos tot Nederveen Cappel<sup>1</sup>, L.M.G. Moons<sup>3</sup>, H.L. van Westreenen<sup>29</sup>, <sup>1</sup>Dept. of Gastroenterology and Hepatology, Isala, Zwolle, The Netherlands. <sup>2</sup>Dept. of Surgery, University Medical Center Utrecht, Utrecht, The Netherlands. <sup>3</sup>Dept. of Gastroenterology and Hepatology, University Medical Center Utrecht, Utrecht, The Netherlands. <sup>4</sup>Dept. of Pathology, University Medical Center Utrecht, Utrecht, The Netherlands. <sup>5</sup>Dept. of Pathology, Isala, Zwolle, The Netherlands. <sup>6</sup>Dept. of Gastroenterology and Hepatology, Diaconessenhuis, Utrecht, The Netherlands. <sup>7</sup>Dept. of Surgery, Diaconessenhuis, Utrecht, The Netherlands. <sup>8</sup>Dept. of Gastroenterology and Hepatology, Jeroen Bosch Ziekenhuis, Den Bosch, The Netherlands. <sup>9</sup>Dept. of Surgery, Jeroen Bosch Ziekenhuis, Den Bosch, The Netherlands. <sup>10</sup>Dept. of Gastroenterology and Hepatology, Deventer Ziekenhuis, Deventer, The Netherlands. <sup>11</sup>Dept. of Surgery, Deventer Ziekenhuis, Deventer, The Netherlands. <sup>12</sup>Dept. of Gastroenterology and Hepatology, Gelre Ziekenhuizen, Apeldoorn, The Netherlands. <sup>13</sup>Dept. of Surgery, Gelre Ziekenhuizen, Apeldoorn, The Netherlands. <sup>14</sup>Dept. of Gastroenterology and Hepatology, Bernhoven, Uden, The Netherlands. <sup>15</sup>Dept. of Surgery, Bernhoven, Uden, The Netherlands. <sup>16</sup>Dept. of Gastroenterology and Hepatology, IJsselland Ziekenhuis, Capelle aan den IJssel, The Netherlands. <sup>17</sup>Dept. of Surgery, IJsselland Ziekenhuis, Capelle aan den IJssel, The Netherlands. <sup>18</sup>Dept. of Gastroenterology and Hepatology, Gelderse Vallei, Ede, The Netherlands. <sup>19</sup>Dept. of Surgery, Gelderse Vallei, Ede, The Netherlands. <sup>20</sup>Dept. of Gastroenterology and Hepatology, Elisabeth Tweesteden Ziekenhuis, Tilburg, The Netherlands. <sup>21</sup>Dept. of Surgery, Elisabeth Tweesteden Ziekenhuis, Tilburg, The Netherlands. <sup>22</sup>Dept. of Gastroenterology and Hepatology, Amsterdam UMC, loc. VUmc, Amsterdam, The Netherlands. <sup>23</sup>Dept. of Surgery, Amsterdam UMC, loc. VUmc, Amsterdam, The Netherlands. <sup>24</sup>Dept. of Gastroenterology and Hepatology, Rivas, Gorinchem, The Netherlands. <sup>25</sup>Dept. of Surgery, Rivas, Gorinchem, The Netherlands. <sup>26</sup>Dept. of Gastroenterology and Hepatology, Rijnstate Ziekenhuis, Arnhem, The Netherlands. <sup>27</sup>Dept. of Surgery, Rijnstate Ziekenhuis, Arnhem, The Netherlands. <sup>28</sup>Dept. of Gastroenterology and Hepatology, Leiden University Medical Center, Leiden, The Netherlands. <sup>29</sup>Dept. of Surgery, Isala, Zwolle, The Netherlands.

