

[Poisoning, overdose: Better technology, workflow improve patient odds](#)

written by CAP TODAY
July 20, 2016

July 2016—As pronouncements by fictional detectives go, one of the most famous is Sherlock Holmes' declaration to Dr. Watson: "When you have excluded the impossible, whatever remains, however improbable, must be the truth." Unfortunately, Holmes' advice is no practical rule of thumb for solving the real-world mysteries of patient poisoning or overdose, because the possibilities are often so vast.



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[In praise of the path less traveled: public health labs](#)

written by CAP TODAY
July 20, 2016

July 2016—For those who crave variety in their work and have a penchant for the unusual, Paul Bachner, MD, has a career message: Don't overlook public health. As medical director of the Division of Laboratory Services for Kentucky's public health department from 2013 to July 2015, Dr. Bachner expected the unexpected, whether it was an outbreak of food contamination, a suspected case of Ebola, or a newborn with a life-threatening metabolic disorder.



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Clinical Pathology Abstracts, 7/16

written by CAP TODAY
July 20, 2016

July 2016—Utilization management to reduce unnecessary lab testing at a VA hospital: It is estimated that laboratory and pathology testing account for four percent of annual health care costs. A laboratory utilization management system, or laboratory expert system (LES), can be employed to reduce such costs. A variety of functionality, including passive and active alerts, in the computerized physician order entry (CPOE) system provide decision-making support for physicians ordering tests.



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Anatomic Pathology Abstracts, 7/16

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July 2016—Evaluating perineural invasion as a prognostic factor in colorectal cancer; A morphological analysis of unusual features in apoplectic leiomyomas; Diagnosis of frozen section to guide resection strategy for lung adenocarcinoma; A finding of ovarian carcinoma histotype based on limited sampling



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[Molecular Pathology Selected Abstracts, 7/16](#)

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July 2016—Using single nucleotide polymorphism arrays in acute lymphoblastic leukemia: In patients with acute lymphoblastic leukemia/lymphoma, the identification of chromosomal abnormalities at the time of diagnosis is important for risk classification. The current standard of care includes karyotype and FISH analysis to identify recurrent cytogenetic abnormalities.



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[Newsbytes, 7/16](#)

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July 2016—How to minimize cybersecurity risks from business associates: Like parents, through the decades, telling their teenagers, “It isn’t all about you,” cybersecurity firms are sending health care organizations a similar message: It isn’t all about you—it’s about your business associates too.



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[Q&A column, 7/16](#)

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July 2016—What are the steps to validating maximum dilution for certain analytes when the stated manufacturer dilution is not enough? What is considered best practice for verifying platelet-poor plasma for coagulation? Is it necessary to measure platelet counts from 2.7 mL and 1.8 mL tubes? Is annual verification consistent with best practice?



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[Put It on the Board, 7/16](#)

written by CAP TODAY
July 20, 2016

July 2016—Michel: The good, bad, and ugly that labs need to know: Robert Michel's opening remarks at the Executive War College, which can be seen as a kind of state of the union address for laboratory medicine, focused on the trends in the industry and the opportunities and dangers they create. "Fraud and abuse. That's the ugly," Michel began. "Folks who are doing lab medicine the right way aren't really aware of what's been happening outside the walls of their laboratories."



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[FISH system, 7/16](#)

written by CAP TODAY
July 20, 2016

July 2016—SciGene introduced its MicroFISH Assay System, a clinically validated method combining microvolume, multiwell slides with SciGene slide processing instruments to perform routine cellular fluorescence in situ hybridization in cytogenetic laboratories.

[Reverse transcriptase kit for RT-qPCR, 7/16](#)

written by CAP TODAY
July 20, 2016

July 2016—Invitrogen SuperScript IV VILO Master Mix from Thermo Fisher Scientific is a cDNA reaction master mix designed for two-step quantitative PCR (RT-qPCR) applications. The master mix format uses variable input, linear output technology and combines optimized buffer conditions with Invitrogen SuperScript IV reverse transcriptase.