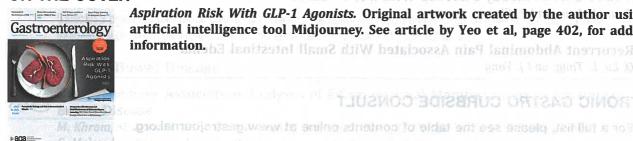
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Ferroptosis: Biology and Role in Gastrointestinal Disease *I.-J. Escuder-Rodríguez, D. Liang, X. Jiang, and F. A. Sinicrope*

ORIGINAL RESEARCH

TEVO DOVE

Full Reports

Celiac Disease

Gluten-Free Diet Induces Rapid Changes in Phenotype and Survival Properties of Gluten-Specific T Cells in Celiac Disease
L. F. Risnes, H. M. Reims, R. M. Doyle, S.-W. Qiao, L. M. Sollid, K. E. A. Lundin, and A. Christophersen

In celiac disease patients initiating a gluten-free diet, gluten-specific CD4⁺ T cells transiently increase and change their distinct phenotype within days. The levels of disease-specific IgA antibodies decrease significantly within 4 weeks.

MENTORING, EDUCATION, AND TRAINING CORNER

GI Cancer

TGF-β1-Induced SOX18 Elevation Promotes Hepatocellular Carcinoma Progression and

Metastasis Through Transcriptionally Upregulating PD-L1 and CXCL12

J. Chen, W. Feng, M. Sun, W. Huang, G. Wang, X. Chen, Y. Yin, X. Chen, B. Zhang, Y. Nie, D. Fan, K. Wu, and L. Xia

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DE AVERIGE Manover, PA 17331, USA 2024 US subscription rates, individual, \$840.00; crudent and resident, \$323.00; individual, \$31026.00; crudent and resident, \$550,00; surface delivery no additional charge; alt mail delivery, add \$71

We elucidated that SOX18 mediated by the TGF- β 1-p-Smad2/3 axis shaped the immunosuppressive microenvironment. CXCR4 inhibitor AMD3100 or TGF β R1 inhibitor Vactosertib may boost anti-PD-L1 efficacy and represent a novel combinational strategy.

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281 Targeting ESE3/EHF With Nifurtimox Inhibits CXCR2⁺ Neutrophil Infiltration and Overcomes Pancreatic Cancer Resistance to Chemotherapy and Immunotherapy

Y. Xie, T. Zhou, X. Li, K. Zhao, W. Bai, X. Hou, Z. Liu, B. Ni, Z. Zhang, J. Yan, Y. Wang, W. Jiang, H. Wang, A. Chang, S. Gao, T. Zhao, S. Yang, C. Huang, J. Liu, and J. Hao had a second at the second at t

The role of EHF in CXCR2+ neutrophils recruitment and the promising role of Nifurtimox in sensitizing pancreatic cancer to chemo- and immunotherapies are highlighted.

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Genetic Deletion of Galectin-3 Inhibits Pancreatic Cancer Progression and Enhances the **Efficacy of Immunotherapy**

D. Yang, X. Sun, R. Moniruzzaman, H. Wang, C. Citu, Z. Zhao, I. I. Wistuba, H. Wang, A. Maitra, and Y. Chen

Galectin-3 promotes pancreatic cancer by impacting the tumor microenvironment and immune landscape. Galectin-3 depletion or inhibition suppresses pancreatic cancer and enhances the efficacy of immunotherapy.

Inflammatory Bowel Disease

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Comprehensive Association Analyses of Extraintestinal Manifestations in Inflammatory Bowel Disease are and Color Erlanguosonolop the cyarge policitele amendo manti trock a citim beginning

M. Khrom, M. Long, S. Dube, L. Robbins, G. J. Botwin, S. Yang, E. Mengesha, D. Li, T. Naito, N. N. Bonthala, C. Ha, G. Melmed, S. Rabizadeh, G. Syal, E. Vasiliauskas, D. Ziring, S. R. Brant, J. Cho, R. H. Duerr, J. Rioux, P. Schumm, M. Silverberg, A. N. Ananthakrishnan, W. A. Faubion, B. Jabri, S. A. Lira, R. D. Newberry, R. S. Sandler, R. J. Xavier, S. Kugathasan, D. Hercules, S. R. Targan, R. B. Sartor, T. Haritunians, and D. P. B. McGovern

See editorial on page 205.