**Lecture: "Diagnostiek en behandeling van colorectale peritoneale metastasen"**

Dr. I.H.J.T. de Hingh, chirurg, Catharina Ziekenhuis, Eindhoven

Voorzitters NVCO: A. Witkamp en S. Kruijf

**Population-based study on practice variation regarding preoperative systemic chemo-therapy in patients with colorectal liver metastases and impact on short-term outcomes**

A.K.E. Elfrink<sup>1</sup>, N.F.M. Kok<sup>2</sup>, L.R. van der Werf<sup>3</sup>, M.F. Krul<sup>2</sup>, E. Marra<sup>4</sup>, M.W.J.M. Wouters<sup>2</sup>, C. Verhoef<sup>5</sup>, K.F.D. Kuhlmann<sup>2</sup>, M. den Dulk<sup>6</sup>, R.J. Swijnenburg<sup>7</sup>, W.W. te Riele<sup>8</sup>, P.B. van den Boezem<sup>9</sup>, W.K.G. Leclercq<sup>10</sup>, D.J. Lips<sup>11</sup>, V.B. Nieuwenhuijs<sup>12</sup>, P.D. Gobardhan<sup>13</sup>, H.H. Hartgrink<sup>14</sup>, C.I. Buis<sup>1</sup>, D.J. Grünhagen<sup>5</sup>, J.M. Klaase<sup>1</sup>, <sup>1</sup>Dept. of Gastrointestinal Surgery, University Medical Center Groningen, Groningen, The Netherlands. <sup>2</sup>Dept. of Gastrointestinal Surgery, Antoni van Leeuwenhoek - Netherlands Cancer Institute, Amsterdam, The Netherlands. <sup>3</sup>Dept. of Gastrointestinal Surgery, DICA, Leiden, The Netherlands. <sup>4</sup>Dept. of Clinical Epidemiology, DICA, Leiden, The Netherlands. <sup>5</sup>Dept. of Gastrointestinal Surgery, Erasmus Medical Center, Rotterdam, The Netherlands. <sup>6</sup>Dept. of Gastrointestinal Surgery, Maastricht University Medical Center, Maastricht, The Netherlands. <sup>7</sup>Dept. of Gastrointestinal Surgery, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>8</sup>Dept. of Gastrointestinal Surgery, St. Antonius Ziekenhuis, Nieuwegein, The Netherlands. <sup>9</sup>Dept. of Gastrointestinal Surgery, Radboudumc, Nijmegen, The Netherlands. <sup>10</sup>Dept. of Gastrointestinal Surgery, Máxima Medisch Centrum, Veldhoven / Eindhoven, The Netherlands. <sup>11</sup>Dept. of Gastrointestinal Surgery, Medisch Spectrum Twente, Enschede, The Netherlands. <sup>12</sup>Dept. of Gastrointestinal Surgery, Isala, Zwolle, The Netherlands. <sup>13</sup>Dept. of Gastrointestinal Surgery, Amphia Ziekenhuis, Breda, The Netherlands. <sup>14</sup>Dept. of Gastrointestinal Surgery, Leiden University Medical Center, Leiden, The Netherlands.

**The role of staging laparoscopy in gastric cancer. a population-based cohort study**

A.B.J. Borgstein, M.I. van Berge Henegouwen, W. Lameris, W.J. Eshuis, S.S. Gisbertz, Dept. of Surgery, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands.

**Cancer recurrence in patients with a pathologically complete response after neoadjuvant chemo-radiotherapy and surgery for oesophageal cancer: a retrospective cohort study**

M. de Jongh<sup>1</sup>, L.R. van der Werf<sup>1</sup>, B.M. Eyck<sup>1</sup>, E.L.A. Toxopeus<sup>1</sup>, S.M. Lagarde<sup>1</sup>, J.J.B. van Lanschoot<sup>1</sup>, A. van der Gaast<sup>2</sup>, J. Nuyttens<sup>3</sup>, B.P.L. Wijnhoven<sup>1</sup>. <sup>1</sup>Dept. of Surgery, Erasmus Medical Center, Rotterdam, The Netherlands. <sup>2</sup>Dept. of Medical Oncology, Erasmus Medical Center, Rotterdam, The Netherlands. <sup>3</sup>Dept. of Radiation Oncology, Erasmus Medical Center, Rotterdam, The Netherlands.

