

THIS WEEK in the JOURNAL

ORIGINAL ARTICLE

Trastuzumab after Chemotherapy in HER2-Positive Breast Cancer

After surgical excision of early HER2-positive breast cancer and adjuvant chemotherapy, the administration of trastuzumab, a monoclonal antibody against HER2, was associated with longer disease-free survival than was observation.

SEE P. 1659; PERSPECTIVE, P. 1652; EDITORIAL, P. 1734; CME, P. 1758

ORIGINAL ARTICLE

Trastuzumab plus Adjuvant Chemotherapy for Operable HER2-Positive Breast Cancer

A combined analysis of two large studies found that the addition of trastuzumab to chemotherapy with doxorubicin and cyclophosphamide plus paclitaxel improved the outcome among women with operable HER2-positive breast cancer.

SEE P. 1673; PERSPECTIVE, P. 1652; EDITORIAL, P. 1734

ORIGINAL ARTICLE

Incidence and Outcomes of Acute Lung Injury

Acute lung injury is a syndrome of hypoxemic respiratory failure and bilateral pulmonary infiltrates. In this prospective, population-based study, the incidence of acute lung injury was 79 cases per 100,000 person-years. The authors estimate that each year there are 190,000 cases of acute lung injury in the United States, resulting in 75,000 deaths, which suggests a much larger public health impact than previously reported.

SEE P. 1685; EDITORIAL, P. 1736

BRIEF REPORT

Apraxia of Speech Related to Williams–Beuren Locus Duplication

A patient carrying an exact duplication of the chromosomal region that is typically deleted in persons with

the Williams–Beuren syndrome has severe developmental apraxia of speech. This finding suggests that one or more genes that lie in the duplicated region influence human language.

SEE P. 1694; PERSPECTIVE, P. 1655

CLINICAL PRACTICE

Initial Management of HIV Infection

A 25-year-old previously healthy woman is found to have a positive test for human immunodeficiency virus type 1 (HIV-1) antibody as part of a routine examination for insurance coverage. Heterosexual contact is her only risk factor for HIV acquisition. She is asymptomatic and has a normal physical examination. The results of routine hematologic and laboratory tests are normal. Her CD4 cell count is 325 per cubic millimeter and her plasma HIV-1 RNA level is 60,000 copies per milliliter. How should her case be managed?

SEE P. 1702; CME, P. 1757

MECHANISMS OF DISEASE

Antiinflammatory Action of Glucocorticoids

Glucocorticoids are among the most common therapeutic agents used in medical practice, yet their mechanisms of action are only partly understood. This review summarizes our understanding of how glucocorticoids inhibit inflammation and give rise to side effects.

SEE P. 1711; CME, P. 1759

CASE RECORDS OF THE MASSACHUSETTS GENERAL HOSPITAL

An HIV-Positive Woman Who Desired to Become Pregnant

A 34-year-old woman who had had asymptomatic human immunodeficiency virus (HIV) infection for nine years desired to become pregnant. She had stable CD4 T-cell counts without antiretroviral therapy. She had a history of human papillomavirus infection and cervical dysplasia. An obstetrician and a specialist in infectious diseases discuss the management of HIV infection and pregnancy.

SEE P. 1725