We present the largest multicenter study investigating clinical, serologic, and genetic variables with inflammatory bowel disease extraintestinal manifestations, identifying critical associations that contribute to a more complete understanding of its underlying pathogenesis.

Functional GI Disease



Efficacy and Findings of a Blinded Randomized Reintroduction Phase for the Low FODMAP Diet in Irritable Bowel Syndrome

K. Van den Houte, E. Colomier, K. Routhiaux, Z. Mariën, J. Schol, J. Van den Bergh, J. Vanderstappen, N. Pauwels, A. Joos, J. Arts, P. Caenepeel, F. De Clerck, C. Matthys, A. Meulemans, M. Jones, T. Vanuytsel, F. Carbone, and J. Tack

We studied the impact of a blinded reintroduction using fermentable oligo-, di-, monosaccharides and polyols (FODMAP) powders to identify triggering FODMAPs. It allows the most objective identification of individual triggers and could optimize clinical practice.

Hepatobiliary



Apoptotic Vesicular Metabolism Contributes to Organelle Assembly and Safeguards Liver **Homeostasis and Regeneration**

B. Sui, R. Wang, C. Chen, X. Kou, D. Wu, Y. Fu, F. Lei, Y. Wang, Y. Liu, X. Chen, H. Xu, Y. Liu, J. Kang, H. Liu, R. T. K. Kwok, B. Z. Tang, H. Yan, M. Wang, L. Xiang, X. Yan, X. Zhang, L. Ma, S. Shi, and Y. Jin

Apoptotic vesicles assemble with the recipient hepatocyte Golgi apparatus to form an apoptotic vesicle-Golgi complex, which is -indispensable for the maintenance of liver homeostasis and regeneration. H 5-74-3-4-74-74 managed 22, 697 H M

Metabolic Dysfunction-Associated Fibrosis 5 (MAF-5) Score Predicts Liver Fibrosis Risk and Outcome in the General Population With Metabolic Dysfunction

L. A. van Kleef, S. M. Francque, J. E. Prieto-Ortiz, M. J. Sonneveld, C. B. Sanchez-Luque, R. G. Prieto-Ortiz, W. J. Kwanten, L. Vonghia, A. Verrijken, C. De Block, Z. Gadi, H. L. A. Janssen, R. J. de Knegt, and W. P. Brouwer

The metabolic dysfunction—associated fibrosis score was developed to better identify at-risk liver fibrosis among a general population with metabolic dysfunction, and it outperformed currently available noninvasive tests

Prevention and Early Detection

368 Effectiveness and Cost-Effectiveness of Colorectal Cancer Screening With a Blood Test That

Meets the Centers for Medicare & Medicaid Services Coverage Decision

R. van den Puttelaar, P. Nascimento de Lima, A. B. Knudsen, C. M. Rutter, K. M. Kuntz, L. de Jonge, F. A. Escudero, D. Lieberman, A. G. Zauber, A. I. Hahn, J. M. Inadomi, and I. Lansdorp-Vogelaar

See editorial on page 208. Associated With Small Injustinal Edebia

Current test performance characteristics of blood-based colorectal cancer screening tests are insufficient to justify their high costs compared with less expensive and more effective alternatives such as fecal immunochemical testing, triennial stool DNA testing combined with a fecal immunochemical testing assay, and colonoscopy.

378 Comparative Effectiveness and Cost-Effectiveness of Colorectal Cancer Screening With BloodBased Biomarkers (Liquid Biopsy) vs Fecal Tests or Colonoscopy

U. Ladabaum, A. Mannalithara, Y. Weng, R. E. Schoen, J. A. Dominitz, M. Desai, and D. Lieberman

See editorial on page 208.

Blood tests to screen for colorectal cancer could be effective in people who decline stool tests or colonoscopy, but they should not substitute for established methods unless they achieve high detection rates for colorectal cancer and its precursors.

Artificial Intelligence

Autonomous Artificial Intelligence vs Artificial Intelligence-Assisted Human Optical

Diagnosis of Colorectal Polyps: A Randomized Controlled Trial

R. Djinbachian, C. Haumesser, M. Taghiakbari, H. Pohl, A. Barkun, S. Sidani, J. Liu Chen Kiow, B. Panzini, S. Bouchard, E. Deslandres, A. Alj, and D. von Renteln

See editorial on page 210.

In this study, autonomous artificial intelligence performed with high accuracy in diagnosing small (1–5-mm) colorectal polyps during colonoscopies and allowed follow-ups to be scheduled more correctly than when humans decided the final diagnosis.

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