**State of the art behandeling van PNet**

Prof. dr. I.H.M. Borel Rinkes, chirurg, UMC Utrecht

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Voorzitters: E.M.M. Kuiper en R.J. de Knegt

**Thema: NASH; pillen of het mes erin**

Presentatie casus

*B.O.M. Pauwels, aios MDL, MUMC, Maastricht*

Biomarkers en mechanismen NASH

*Dr. A.G. Holleboom, internist-endocrinoloog, Amsterdam UMC, loc AMC, Amsterdam*

Klinische work-up en medicamenteuze behandeling

*Dr. M.E. Tushuizen, MDL-arts, LUMC, Leiden*

Bariatric voor de behandeling van NASH

*Prof. dr. E.J. Hazebroek, chirurg, Rijnstate ziekenhuis, Arnhem*

Voorzitter: M. E. Wildenberg

Spreektaal in deze sessie is Engels

**Transforming growth factor- $\beta$  signalling in cancer-associated fibroblasts drives an il6 family cytokine dependent pro-metastatic inflammatory program in hepatocytes**

*T.J. Harrijvan<sup>1</sup>, S.H. van der Burg<sup>2</sup>, E. van der Wel<sup>1</sup>, J.C.H. Hardwick<sup>1</sup>, E.M.E. Verdegaa<sup>2</sup>, L.J.A.C. Hawinkels<sup>1</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, Leiden University Medical Center, Leiden, The Netherlands. <sup>2</sup>Dept. of Medical Oncology, Leiden University Medical Center, Leiden, The Netherlands.*

**Supramolecular structure of dietary fat in early life modulates small intestinal gene expression related to epithelial barrier function and defence in mice**

*M. Mischke<sup>1</sup>, A. Vincent<sup>2</sup>, B. Duchêne<sup>2</sup>, R. Vasseur<sup>2</sup>, A. Oosting<sup>1</sup>, J. Knol<sup>1</sup>, I. van Seuningen<sup>2</sup>, I.B. Renes<sup>1</sup>. <sup>1</sup>Dept. of Gut Biology & Microbiology, Danone Nutricia Research, Utrecht, The Netherlands. <sup>2</sup>Dept. of Mucins, Epithelial Differentiation and Carcinogenesis, Université de Lille, Centre de Recherche Jean-Pierre Aubert, Lille, France.*

**Fibroblast specific loss of the bone morphogenetic protein signalling initiates polyp formation in the mouse intestine**

*S. Ouahoud<sup>1</sup>, L.R.A. van der Burg<sup>1</sup>, P.W. Voorneveld<sup>1</sup>, E.S.M. de Jonge-Muller<sup>1</sup>, G.J. Offerhaus<sup>2</sup>, L.J.A.C. Hawinkels<sup>1</sup>, J.C.H. Hardwick<sup>1</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, Leiden University Medical Center, Leiden, The Netherlands. <sup>2</sup>Dept. of Pathology, University Medical Center Utrecht, Utrecht, The Netherlands.*

**Interleukin-28a induces epithelial barrier dysfunction in ibd patient-derived intestinal organoids**

*P. Xu, H. Becker, M. Elizalde, M. Pierik, A. Masclee, D. Jonkers, Dept. of Gastroenterology and Hepatology, Maastricht University Medical Center, Maastricht, The Netherlands.*

**Lecture: “Perinatal stress and early gut development: lessons from ovine models”**

*Dr. T.G.A.M. Wolfs, hoofd laboratorium Kindergeneeskunde, MUMC*

**A human 2d organoid model to study gut barrier maturation and host-pathogen interaction in the small intestine**

*M. Navis<sup>1</sup>, T. Roodsant<sup>2</sup>, I. Aknouch<sup>3</sup>, I.B. Renes<sup>4</sup>, R.M. van Elburg<sup>4</sup>, D. Pajkrt<sup>5</sup>, K.C. Wolthers<sup>3</sup>, C. Schultsz<sup>2</sup>, K.C.H. van der Ark<sup>2</sup>, A. Sridhar<sup>2</sup>, V. Muncan<sup>1</sup>. <sup>1</sup>Tytgat Institute for Liver and Intestinal Research, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Dept. of Medical Microbiology, Amsterdam UMC, Amsterdam, The Netherlands. <sup>3</sup>Dept. of Medical Microbiology, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>4</sup>Dept. of Pediatrics, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>5</sup>Dept. of Pediatrics, Amsterdam UMC, Amsterdam, The Netherlands.*

