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Tae lk Chang, Hyunsun Lim, Cheol Ho Park, Connie M. Rhee, Kamyar Kalantar-Zadeh, Ea Wha Kang, Shin-Wook Kang, and Seung Hyeok Han

In this large nationwide cohort, lower income levels were associated with higher risk for incident chronic kidney

243 Patient Notification Events Due to Syringe Reuse and Mishandling of Injectable Medications by Health Care Personnel-United States, 2012-2018: Summary and Recommended Actions for Prevention and Response

Melissa K. Schaefer, Kiran M. Perkins, and Joseph F. Perz

Since 2001, reuse of syringes and other unsafe injection practices by health care personnel in the United States has resulted in the notification of nearly 200,000 patients.

Development of Global Reference Standards for Directly Measured Cardiorespiratory Fitness: 255 A Report From the Fitness Registry and Importance of Exercise National Database (FRIEND) James E. Peterman, Ross Arena, Jonathan Myers, Susan Marzolini, Robert Ross, Carl J. Lavie, Ulrik Wisløff, Dorthe Stensvold, and Leonard A. Kaminsky 🚱 🛟 Establishing global normative reference values from directly measured cardiorespiratory fitness will improve the ability

of researchers and clinicians to identify and stratify cardiorespiratory fitness risk categories.

- 265 Comparative Effectiveness of Sodium-Glucose Cotransporter-2 Inhibitors Versus Other Classes of Glucose-Lowering Medications on Renal Outcome in Type 2 Diabetes Masato Takeuchi, Masahito Ogura, Takaaki Minoura, Nobuya Inagaki, and Koji Kawakami 🚳 🚯 In a matched cohort of type 2 diabetes patients, SGLT2i use was associated with preserved renal function relative to other classes of glucose-lowering medications use over 2 to 4 years.
- 274 Early-Onset Noncommunicable Disease and Multimorbidity Among Adults With Pediatric-Onset Disabilities

Daniel G. Whitney, Rachael T. Whitney, Neil S. Kamdar, Edward A. Hurvitz, and Mark D. Peterson Young adults with pediatric-onset disabilities have an early onset of several noncommunicable diseases that represent major contributors to the global and national burden of disease and mortality.

283 Ultraviolet Radiation Exposure and the Risk of Herpes Zoster in Three Prospective Cohort Studies

Kosuke Kawai, Trang VoPham, Aaron Drucker, Sharon G. Curhan, and Gary C. Curhan Ambient ultraviolet radiation was associated with a higher risk of herpes zoster in men but not in women.

293 Alcohol Consumption and Progression of Chronic Kidney Disease: Results From the Korean Cohort Study for Outcome in Patients with Chronic Kidney Disease

Young Su Joo, Heebyung Koh, Ki Heon Nam, Sangmi Lee, Joohwan Kim, Changhyun Lee, Hae-Ryong Yun, Jung Tak Park, Ea Wha Kang, Tae Ik Chang, Tae-Hyun Yoo, Kook-Hwan Oh, Dong Wan Chae, Kyu-Beck Lee, Soo Wan Kim, Joongyub Lee, Shin-Wook Kang, Kyu Hun Choi, Curie Ahn, and Seung Hyeok Han

This large cohort study showed that heavy alcohol consumption, particularly binge drinking, was associated with a significantly higher risk of chronic kidney disease progression.













306 Integration of Comprehensive Genomic Analysis and Functional Screening of Affected Molecular Pathways to Inform Cancer Therapy

George Vasmatzis, Minetta C. Liu, Sowjanya Reganti, Ryan W. Feathers, James Smadbeck, Sarah H. Johnson, Janet L. Schaefer Klein, Faye R. Harris, Lin Yang, Farhad Kosari, Stephen J. Murphy, Mitesh J. Borad, E. Aubrey Thompson, John C. Cheville, and Panos Z. Anastasiadis

Unlike available clinical tests, an integrated genomic approach can provide a comprehensive picture of the genomic landscape of each tumor and identify actionable somatic alterations.

319 Stress Testing in the Evaluation of Stable Chest Pain in a Community Population

Raymond J. Gibbons, Damita Carryer, David Hodge, Todd D. Miller, Véronique L. Roger, and J. Wells Askew
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Juvenile Hyaline Fibromatosis

Andrew L. Folpe, Michael Schoen, and Steve Kang

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Concise Review-CME Credit Offered

Figure 17. Evaluation and Treatment of Overactive Bladder in Women

Rubin Raju and Brian J. Linder

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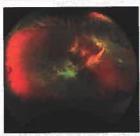
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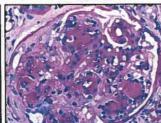
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For 2020, the theme chosen for the cover image is diabetes mellitus. This composite cover image shows on moving from left to right: an ultrawide field fundus photograph depicting severe proliferative diabetic retinopathy with tractional retinal detachment and vitreous hemorrhage (courtesy Dr Raymond lezzi); periodic acid-Schiff (PAS) stained histologic image of diabetic nephropathy demonstrating diffuse and nodular diabetic glomerulosclerosi (courtesy Dr Sanieev Sethi); loop glucose:insulin control system (the artificial pancreas) for the treatment of type diabetes (courtesy Dr Yogish Kudva and Ms Shelly McCrady-Spitzer); and a pictorial representation of kidney and pancreas transplantation for type I diabetes (courtesy Dr Yogish Kudva, Dr Ravinder Kaur, and Ms Joanna King).

