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JOURNAL CLUB

Selected articles made freely available, including helpful slides and key points for discussion in your Journal Club. The article link below provides free access to both the article and Journal Club content.

- Mass Spectrometry-Based Adrenal and Peripheral Venous Steroid Profiling for Subtyping Primary Aldosteronism** Graeme Eisenhofer, Tanja Dekkers, Mirko Peitzsch, Anna S. Dietz, Martin Bidlingmaier, Marcus Treitl, Tracy A. Williams, Stefan R. Bornstein, Matthias Haase, L.C. Rump, Holger S. Willenberg, Felix Beuschlein, Jaap Deinum, Jacques W.M. Lenders, and Martin Reincke
<http://www.clinchem.org/content/62/3/514.full>

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 Jason Park
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- Chromosomal Abnormalities in the Development of Malignancies
 Elena A. Repnikova
 10.15428/CCTC.2014.221051

- Preanalytical Issues Specific to Coagulation Testing
 Giuseppe Lippi
 10.15428/CCTC.2013.217232

- HIV serology testing
 Yi-Wei Tang & Hui Chen
 10.15428/CCTC.2013.211573

- Overview of Triplet Repeat Disorders
 Zhiyv Niu
 10.15428/CCTC.2013.217018

- Detection of Activated Platelets
 János Kappelmayer
 10.15428/CCTC.2013.218735

- Performance Statistics
 Lakshmi Kuchipudi-Yerneni
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- Prader-Willi and Angelman Syndromes
 Christina Lockwood
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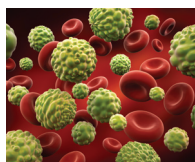
- Blood Gases
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- Molecular Diagnosis of Monogenic Diabetes
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ON THE COVER Cancer Cells. This image depicts circulating tumor cells (CTCs) in peripheral blood. CTCs, which originate in primary tumors, recurrences, or metastases, are biomarkers for noninvasively measuring the evolution of tumor genotypes during treatment and disease progression. CTCs are important because the majority of deaths from cancer are linked to the development of disseminated metastases. Published studies have shown that CTCs can be isolated in patients at relatively early stages of tumor growth. Most current methods are based on epithelial cell adhesion molecule (EpCAM) detection, but numerous studies have demonstrated that EpCAM is not a universal marker for CTC detection. Are there alternatives to EpCAM? Yes. This issue of *Clinical Chemistry* contains a review article that describes the most recent EpCAM-independent methods for enriching, isolating, and characterizing CTCs, on the basis of physical and biological characteristics, and points out their main advantages and disadvantages. (See page 571.) ©Getty Images. Contributor: adventtr. Reproduced with permission.

ment and disease progression. CTCs are important because the majority of deaths from cancer are linked to the development of disseminated metastases. Published studies have shown that CTCs can be isolated in patients at relatively early stages of tumor growth. Most current methods are based on epithelial cell adhesion molecule (EpCAM) detection, but numerous studies have demonstrated that EpCAM is not a universal marker for CTC detection. Are there alternatives to EpCAM? Yes. This issue of *Clinical Chemistry* contains a review article that describes the most recent EpCAM-independent methods for enriching, isolating, and characterizing CTCs, on the basis of physical and biological characteristics, and points out their main advantages and disadvantages. (See page 571.) ©Getty Images. Contributor: adventtr. Reproduced with permission.



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