**Iga coating of intestinal microbiota is associated with inflammatory bowel disease in twin pairs discordant for inflammatory bowel disease**

*E.C. Brand<sup>1</sup>, Y. Laenen<sup>2</sup>, F. van Wijk<sup>3</sup>, M.R. de Zoete<sup>4</sup>, B. Oldenburg<sup>1</sup>, <sup>1</sup>Dept. of Gastroenterology and Hepatology, University Medical Center Utrecht, Utrecht, The Netherlands. <sup>2</sup>Dept. of Infectious Diseases and Immunology, University Medical Center Utrecht, Utrecht, The Netherlands. <sup>3</sup>Centre for Translational Immunology, University Medical Center Utrecht, Utrecht, The Netherlands. <sup>4</sup>Dept. of Medical Microbiology, University Medical Center Utrecht, Utrecht, The Netherlands.*

**Curdlan feeding in mice improves dss colitis and enhances bifidobacteria presence in the intestinal microbiome**

*S. Rahman<sup>1</sup>, M. Davids<sup>2</sup>, P.H.P. van Hamersveld<sup>1</sup>, O. Welting<sup>1</sup>, S. Meijer<sup>3</sup>, R. van den Wijngaard<sup>1</sup>, T. Hakvoort<sup>1</sup>, W.J. de Jonge<sup>1</sup>, S.E.M. Heinsbroek<sup>1</sup>, <sup>1</sup>Tytgat Institute for Liver and Intestinal Research, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Van Creveldekliniek, Dept. of Benign Hematology, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>3</sup>Centre for Trauma and Surgery and GI Physiology Unit, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands.*

**Macrophages in crohn's disease mesentery are predominantly inflammatory and produce calprotectin**

*M.A.J. Becker<sup>1</sup>, F.M. Bloemendaal<sup>1</sup>, P.J. Koelink<sup>2</sup>, J.D. van der Bilt<sup>3</sup>, W.A. Bemelman<sup>3</sup>, G.R.A.M. D'Haens<sup>4</sup>, C.J. Buskens<sup>3</sup>, M.E. Wildenberg<sup>1</sup>, <sup>1</sup>Dept. of Gastroenterology and Hepatology, Tytgat Institute, Amsterdam, <sup>2</sup>Dept. of Gastroenterology and Interventional Endoscopy, Tytgat Institute, Amsterdam, <sup>3</sup>Dept. of Surgery, Amsterdam UMC, loc. AMC, Amsterdam, <sup>4</sup>Dept. of Gastroenterology and Hepatology, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands.*

*Voorzitters: E.J. Schoon en collega*

**Diagnosis and treatment of pancreatic duct disruption or disconnection: an international expert survey and case vignette study**

*L. Boxhoorn<sup>1</sup>, H.C. Timmerhuis<sup>2</sup>, M.G. Besselink<sup>3</sup>, T.L. Bollen<sup>4</sup>, M.J. Bruno<sup>5</sup>, B.J. Elmunzer<sup>6</sup>, P. Fockens<sup>1</sup>, K.D. Horvath<sup>7</sup>, R.C. Verdonk<sup>8</sup>, H.C. van Santvoort<sup>2</sup>, R.P. Voermans<sup>1</sup>. 1Dept. of Gastroenterology and Hepatology, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. 2Dept. of Surgery, St. Antonius Ziekenhuis, Nieuwegein, The Netherlands. 3Dept. of Surgery, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. 4Dept. of Radiology, St. Antonius Ziekenhuis, Nieuwegein, The Netherlands. 5Dept. of Gastroenterology and Hepatology, Erasmus Medical Center, Rotterdam, The Netherlands. 6Dept. of Gastroenterology and Hepatology, Medical University of South Carolina, Charleston, United States Of America. 7Dept. of Surgery, University of Washington, Seattle, United States Of America. 8Dept. of Gastroenterology and Hepatology, St. Antonius Ziekenhuis, Nieuwegein, The Netherlands.*

