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ON THE COVER

See Kaminski et al on page 98. Based on an original design by Natalia Kurowska, submitted by the authors.

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Full Reports

Clinical—Alimentary Tract

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Individuals examined by endoscopists who reached or maintained their highest adenoma detection rate quintile (>24.6%) had significantly lower risk of interval colorectal cancer and death.

106 **Increased Risk of Colorectal Cancer in Patients With Multiple Serrated Polyps and Their First-Degree Relatives**

C. Egoavil, M. Juárez, C. Guarinos, M. Rodríguez-Soler, E. Hernández-Illán, C. Alenda, A. Payá, A. Castillejo, A. Serradesanferm, L. Bujanda, F. Fernández-Bañares, J. Cubiella, L. de-Castro, A. Guerra, E. Aguirre, A. Herreros-de-Tejada, X. Bessa, M. Herráiz, J.-C. Marín-Gabriel, J. Balmaña, V. Piñol, F. Rodríguez Moranta, D. Nicolás-Pérez, M. Cuatrecasas, F. Balaguer, A. Castells, J.-L. Soto, P. Zapater, and R. Jover

Patients with multiple serrated polyps who do not meet the criteria for serrated polyposis, and their first-degree relatives, show a similar high risk of colorectal cancer as that found in patients diagnosed with serrated polyposis.

Clinical—Liver

113 **Efficacy of 8 Weeks of Sofosbuvir, Velpatasvir, and Voxilaprevir in Patients With Chronic HCV Infection: 2 Phase 3 Randomized Trials**

I. M. Jacobson, E. Lawitz, E. J. Gane, B. E. Willems, P. J. Ruane, R. G. Nahass, S. M. Borgia, S. D. Shafran, K. A. Workowski, B. Pearlman, R. H. Hyland, L. M. Stamm, E. Svarovskaia, H. Dvory-Sobol, Y. Zhu, G. M. Subramanian, D. M. Brainard, J. G. McHutchison, N. Bräu, T. Berg, K. Agarwal, B. R. Bhandari, M. Davis, J. J. Feld, G. J. Dore, C. A. M. Stedman, A. J. Thompson, T. Asselah, S. K. Roberts, and G. R. Foster

In patients with HCV, 8 weeks of sofosbuvir-velpatasvir-voxilaprevir was not quite as effective as 12 weeks of sofosbuvir-velpatasvir overall due to lower cure rates in those with HCV genotype 1a.

Basic and Translational—Alimentary Tract

123 **Activation of Epithelial Signal Transducer and Activator of Transcription 1 by Interleukin 28 Controls Mucosal Healing in Mice With Colitis and Is Increased in Mucosa of Patients With Inflammatory Bowel Disease**

M. T. Chiriac, B. Buchen, A. Wandersee, G. Hundorfean, C. Günther, Y. Bourjau, S. E. Doyle, B. Frey, A. B. Ekici, C. Büttner, B. Weigmann, R. Atreya, S. Wirtz, C. Becker, J. Siebler, and M. F. Neurath

This study found that the cytokine IL28/IFN lambda promotes mucosal healing in the gut; targeting IL28 signaling might be a new therapeutic target in inflammatory bowel disease.

139 **Correction of Hirschsprung-Associated Mutations in Human Induced Pluripotent Stem Cells Via Clustered Regularly Interspaced Short Palindromic Repeats/Cas9, Restores Neural Crest Cell Function**

F. P.-L. Lai, S.-T. Lau, J. K.-L. Wong, H. Gui, R. X. Wang, T. Zhou, W. H. Lai, H.-F. Tse, P. K.-H. Tam, M.-M. Garcia-Barcelo, and E. S.-W. Ngan

Researchers established an experimental strategy combining patient-specific iPSCs, the CRISPR/Cas9 system and whole-exome sequencing data, and identified a novel mutation in *VCL* functionally contributing to short segment- Hirschsprung disease.

154 **Activation of Wnt Signaling Increases Numbers of Enteric Neurons Derived From Neonatal Mouse and Human Progenitor Cells**

Y. Zhang, K. Seid, F. Obermayr, L. Just, and P. H. Neckel

Canonical Wnt signaling enhances proliferation and neurogenesis in murine and human neural progenitor cells from the postnatal ENS.

166 **Genetic Alterations in Esophageal Tissues From Squamous Dysplasia to Carcinoma**

X. Liu, M. Zhang, S. Ying, C. Zhang, R. Lin, J. Zheng, G. Zhang, D. Tian, Y. Guo, C. Du, Y. Chen, S. Chen, X. Su, J. Ji, W. Deng, X. Li, S. Qiu, R. Yan, Z. Xu, Y. Wang, Y. Guo, J. Cui, S. Zhuang, H. Yu, Q. Zheng, M. Marom, S. Sheng, G. Zhang, S. Hu, R. Li, and M. Su

Intraepithelial neoplasia and esophageal squamous cell carcinoma were found to have similar genetic variant spectrum, and DNA damage was an important mutation pattern of the carcinogenic process.

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