Clinical pathology selected abstracts

written by CAP TODAY
December 18, 2025

December 2025—The American Gastroenterological Association formalized, in 2020, iron-deficiency anemia recommendations for postmenopausal women and for men, which include esophagogastroduodenoscopy and colonoscopy, or bidirectional endoscopy. This guideline only conditionally recommended that bidirectional endoscopy be performed on premenopausal women, who are more likely to have iron-deficiency anemia (IDA) due to menorrhagia. The association also advised revising the World Health Organization's recommended iron-deficiency diagnostic threshold of 15 ng/mL or lower ferritin to 45 ng/mL or lower. The authors used population-representative data from the National Health and Nutrition Examination Survey (NHANES) to assess the role of these recommendations in IDA prevalence estimates and management in the United States.

Anatomic pathology selected abstracts

written by CAP TODAY
December 18, 2025

December 2025—Unusual morphologic patterns of breast carcinoma can raise diagnostic consideration for metastasis or special breast cancer subtypes and, thereby, impact clinical management and treatment. The authors conducted a study in which they described rare invasive breast cancers that mimic serous carcinoma of the gynecologic tract (serous-like breast carcinomas, SLBC) and characterized their clinicopathologic, immunophenotypic, and genetic features. The patients evaluated in the study were female (n = 15; median age, 49 years) and did not have a history of gynecologic malignancy. SLBC were characterized histologically by angulated, branched, sometimes anastomosing glands with micropapillary or pseudopapillary luminal projections in desmoplastic stroma. Most SLBC were triple negative (n = 10) or HER2 positive (n = 2) and grade 2 or 3, while some were estrogen receptor low positive/HER2 negative and low grade (n = 3). CK5/6 was positive irrespective of grade or receptor status (10 of 10).

Molecular pathology selected abstracts

written by CAP TODAY
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Two studies explore the evolution of Mycobacterium tuberculosis and the significance of GATA1 mutations in children with Down syndrome. The first study reveals diversity in virulence gene expression across Mtb clinical isolates, with variants in the regulator whiB6 linked to decreased expression of virulence factors and increased transmission of drug-resistant strains. The second study investigates the clinical significance of GATA1 mutations in neonates with Down syndrome, finding that the presence of GATA1s mutations at birth is a strong predictor of myeloid leukemia associated with Down syndrome (ML-DS).

Newsbytes

written by CAP TODAY
December 18, 2025

December 2025—Mayo Clinic recently introduced Mayo Clinic Platform_Insights, an offering designed to advance the adoption of artificial intelligence by giving health care organizations around the world access to Mayo Clinic's digital expertise, data-driven insights, and clinical knowledge. "When organizations partner with us, they gain access to proven clinical and administrative solutions and the technical framework to integrate them seamlessly," according to a press statement from Maneesh Goyal, chief operating officer for Mayo Clinic Platform, an initiative that brings together health systems, innovators, and researchers to support responsible AI development worldwide.

Q&A column

written by CAP TODAY
December 18, 2025

December 2025
Q. Now that the CMS allows direct observation for competency assessment to be performed virtually, does the CAP also allow it? If so, can you provide guidance? Read answer.

Q. We have implemented quality control at 10_x in accordance with the Westgard rules. I use three levels of QC. If the results of two levels of QC are moving properly above and below the mean and only one level is showing a trend of a 10_x rule violation, what corrective action should I take? Read answer.

Put It on the Board

written by CAP TODAY
December 18, 2025

December 2025—A new Clinical and Laboratory Standards Institute document on external laboratory transport is expected to be released early next year. “It’s the first comprehensive framework for evaluating external specimen transport systems,” says Joe Wiencek, PhD, D(ABCC), document development chair and medical director and associate professor of pathology, microbiology, and immunology at Vanderbilt University Medical Center.

Thermo Fisher Scientific launches microarray solution

written by CAP TODAY
December 18, 2025

Dec. 17, 2025—Thermo Fisher Scientific has introduced the Applied Biosystems SwiftArrayStudio microarray analyzer, designed for fast and scalable sample analysis.

Gold Standard Dx launches AIX1000 2.1

written by CAP TODAY
December 18, 2025

December 2025—Gold Standard Diagnostics has released version 2.1 of its flagship AIX1000 RPR automation platform. This release introduces extra high titer capability, supporting screens and titers up to 1:2048. The expanded titer range aims to empower laboratories to more accurately track antibody levels over time, improving clinical decision-making and supporting public health initiatives focused on syphilis control and eradication. The test system meets the 2024 CDC Laboratory Recommendations for Syphilis Testing.

Bio-Rad launches enhanced Liquichek opiate control

written by CAP TODAY
December 18, 2025

December 2025—Bio-Rad Laboratories has launched an enhanced version of its Liquichek opiate control. This version includes updated fentanyl target levels optimized for clinically relevant cutoffs across major chemistry platforms. It contains eight opioid drugs or drug metabolites at concentrations above and below assay cutoffs as recommended by the U.S. Substance Abuse and Mental Health Services Administration, other agencies, and reagent manufacturers.

OGT launches SureSeq Myeloid MRD Plus NGS panel

written by CAP TODAY
December 18, 2025

December 2025—OGT launched the SureSeq Myeloid MRD Plus NGS panel, to detect ultra-low frequency variants in key measurable residual disease–associated biomarkers in acute myeloid leukemia. The panel targets 16 biomarkers associated with AML, including *NPM1* and large *FLT3* internal tandem duplications, and detects variants at allele frequencies as low as 0.01 percent.