**Effectiveness and safety of laparoscopy-assisted transgastric endoscopic retrograde cholangiography in a large population of patients with roux-and-y gastric bypass**

*L.M. Koggel<sup>1</sup>, M.J.M. Groenen<sup>1</sup>, R.J. Robijn<sup>1</sup>, B.P.L. Witteman<sup>2</sup>, P.J. Wahab<sup>1</sup>, J.M. Vrolijk<sup>1</sup>. 1Dept. of Gastroenterology and Hepatology, Rijnstate Ziekenhuis, Nijmegen, The Netherlands. 2Dept. of Surgery, Rijnstate Ziekenhuis, Nijmegen, The Netherlands.*

**Duodenal mucosal resurfacing combined with glp-1 receptor agonism may eliminate insulin treatment in type 2 diabetes while improving glycaemic control and overall metabolic health**

*S. Meiring<sup>1</sup>, A. van Baar<sup>2</sup>, P. Smeele<sup>2</sup>, T. Vriend<sup>3</sup>, F. Holleman<sup>4</sup>, M. Barlag<sup>5</sup>, N. Mostafavi<sup>2</sup>, J.G.P. Tijssen<sup>6</sup>, M.R. Soeters<sup>7</sup>, M. Nieuwdorp<sup>4</sup>, J.J.G.H.M Bergman<sup>2</sup> 1Dept. of Gastroenterology and Hepatology, Amsterdam UMC, loc. VUmc, Amsterdam, The Netherlands. 2Dept. of Gastroenterology and Hepatology, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. 3Dept. of Dietetics, Amsterdam UMC, Amsterdam, The Netherlands. 4Dept. of Internal Medicine, Amsterdam UMC, Amsterdam, The Netherlands. 5Dept. of Gastroenterology and Hepatology, Amsterdam UMC, Amsterdam, The Netherlands. 6Dept. of Scientific Research, Amsterdam UMC, Amsterdam, The Netherlands. 7Dept. of Gastroenterology, Hepatology and Endocrinology, Amsterdam UMC, Amsterdam, The Netherlands.*

**Recurrent neoplasia after endoscopic treatment for barrett's neoplasia is rare and random biopsies do not contribute to its detection: results from a nationwide cohort including all 1,154 patients treated in The Netherlands between 2008 and 2018**

*S.N. van Munster<sup>1</sup>, E.A. Nieuwenhuis<sup>1</sup>, B.L.A.M. Weusten<sup>2</sup>, L. Alvarez Herrero<sup>2</sup>, A. Bogte<sup>3</sup>, A. Alkhalaf<sup>4</sup>, B.E. Schenk<sup>4</sup>, E. Schoon<sup>5</sup>, W. Curvers<sup>6</sup>, A.D. Koch<sup>7</sup>, S.E.M. van de Ven<sup>7</sup>, P.J.F. de Jonge<sup>7</sup>, T. Tang<sup>8</sup>, W.B. Nagengast<sup>9</sup>, F.T.M. Peters<sup>9</sup>, J. Westerhof<sup>9</sup>, M.H.M.G. Houben<sup>10</sup>, J.J.G.H.M Bergman<sup>1</sup>, R.E. Pouw<sup>1</sup> 1Dept. of Gastroenterology and Hepatology, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. 2Dept. of Gastroenterology and Hepatology, Antonius Ziekenhuis, Nieuwegein, The Netherlands. 3Dept. of Gastroenterology and Hepatology, University Medical Center Utrecht, Utrecht, The Netherlands. 4Dept. of Gastroenterology and Hepatology, Isala, Zwolle, The Netherlands. 5Dept. of Gastroenterology and Hepatology, Catharina ziekenhuis, Eindhoven, The Netherlands. 6Dept. of Gastroenterology and Hepatology, Catharina Ziekenhuis, Eindhoven, The Netherlands. 7Dept. of Gastroenterology and Hepatology, Erasmus Medical Center, Rotterdam, The Netherlands. 8Dept. of Gastroenterology and Hepatology, IJsselland Ziekenhuis, Capelle aan den IJssel, The Netherlands. 9Dept. of Gastroenterology and Hepatology, University Medical Center Groningen, Groningen, The Netherlands. 10Dept. of Gastroenterology and Hepatology, Haga Ziekenhuis, Den Haag, The Netherlands.*

