Anatomic pathology selected abstracts

written by CAP TODAY
November 18, 2022

November 2022—Appendiceal mucinous neoplasms show a range of morphologic features and biological risk. At one end of the spectrum, high-grade adenocarcinomas are cytologically malignant and exhibit infiltrative invasion, lymph node metastases, and behavior similar to that of extra-appendiceal mucinous adenocarcinomas.

Molecular pathology selected abstracts

written by CAP TODAY
November 18, 2022

November 2022—Spontaneous coronary artery dissection is an uncommon cause of acute heart attack. It is not associated with high cholesterol or atherosclerosis but, instead, occurs when a small tear or separation in the wall of the coronary artery leads to blood entering a false lumen, occluding blood flow and impairing oxygenation of the heart muscle.

Pathology informatics selected abstracts

written by CAP TODAY
November 18, 2022

November 2022—Lab test result formats are not standardized, potentially causing confusion when the same test results are displayed differently—for example, when a positive pregnancy test appears as +, P, or positive, or an indeterminate test result appears as DNR, which could be interpreted to mean did not report, did not react, or even do not resuscitate. Because of this issue, the authors trialed standard laboratory result formats across the 130 facilities that are part of the Veterans Health Administration, each of which has one or more CLIA-certified laboratories. The authors selected the most common laboratory tests from each facility, which composed at least 95 percent of a facility's monthly laboratory test volume between 2000 and 2015. They then specified the standard result formats for these tests based on the facilities' feedback. Personalized emails were sent weekly, over a 15-week period in 2016, to the facilities' lab information systems managers, lab managers, and laboratory directors.

Q&A column

written by CAP TODAY
November 18, 2022

November 2022
Q. Is secretory change in endometrial hyperplasia acceptable in the absence of progestin therapy? What is the appropriate way to address an endometrial biopsy with secretory glandular changes and an increase in the gland-to-stroma ratio? Read answer.

Q. I want to inquire about verification of target mean/ranges for hematology analytes. We run a control material 20 times and calculate statistics such as mean, standard deviation, and coefficient of variation. We also calculate total analytical error based on a formula (TAE = bias + 2 SD) and compare the TAE with the allowable total error recommended by CLSI and other sources. For example, if TAE for platelets (based on reading control material 20 times) is less than 25 percent (a CLSI recommended value), we accept the target range; otherwise, we reject it. However, since low concentrations of analytes are prone to a higher degree of variation, the aforementioned target range verification process frequently fails.

Is it necessary to accept or reject established target values based on total analytical error? Or is there an alternative way to do that? Read answer.

Q. Should an accelerated APTT result be canceled for being clotted, even in the absence of a visible clot? Read answer.

Newsbytes

written by CAP TODAY
November 18, 2022

November 2022—Bias—a type of prejudice that may go back to the beginning of humankind—has, in recent years, been the focus of attention with regard to developing machine-learning algorithms for clinical laboratory testing.

Put It on the Board

written by CAP TODAY
November 18, 2022

November 2022—Volatile, uncertain, complex, ambiguous. Stan Schofield, president of NorDx and senior VP at MaineHealth, told Compass Group members at their September meeting in Albuquerque that those words describe the state of play for labs today.

FDA approves Ventana CDx to ID patients eligible for Elahere

written by CAP TODAY
November 18, 2022

Nov. 17, 2022—Roche announced FDA approval of the Ventana FOLR1 (FOLR1-2.1) RxDx assay, the first immunohistochemistry companion diagnostic test to aid in identifying epithelial ovarian cancer patients who are eligible for targeted treatment with Elahere (mirvetuximab soravtansine-gynx).

FDA OKs PerkinElmer Eonis kit for SMA screening in newborns

written by CAP TODAY
November 18, 2022

Nov. 16, 2022—PerkinElmer announced that the FDA has authorized the marketing of its Eonis SCID-SMA assay kit for in vitro diagnostic use by certified laboratories for the detection of spinal muscular atrophy and severe combined immunodeficiency in newborns.

Roche launches antibody to identify PRAME protein expression

written by CAP TODAY
November 18, 2022

Nov. 15, 2022—Roche has launched its Anti-PRAME (EPR20330) Rabbit Monoclonal Primary Antibody to identify PRAME protein expression in tissue samples from patients who are suspected of having melanoma.

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FDA clears NanoZoomer S360MD slide scanner system

written by CAP TODAY
November 18, 2022

November 2022—Hamamatsu Photonics announced that the FDA granted 510(k) clearance to market the NanoZoomer S360MD high-throughput, automated slide scanner system for primary diagnostic use. It is intended to aid pathologists in reviewing and interpreting digital images of surgical pathology slides prepared from formalin-fixed, paraffin-embedded tissue.