**Post-ercp infections caused by contaminated duodenoscopes**

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### **Improving optical diagnosis of colorectal polyps using computer-aided diagnosis (cadx)**

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### **Artificial intelligent algorithm detects barrett neoplasia with high diagnostic accuracy during live endoscopic procedures**

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### **Patency of eus-guided gastroenterostomy in the treatment of malignant gastric outlet obstruction**

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### **Lecture: “Intestinale metaplasie van de maag: hoe te detecteren en hoe te vervolgen?”**

*Prof. dr. R. Bisschops, MDL-arts, UZ Leuven, België*



Voorzitters: N. van Lelyveld en V.M.C.W. Spaander

**10-year follow-up of a randomised controlled trial comparing neoadjuvant chemoradiotherapy plus surgery versus surgery alone for oesophageal or junctional cancer (cross)**

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**Decompressing stoma versus emergency resection for left-sided obstructive colon cancer: a nationwide, propensity score matched study**

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**Accuracy of mri for clinical staging of early rectal cancer: a large population-based cohort study**

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### **Individual risk calculator to predict lymph node metastases in patients with submucosal (t1b) esophageal adenocarcinoma: multicenter cohort study**

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### **Lecture: Premaligne maagafwijkingen, wat moeten we er mee?**

Prof. dr. V.M.C.W. Spaander, MDL-arts, Erasmus MC

### **Poor diagnostic accuracy of serum igg4/igg rna ratio for discriminating igg4-related disease from pancreatic or biliary cancer (dipac): a prospective cohort study**

E.S. de Vries<sup>1</sup>, F.R. Tielbeke<sup>1</sup>, L.M. Hubers<sup>1</sup>, J.T. Helder<sup>1</sup>, N. Mostafavi<sup>1</sup>, J. Verheij<sup>2</sup>, J.E. van Hooft<sup>1</sup>, P. Fockens<sup>1</sup>, M.G. Besselink<sup>3</sup>, N. de Vries<sup>4</sup>, U. Beuers<sup>1</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, <sup>2</sup>Dept. of Pathology, <sup>3</sup>Dept. of Surgery, <sup>4</sup>Dept. of Immunopathology, Amsterdam UMC, Amsterdam, The Netherlands.

### **Extremely sensitive next generation sequencing mutation analysis in biliary brush has a high diagnostic accuracy to distinguish benign and malignant strictures in primary sclerosing cholangitis**

E.J.C.A. Kamp<sup>1</sup>, W.N.M. Dinjens<sup>2</sup>, M.F. van Velthuysen<sup>2</sup>, J.W. Poley<sup>1</sup>, M.J. Bruno<sup>1</sup>, M.P. Peppelenbosch<sup>1</sup>, A.C. de Vries<sup>1</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, Erasmus Medical Center, Rotterdam, The Netherlands. <sup>2</sup>Dept. of Pathology, Erasmus Medical Center, Rotterdam, The Netherlands.

### **Whole genome dna methylation profiling identifies neuroendocrine tumor origin**

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### **CT-based radiomics for prediction of resectability in pancreatic ductal adenocarcinoma**

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Voorzitters: S.F.G. Jeuring en F.D.M. van Schaik

**Lecture: Nieuwe IBD therapieën: wat komt er aan en hoe gaan we implementeren?**

*Dr. F. Hoentjen, MDL-arts, Radboudumc, Nijmegen*

**Ustekinumab is associated with better effectiveness outcomes when compared to vedolizumab in crohn's disease patients with prior failure to anti-tnf: a comparative effectiveness study**

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**Inflammatory bowel disease (IBD) patients frequently report adverse drug reactions during biologic therapy: a multicentre, prospective, patient-reported pharmacovigilance monitoring system**

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**Prediction model to safely cease anti-tnf therapy in crohn's disease: validation of a predictive diagnostic tool for cessation of anti-tnf treatment in cd in a dutch population**

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**Comorbidity is associated with safety outcomes in vedolizumab and ustekinumab treated inflammatory bowel disease patients**

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### **Lecture: Big data in IBD**

Prof. dr. B. Oldenburg, MDL-arts, UMC Utrecht

### **Platelet-rich stroma injection (prs) as a novel surgical treatment of refractory perianal fistulas in crohn's disease: a pilot study**

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### **Can lifestyle and psychosocial factors predict flares of ibd; an exploratory study using telemedicine**

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### **Colorectal neoplasia risk in patients with inflammatory bowel disease and serrated lesions**

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### **Pd-1 expressing T cells in patients with different types of colitis**

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Voorzitters: J.H. Escher en B. Koot

**An in vitro model that combines digested infant nutrition and gut epithelial cells provides a physiologically relevant model to study gut maturation**

G. Thomassen, M. Mischke, L. Schwebel, E. Abrahamse, J. Knol, I.B. Renes. Dept. of Gut Biology & Microbiology, Danone Nutricia Research, Utrecht, The Netherlands.

**Early life antibiotics influence in vivo and in vitro mouse intestinal epithelium maturation and functioning**

T.M.G. Martins Garcia<sup>1</sup>, R.M. van Elburg<sup>2</sup>, V. Muncan<sup>1</sup>, I.B. Renes<sup>2</sup>. <sup>1</sup>Tytgat Institute for Liver and Intestinal Research, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Dept. of Pediatrics, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands.

**In vitro lipid digestion of infant formula with large phospholipid coated fat droplets is slower than standard infant formula and closer to human milk**

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**Planting the seeds in preventing necrotizing enterocolitis**

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**Lecture 1: Organoids in kinder-MDL onderzoek**

I.F. Schene, arts-onderzoeker, Afdeling Kindergeneeskunde UMC Utrecht

**Complex inheritance explains infantile hypertrophic pyloric stenosis development in patients with esophageal atresia best**

C.A. ten Kate<sup>1</sup>, R.W.W. Brouwer<sup>2</sup>, Y. van Bever<sup>3</sup>, V.K. Martens<sup>3</sup>, T. Brands<sup>3</sup>, N.W.G. van Beelen<sup>4</sup>, A. Brooks<sup>3</sup>, D. Huigh<sup>4</sup>, H. Eussen<sup>3</sup>, W.F.J. van IJcken<sup>2</sup>, H. IJsselstijn<sup>5</sup>, D. Tibboe<sup>5</sup>, R.M.H. Wijnen<sup>4</sup>, A. de Klein<sup>3</sup>, R.M.W. Hofstra<sup>3</sup>, E. Brosens<sup>3</sup>. <sup>1</sup>Dept. of Gastroenterology, Erasmus Medical Center, Rotterdam, The Netherlands. <sup>2</sup>Dept. of Biomedical Data Sciences, Erasmus Medical Center, Rotterdam, The Netherlands. <sup>3</sup>Dept. of Clinical Genetics, Erasmus Medical Center, Rotterdam, The Netherlands. <sup>4</sup>Dept. of Surgery, Erasmus Medical Center, Rotterdam, The Netherlands. <sup>5</sup>Dept. of Pediatrics, Erasmus Medical Center, Rotterdam, The Netherlands.

**Do antibiotics reduce the incidence of infections after percutaneous endoscopic gastrostomy placement in children?**

H. Krom<sup>1</sup>, C.M.W. van den Hoek<sup>2</sup>, M.A. Benninga<sup>1</sup>, E.A. Delemarre<sup>3</sup>, J.R. de Jong<sup>4</sup>, B.G.P. Koot<sup>1</sup>, M.M. Tabbers<sup>1</sup>, H. Voogt<sup>3</sup>, A. Kindermann<sup>1</sup>. <sup>1</sup>Dept. of Pediatric Gastroenterology Hepatology and Nutrition, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Dept. of Pediatrics, Amsterdam UMC, Amsterdam, The Netherlands. <sup>3</sup>Dept. of Pediatric Gastroenterology Hepatology and Nutrition, Amsterdam UMC, Amsterdam, The Netherlands. <sup>4</sup>Dept. of Surgery, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands.

**Cine-MRI versus colonic manometry in the assessment of colon motility in children with functional constipation: a feasibility study**

C.S. de Jonge<sup>1</sup>, M.H. Vriesman<sup>2</sup>, S. Kuizenga-Wessel<sup>2</sup>, B. Adler<sup>3</sup>, C. Di Lorenzo<sup>4</sup>, A. Menys<sup>5</sup>, A.J. Nederveen<sup>1</sup>, J. Stoker<sup>1</sup>, M.A. Benninga<sup>2</sup>. <sup>1</sup>Dept. of Radiology and Nuclear Medicine, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Dept. of Pediatric Gastroenterology Hepatology and Nutrition, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>3</sup>Dept. of Radiology, Nationwide Children's Hospital, Columbus, ohio, United States Of America. <sup>4</sup>Dept. of Gastroenterology and Hepatology, Nationwide Children's Hospital, Columbus, ohio, United States Of America. <sup>5</sup>Dept. of Biometrics, Motilent, London, United Kingdom.

## **Top-down infliximab superior to step-up in children with moderate-to-severe crohn's disease - a multicenter randomized controlled trial**

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## **Lecture 2: Update richtlijnen IBD bij kinderen**

*Prof. dr. J.C. Escher, kinderarts-MDL, Erasmus MC – Sophia Kinderziekenhuis, Rotterdam*

Voorzitters: F. van Hoeij en A.J.P.M. Smout

**Lecture: Recent advances in the treatment of achalasia**

*Froukje van Hoeij, aios MDL, Onze Lieve Vrouwe Gasthuis, Amsterdam*

**Oral or intragastric delivery of the bitter tastant quinine does not influence food intake**

*T. Klaassen<sup>1</sup>, D. Keszthelyi<sup>1</sup>, A.M.E. Alleleyn<sup>1</sup>, E. Wilms<sup>1</sup>, A. Bast<sup>2</sup>, A.A.M. Masclee<sup>1</sup>, F.J. Troost<sup>2</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, Maastricht University Medical Center, Maastricht, The Netherlands. <sup>2</sup>School of Engineering, Maastricht University, Campus Venlo, Venlo, The Netherlands.*

**Effect of elemental nutrition added to four-food elimination in adult eosinophilic esophagitis patients: preliminary analysis of a randomized controlled trial**

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**Psychological well-being and distress among adult eoe patients**

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**Pathophysiology of the inability to belch syndrome: observations made with prolonged esophageal pressure and impedance monitoring**

*R.A.B. Oude Nijhuis<sup>1</sup>, J.A. Snelleman<sup>2</sup>, B.F. Kessing<sup>3</sup>, J.M. Oors<sup>3</sup>, D.A. Heuveling<sup>2</sup>, L. ten Cate<sup>3</sup>, J.M. Schuitemaker<sup>1</sup>, A.J.P.M. Smout<sup>1</sup>, A.J. Bredenoord<sup>1</sup>. <sup>1</sup>Dept. of Gastroenterology and Hepatology, Amsterdam UMC, loc. AMC, Amsterdam, The Netherlands. <sup>2</sup>Dept. of Otorhinolaryngology and Head and Neck Surgery, Meander Medisch Centrum, Amersfoort, The Netherlands. <sup>3</sup>Dept. of Gastroenterology and Hepatology, Amsterdam UMC, Amsterdam, The Netherlands.*

**Towards a visceral hypersensitivity-associated microbiome signature: analysis of a clinical cohort indicates, independent of intervention, baseline differences and compositional shifts related to visceral sensitivity changes**

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**Assessment of small bowel motility in chronic intestinal pseudo-obstruction using caloric stimulation and cine-mri**

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## **Overall Health, Daily Functioning, and Quality of Life in Acute Hepatic Porphyrria Patients: ENVISION, a Phase 3 Global, Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial**

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